GEOLOGICAL REPORT

ON THE

PACIFIC EASTERN GOLD PROPERTY

Bridge River District Lillooet Mining Division British Columbia

FOR

PALMER INDUSTRIES LTD.

BY

N.C. CARTER, PH.D. P.ENG. October 12,1993

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SUMMARY AND RECOMMENDATIONS

Palmer Industries Ltd. proposes to purchase the Pacific Eastern gold property in the Bridge River district of southwestern British Columbia from Urban West Developments Ltd. The proposed purchase price for a 100% interest in the property, which consists of 81 full and fractional Crown granted mineral claims, is \$300,000 payable in equal instalments over a 10 year period.

The Pacific Eastern property is immediately southeast of the formerly producing Bralorne and Pioneer mines and lithologies and structures which host gold mineralization on these two properties extend through the Pacific Eastern ground. A review by the writer of previous work done since the mid-1930's indicates that the property has a demonstrated potential for extending zones of previously identified gold mineralization at depth in the northern claims area.

Investigation of this potential will require either deep diamond drilling from surface and/or dewatering of the existing underground workings followed by underground drilling. Either program would involve significant expenditures and in view of this, the writer is of the opinion that the proposed property transaction is reasonable.

INTRODUCTION

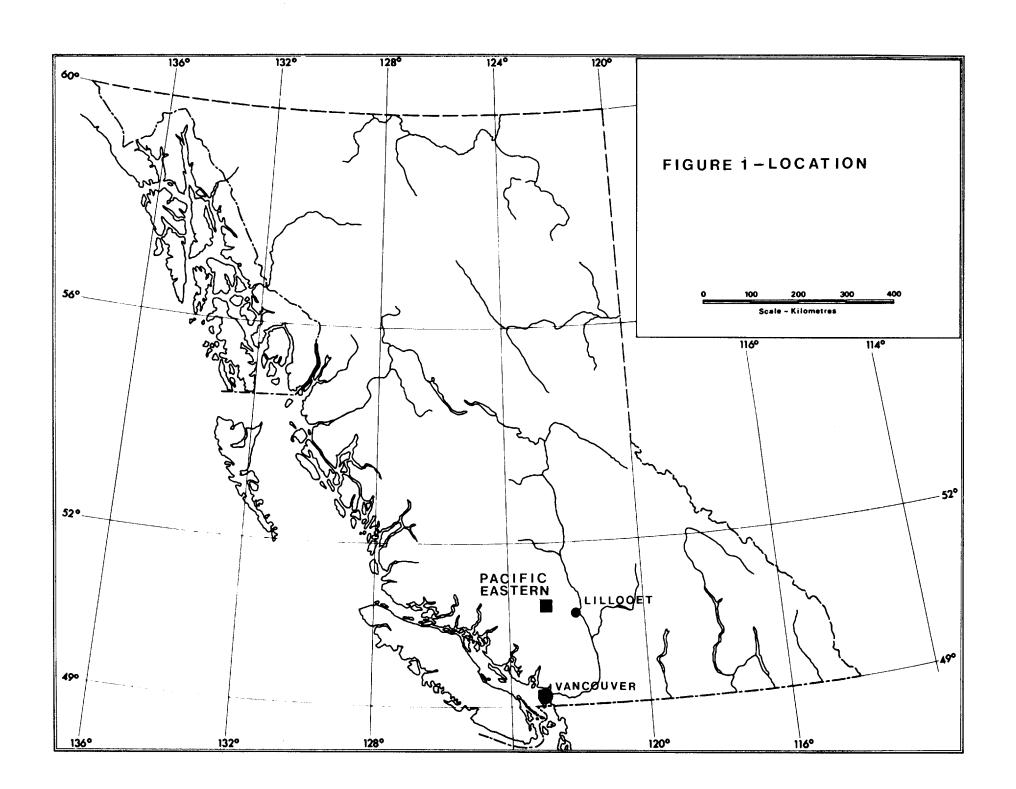
At the request of Sharon Johnson, president of Palmer Industries Ltd., the writer has reviewed data pertaining to results of exploration programs on the Pacific Eastern gold property carried out between the mid-1930's and 1986.

This report is based principally on a 1983 review report with recommendations for further work by W.G. Stevenson, P.Eng. and on reports of 1985 and 1986 exploration programs conducted by Normine Resources Ltd., most particularly a report by G.W. Norman, FGAC, dated December, 1986. Further, the writer prepared several summary reports in 1986 and visited the subject property in September of that year during which time the 1986 exploration program was in progress.

LOCATION AND ACCESS

The Pacific Eastern property, contiguous with and southeast of the formerly producing Bralorne and Pioneer gold mines, is situated in the Bridge River district of southwestern British Columbia (Figure 1).

The property is 160 km north of Vancouver and access to the western part of the claims area is by 120 km of road northwest from Lillooet.



MINERAL PROPERTY

The Pacific Eastern property consists of 54 full and 27 fractional Crown granted mineral claims located in the Lillooet Mining Division. The claims are shown on Figure 2 and a full listing is contained in Appendix "A".

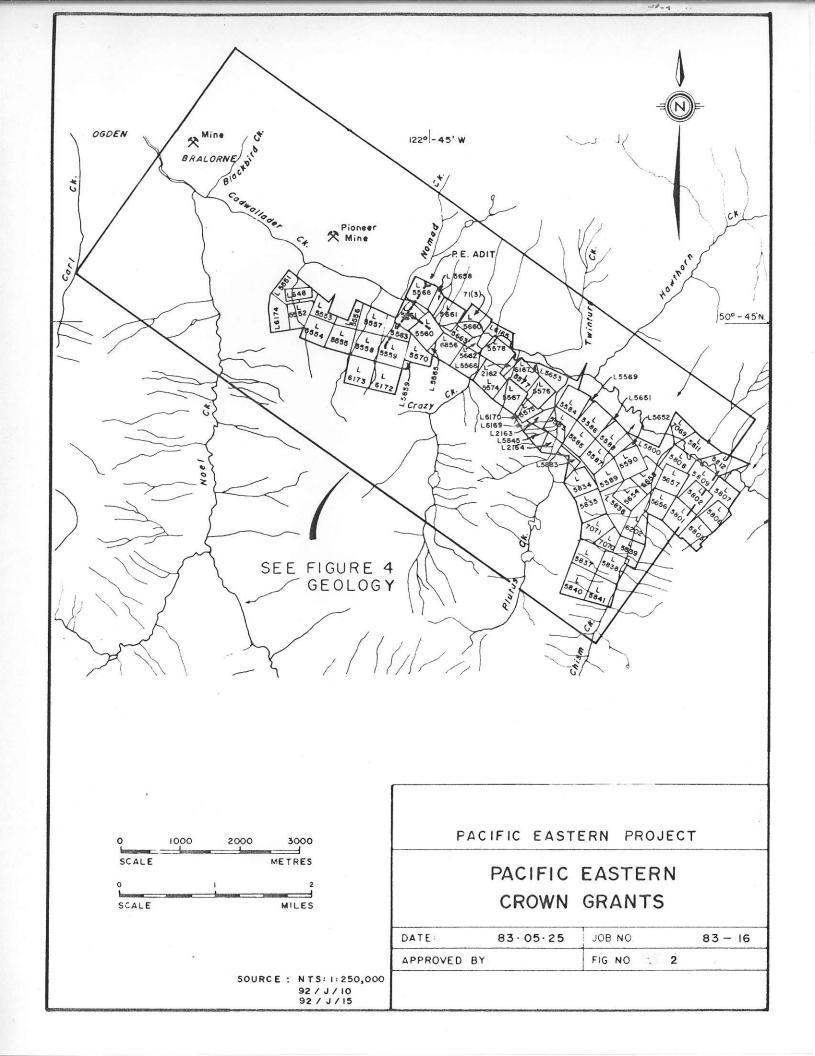
PREVIOUS WORK

Most work to date has been directed to the northern part of the Pacific Eastern property imediately adjacent to the formerly producing Pioneer mine. Some 2800 metres of underground cross-cutting and drifting was undertaken from an adit and an internal shaft between 1936 and 1947. Surface and underground diamond drilling programs were also carried out during this period.

Normine Resources Ltd. acquired an option on the property in 1983, compiled previous exploratory data and completed four deep, inclined diamond drill holes in the northern property area in 1985 and 1986. A soil geochemical survey was also undertaken in 1986.

REGIONAL GEOLOGICAL SETTING

The Bridge River district is the most prolific gold camp in the Canadian Cordillera. Virtually all of the 4.18 million ounces of gold produced between 1900 and 1978 was from the



combined Bralorne-Pioneer operations at an average recovered grade of 0.524 oz/ton.

Gold mineralization in the Bridge River district is associated with 1 - 2 metre wide quartz veins hosted by Mesozoic volcanics and sediments and a variety of intrusive rocks. Triassic and Jurassic greenstones and sediments are tightly folded into two west-northwest trending anticlines which are separated by the Cadwallader Fault of similar trend and dipping steeply southwest. Much of this fault zone is occupied by serpentinized ultramafic rocks.

The Fergusson thrust fault, which also strikes westnorthwest and dips steeply northeast, forms the north
boundary of the prospective Triassic-Jurassic sequences and
juxtaposes Paleozoic sedimentary rocks against the younger
rocks.

Gold-bearing quartz veins on the Bralorne and Pioneer properties are contained within the northern anticline between the two major fault structures (Figure 3). The most productive of these were east-west striking veins oblique to, and dipping away (northerly) from the Cadwallader Fault. Favourable vein host rocks were the more brittle varieties, principally greenstones at Pioneer and diorites of similar age at Bralorne. Most veins have a spatial and probable genetic relationship to "soda" granites and associated felsic

dykes marginal to the Cadwallader Fault.

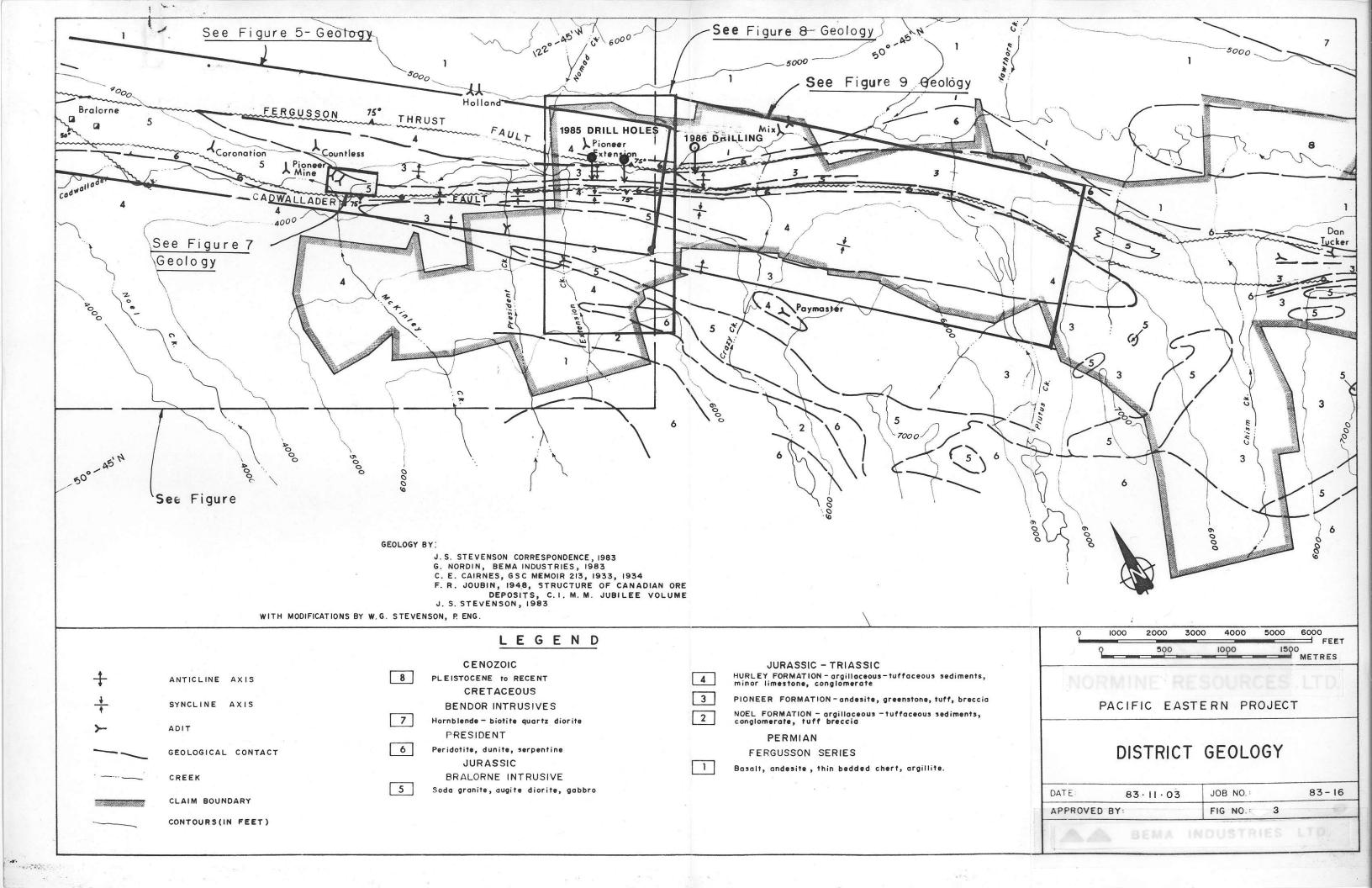
Vein strike lengths are as much as 1000 metres but ore shoots within them are generally less than 250 metres in length. Persistence to depth of the ore shoots is a characteristic of the Bridge River district and mining at Bralorne-Pioneer took place to depths of about 2000 metres.

Mineralized quartz veins contain 1-3% disseminated pyrite and lesser arsenopyrite. Productive veins feature a pronounced banding or ribbon structure parallel to vein walls and finely disseminated gold occurs within these septa.

Extensive hydrothermal alteration envelopes, 10 - 70 metres wide, occur marginal to most veins. Wallrocks within these alteration zones have been converted to a mixture of quartz-chlorite-carbonate-sericite-biotite with pyrite, pyrrhotite and arsenopyrite.

PROPERTY GEOLOGY AND MINERALIZATION

The northern part of the Pacific Eastern property covers the southeastern extension of the same structures and stratigraphic sections that host the Bralorne and Pioneer deposits (Figure 3). These include the northern anticline developed in Pioneer greenstone and bounded on the north and south by the Fergusson thrust fault and the serpentinized Cadwallader fault zone respectively. Diorite and "soda"



granite dykes occur in the south limb of the anticline marginal to the Cadwallader fault zone.

Previous underground work on the Pacific Eastern property succeeded in defining several east-west striking, northerly dipping quartz veins situated about midway between the Fergusson and Cadwallader faults which on the main (520) level are between 80 and 200 metres apart. The vein systems are hosted by Pioneer greenstones immediately north of dykelike masses of "soda" granite and diorite marginal to the Cadwallader fault zone. The veins are reportedly narrow and contain erratic gold values, features similar to veins encountered in the upper workings of Pioneer mine. The Pioneer veins became more continuous and contained correspondingly better gold grades with depth.

One of the more significant vein structures on the Pacific Eastern property, discovered 100 metres east of the main crosscut (Figure 2) and explored by a decline and sublevel drifting, assayed 0.20 oz/ton gold over extended sections and included grades of up to 0.50 oz/ton. This area of the underground workings was tested to depth by two inclined drill holes in 1985, the first of which intersected two 1 to 1.5 metres wide quartz veins 230 metres vertically below the underground workings. Both veins contained disseminated pyrite, pyrrhotite and rare arsenopyrite and

assayed trace to 0.08 oz/ton gold. The two veins are central to an 80 metre wide zone of intense carbonate-biotite alteration developed in Pioneer greenstone. The second completed hole, 250 metres southeast of the first hole, intersected two 3 to 4 metre wide quartz stringer zones containing disseminated sphalerite, chalcopyrite, pyrite and galena and trace gold values.

the Both 1985 drill holes confirmed anticipated geological setting and the widening οf the northern anticlinal structure at depth between the Fergusson and Cadwallader faults. The 1986 drilling program was designed to test the northern anticlinal structure further to the southeast in the area of the easternmost underground workings some 750 metres east of the shaft (Figure 2). 1940's surface drilling in this area intersected two 1 - 1.5 metres wide quartz veins 50 metres vertically below the underground workings. Although free gold was reported, only partial assays in the 0.10 oz/ton range were available for the reported 15 metre wide alteration zone hosting the veins in Pioneer greenstone adjacent to a diorite intrusion. The first 1986 drill hole, intended to test the area 200 metres vertically below the 1940's intersection, did not encounter any significant quartz veining possibly due in part to faulting which displaces the prospective horizon. The second

hole, collared several hundred metres to the southeast (Figure 3), intersected several banded quartz veins in diorite which locally exhibits strong carbonate-sulphide alteration, an environment similar to Bralorne mine. Only weakly anomalous gold values were obtained from the veins and alteration zones.

PROPERTY POTENTIAL

Work to date confirms that the prospective structural/stratigraphic setting of the formerly producing Pioneer mine extends southeasterly into the northern part of the Pacific Eastern property. Results from work in this area indicate some locally good gold values but it should be borne in mind that effective underground and drill testing has been carried out to depths of less than 500 metres. Better and more consistent gold values at the Bralorne and Pioneer mines were found at depths exceeding 500 metres.

Two targets have been identified for further investigation in the northern property area. The first and most obvious of these is within and below the existing underground workings near the mutual boundary with Pioneer mine. Drilling and underground work to date has only partially tested the the upper portion of the gold-bearing system and bearing in mind that better gold values in the

district are contained in shoots within the vein structures, it is possible that drill holes completed to date have intersected lower grade sections adjacent to better mineralized shoots. The most expeditious way to further investigate this area would be by way of underground drilling which would necessarily involve dewatering and rehabilitation of the underground workings.

The second target is several hundred metres to the southeast in the area of the last drill hole completed in 1986. This hole intersected intensely altered diorite, similar to the Bralorne mine environment and may indicate a second mineralized system on the property. Further testing of this area would require surface drilling with hole depths in the 1000 metre range.

REFERENCES

- Carter, N.C.(1986): Pacific Eastern Gold Prospect, Lillooet Mining Division, British Columbia; private report to the Directors, Normine Resources Ltd. dated May 27. (1986): Normine Resources Ltd., Pacific Eastern Gold Project; letter report prepared for First Exploration Fund 1986 and Company Limited Partnership, dated September 11. (1986) Normine Resources Ltd., Goosly Lake Project, Pacific Eastern Project; letter report prepared for First Exploration Fund 1986 and Company Limited Partnership, dated October 29. Diamond Drilling and Geochemical Report Norman, G. (1986): on the Pacific Eastern Property, Lillooet Mining Division, NTS 92J/10,15, Normine Resources Ltd., B.C. Ministry of Energy Mines and Petroleum Resources, Assessment Report 15730.
- Stevenson, W.G.(1983): Geological Report on the Pacific
 Eastern Property in the Lillooet Mining
 Division, British Columbia for Normine
 Resources Ltd., Normine Resources Ltd.
 Statement of Material Facts, July 31,1985.

CERTIFICATE

- I, NICHOLAS C. CARTER, of 1410 Wende Road, Victoria, British Columbia, do hereby certify that:
- 1. I am a Consulting Geologist registered with the Association of Professional Engineers and Geoscientists of British Columbia since 1966.
- I am a graduate of the University of New Brunswick with B.Sc.(1960), Michigan Technological University with M.S.(1962) and the University of British Columbia with Ph.D.(1974).
- 3. I have practised my profession in eastern and western Canada and in parts of the United States for more than 30 years.
- 4. The foregoing report is based on various reports dealing with results of previous exploration programs conducted on the Pacific Eastern property, some of which have been prepared by the writer, and on a personal examination of the property carried out in 1986.
- 5. I hold no interest, directly or indirectly, in the mineral claims comprising the Pacific Eastern property or in the securities of Palmer Industries Ltd. or Urban West Developments Ltd.
- 6. Permission is hereby granted to Palmer Industries Ltd. to use this report, as presented, in support of any necessary filings with the Vancouver Stock Exchange and the British Columbia Securities Commission.

N.C. Carter, Ph.D. P.Eng.

Victoria, B.C. October 12,1993

APPENDIX "A"

MINERAL CLAIMS - PACIFIC EASTERN PROPERTY

APPENDIX "A"

TABULATION OF CLAIM DATA

| Mining Division | | | | |
|----------------------|-------|---------|-------------------------|----------------------------|
| and Land District | Folio | Lot No. | Claim Ka Description | amloops L.R.O. C. of T. |
| Lillooet | 32395 | 5659 | Besance | 6860SF |
| Lillooet | 32395 | 5658 | Mac Fraction | 68606F |
| Lillooet | 32328 | 6169 | Diorite | 68619F |
| Lillooet | 32328 | 6174 | Jackson Fraction | 68593F |
| Lillooet | 32328 | 6170 | Augite | 68596F |
| Lillooet | 32328 | 6167 | Last Fraction | 68597F |
| Lillooet | 32328 | 5652 | Six Eight Fraction | 68391F |
| Lillooet | 32328 | 5651 | Foursix Fraction | 68855F |
| Lillooet | 32131 | 5569 | Twofour Fraction | 68856F |
| Lillooet | 32131 | 5565 | Justrite | 66354F |
| Lillooet | 32131 | 5566 | Docrite | 66355F |
| Lillooet | 32131 | 5567 | Jackrite | 66356F |
| Lillooet | 32131 | 5663 | Pioneer Extension No. 2 | 68615F |
| Lillooet | 32131 | 5551 | Hoover Fraction | 67671F |
| Lillooet | 32131 | 5590 | Plutus No. 8 | 68390F |
| Lillooet | 32069 | 5589 | Plutus No. 7 | 68843F |
| Lillooet | 32069 | 5584 | Plutus No. 2 | 68839F |
| Ullooet | 32049 | 5586 | Plutus No. 4 | 58841F |
| Lillooet | 32069 | 5587 | Plutus No. 5 | 68607F |
| Lillooet | 32069 | 5585 | Plutus No. 3 | 68608F |
| Lillooet | 32069 | 5583 | Plutus No. 1 | 68609F |
| Lillooet | 31992 | 5578 | Undershot No. 3 | 68610F |
| Lillooet | 31992 | 5577 | Undershot No. 2 | 68611F |
| Lillooet | 31992 | 5576 | Undershot No. 1 | 68612F |
| Lillooet | 31992 | 5575 | Full Measure Fr. | 68613F |
| Lillooet | 31909 | 5554 | Jefferson | 67669F |

| Mining Division and | | | | amloops L.R.O. |
|---------------------|-------|---------|-------------------------------|-----------------|
| Land District | Folio | Lot No. | Description | C. of T. |
| Lillooet | 31992 | 5572 | Adams Fraction | 6766 6 F |
| Lillooet | 31992 | 5574 | Overdraft Fraction | 66357F |
| Lillooet | 31992 | 5552 | Roosevelt | 67672F |
| Lillooet | 31950 | 5568 | Pioneer Extension No. 1 | 68614F |
| Lillooet | 31909 | 5560 | Pioneer Extension | 66353F |
| Lillooet | 31909 | 5559 | Bess | 61693F |
| Lilloget | 31909 | 5570 | Pioneer Extension No. 3 | 61693F |
| Lillooet | 31909 | 5557 | Lincoln | 68618F |
| Lillooet | 31909 | 5558 | Bryan | 68617F |
| Lillooet | 31909 | 5556 | Cleveland | 67667F |
| Lillooet | 31909 | 5553 | Garfield | 67670F |
| Lillooet | 31909 | 5555 | Washington | 6766 8F |
| Lillooet | 31909 | 5561 | Pioneer Extension Fraction | 68616F |
| Lillooet | 32328 | 6165 | Mix No. 1 | 70946F |
| Lillooet | 32069 | 5588 | Plutus No. 6 | 68842F |
| Lillooet | 32700 | 5807 | Dan Tucker No. 7 | 6839 8F |
| Lillooet | 32735 | 5845 | East | 68598F |
| Lillooet | 33359 | 6172 | Alta | 6859 5F |
| Lillooet | 33359 | 6173 | Zenith | 68594F |
| Lillooet | 33359 | 6202 | Chism A Fraction | 68850F |
| Lillooet | 33359 | 2162 | Al Fraction | 68857F |
| Lillooet | 32735 | 5837 | EPU No. 4 | 68849F |
| Lillooet | 32700 | 5836 | EUP No. 3 Fraction | 68848F |
| Lillooet | 32603 | 5801 | Dan Tucker No. 3 | 68847F |
| Lillooet | 33359 | 2164 | Don Fraction | 68840F |
| Lillooet | 33359 | 2163 | Hyatt Fraction | 63838F |

| Mining Division | | | Claim Ka | imloops L.R.O. |
|----------------------|-------|----------------------|---------------------|----------------|
| and Land District | Folio | Lot No. | Description | C. of T. |
| Lillooet | 33359 | 648 | McKinley | 60587F |
| Lillooet | 32735 | 5835 | EPU No. 2 | 68403F |
| Lillooet | | . 5838 | EPU No. 5 | 68404F |
| Lillooet | 32735 | 5840 | Rex | 68405F |
| Lillooet | 32735 | 5839 | EPU No. 6 | 68406F |
| Lillooet | 32735 | 5841 | EPU No. 7 | 68407F |
| Lillooet | 32700 | 5662 | Undershot Fraction | 68603F |
| Lillooet | 32700 | 5663 | Mix Fraction | 68602F |
| Lillooet | 32700 | 5664 | Odd Fraction | 67601F |
| Lillooet | 32700 | 5833 | EPU | 68600F |
| Lillooet | 32700 | 5834 | EPU No. 1 | 68599F |
| Lillooet | 32638 | 5806 | Dan Tucker No.6 | 68397F |
| Lillooet | 32638 | 5808 | Dan Tucker No. 8 | 68399F |
| Lillooet | 32638 | 5809 | Dan Tucker Fraction | 68400F |
| Lillooet | 32638 | 5811 | Close Fraction | 68401F |
| Lillooet | 32638 | 5812 | Close A Fraction | 68402F |
| Lillooet | 32638 | 5802 | Dan Tucker No. 4 | 68395F |
| Lillooet | 32638 | 5803 | Dan Tucker No. 5 | 68396F |
| Lillooet | 32603 | 5800 | Chism Fraction | 68846F |
| Lillpoet | 32603 | 7069 | Extra Fraction | 68851F |
| Lillooet | 32603 | 7070 | PEG No.1 Fraction | 68852F |
| Lillooet | 32603 | 7071 | PEG Fraction | 68853F |
| Lillooet | 32603 | 5661 | Gold Field Deep | |
| | •=== | | No. 2A | 63854F |
| Lillooet | 32395 | 5654 | Skull | 68392F |
| Lillooet | 32395 | 5655 | Cross Bones | 68393F |
| Lillooet | 32395 | 5657 | Dan Tucker No. 2 | 68394F |
| Lillooet | 32395 | 5653 | Plutus Fraction | 68844F |
| Lillooet | 32395 | \$656 | Dan Tucker No. 1 | 6\$\$4\$F |
| Lillooet | 32603 | 5600 | Nomad No. 5 | 68604F |
| | | (exc.Pl. B 4703 l | 7.59 acr) | |

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