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Cordilleran Roundup
Jan. 1991

British Columbia & Yukon Chamber of Mines

1991 "Snapshot" Review Form

WESTPINE METALS LTD.

R. V. KIRKHAM

Property/ProjectAuthorsName: **Taseko Property**

NTS: 920/3W, 4E

Claims: 232

Acreage: 13,200 acres

Commodities: Cu, Au, Ag, Mo

Willis W. OsborneEllen E. Lambert

Agreements Westpine has earned a 51% interest in the property and can earn the remaining 49%, subject to a 2.5% net smelter royalty to \$1.5 million. ASARCO can earn a 60% interest in the property by paying Westpine \$344,000 and financing \$3.65 million of work by January 15, 1994.

History

| Year | Company | Type of Work | Drilling | Cost |
|--------|--|--------------------------------|-----------------------------------|-----------|
| 1964 | Phelps Dodge | Trenching | 5 DDH (144 m) | ? |
| 1969 | Scurry Rainbow Oils Ltd. | Geology/Geophysics & Trenching | 8 DDH (900 m) | ? |
| 1970 | Sumitomo Metals Mining Canada | Geology/Geochem & Geophysics | 38 PDH (3725 m) | ? |
| 1975-6 | Quintana Minerals Corp. | | 39 PDH (1341 m) 9 DDH (1299 m) | ? |
| 1986 | Esso Resources Canada Ltd. | Geology/Geochem & Geophysics | | ? |
| 1988 | Alpine Exploration Corporation & Westley Mines Limited | Geology & Geochem | 7 DDH (458 m) | \$100,000 |
| 1989 | Westpine Metals Ltd. | Geology & Geochem | 16 DDH (1981 m) | \$300,000 |
| 1990 | Westpine Metals Ltd. & ASARCO Expl. Co. | Geology/Geochem & Geophysics | 19 DDH (3503 m) | \$500,000 |

Geology

Regional: The regional geological picture in the vicinity of the Taseko property features an irregular east-west contact between the Coast Plutonic Complex of Jurassic to Cretaceous age to the south and Upper Cretaceous Kingsvale Group volcanic and sedimentary rock to the north. A wedge of Eocene-Oligocene Sheba Group Volcanics occurs to the east.

Local: A large zone of Kingsvale rock within the property and adjacent and north of the granitic intrusion has been intensely altered. Three major mineral showings occur: the Empress Zone within the altered Kingsvale, and the Buzzer and Rowbottom Zones within the Coast Plutonic Complex.

Alteration Minerals: quartz, andalusite, pyrophyllite, plagioclase, clay and chlorite.

Ore Forming Minerals: chalcopyrite, gold, molybdenite, magnetite.

Current Exploration Results 1988-1990

- i) **Geology** Work since 1988 has been concentrated on the Empress area where copper-gold mineralization occurs in intensely altered Kingsvale rock north and adjacent to the granitic intrusive. The contact trends east-west and dips moderately north. Alteration occurs in three, layered zones roughly paralleling the intrusive contact. From the intrusive upwards, these zones are: quartz-magnetite, quartz, and a combination of quartz-pyrophyllite-andalusite and plagioclase-pyrophyllite-andalusite. Copper-gold mineralization has been defined in three zones: the 76, Upper North and Lower North zones. The first two trend ENE, occur mainly in the upper zone of alteration and are probably fault controlled. The Lower North Zone occurs mainly in quartz-magnetite but overlaps into quartz rock and appears to be a contact mineral zone.
- ii) **Geochemistry** Scattered copper soil anomalies extend from Granite Creek (west of the Empress Zone) to the Buzzer Zone 3.7 km east. It appears that glaciation has resulted in some transport of rock and soil in the area. While the anomalous soil indicates the presence of copper-gold, etc., the movement of rock has made the use of geochemistry as a guide for drilling difficult.
- iii) **Geophysics** A correlation between copper-gold and magnetite makes a magnetometer a useful tool for exploration in the Empress area. A ground and air mag survey were completed in 1990. The ground mag results indicate much of the Empress Zone to be anomalous, however, interpretation of data is difficult because of high-grade magnetite occurring as float on the surface and in more than one zone at depth. The air mag survey is currently being interpreted.
- iv) **Sampling** Results from the four best holes on the Lower North Zone are as follows:

| <u>Hole</u> | <u>Interval (feet)</u> | <u>Width (feet)</u> | <u>Copper (%)</u> | <u>Gold (oz/ton)</u> |
|-------------|----------------------------|-------------------------|-------------------|----------------------|
| W90-17 | 472-652 | 180 | 1.41 | 0.054 |
| including | 581-629 | 48 | 2.27 | 0.105 |
| W90-18 | 163-512 | 349 | 0.53 | 0.019 |
| including | 363-494 | 131 | 0.96 | 0.027 |
| W90-21 | 503-718 | 215 | 0.90 | 0.036 |
| including | 509-569 | 60 | 1.78 | 0.061 |
| and | 599-627 | 28 | 1.92 | 0.087 |
| W90-22 | 472-647 | 175 | 1.03 | 0.036 |
| including | 511-599 | 88 | 1.52 | 0.056 |

Reserves

TO BE ANNOUNCED

Costs

| <u>Year</u> | <u>\$</u> | <u>Optioner</u> | <u>Operator</u> |
|-------------|----------------------------|-----------------------|--------------------------------|
| 1988 | 100,000 | Alpine - Westley JV | Alpine Exploration Corporation |
| 1989 | 300,000 | Westpine Metals Ltd.* | " |
| 1990 | 500,000 | Westpine-ASARCO | " |
| 1991 | 550,000- 800,000 (est.) | Westpine-ASARCO | " |

* Alpine Exploration Corporation and Westley Mines Limited vended their collective interests in the Taseko property to Westpine in return for one million shares of Westpine.