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 Province of  
 British Columbia

Ministry of  
 Energy, Mines and  
 Petroleum Resources

PROPERTY FILE 82LSE006

MEMORANDUM

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 WRS - cc J. Fontaine  
 for property file  
 Date: March 25, 1987  
 Our File: 24160-20/LUMB/01  
 Janet - Show to  
 abstract geocoder

To: V. A. Preto, Manager

Subject: Property Summary

Name: Lumby, Chaput

Owner/Operator: Quinto Mining Corporation  
 807 - 543 Granville Street  
 Vancouver, B. C. V6C 1X8  
 P. Schiller, President 681-6526  
 D. Kuran, Project Geologist, Lumby

Minfile No.: 82LSE-006 Nat. Min. Inv. No. 82L7-AG1

Lat. 50° 16.1' Long. 118° 56.4'

Mining Division: Vernon

Commodities: Chaput Mine: Ag, Pb, Zn (Sph, Gal, Argt, Py, Po, Cp, Tet)  
 Plateau Zone: Au (Py, Po, Cp, - Ag)

Type: Quartz-sulphide veins within a broad E-W shear zone.

- History:
- hand mining early 1900's.
  - early 1960's Ag-Pb-Zn vein discovered during logging operations (W. Chaput, Logging).
  - 1968 F.K. Exploration Ltd. (Vancouver) developed vein and built 50 TPD mill.
  - 1968-70 approx. 12,000 tons (tonnes?) shipped to Trail Smelter.
  - 1971 Alberta Gypsum Ltd. (Calgary) purchased property, carried out underground exploration.
  - 1974-79 Coast Interior Ventures operated sporadically, upgraded to 150 TPD (1980).
  - 1981 Chaput Mine closed (lack of reserves?).
  - 1983 purchased by Quinto Mining Corporation - exploration to date includes mapping, geophysics, geochemistry, trenching, diamond drilling and reverse circulation drilling, petrographic work.

Geology:

The deposit occurs in metasedimentary and metavolcanic rocks previously included in the Precambrian Monashee Group (Jones 1959), but more recently were mapped as Upper Triassic Slocan (or Nicola) Group (Okulich 1979). The volcano-sedimentary sequence consists of shaly argillites, biotite, siltstones, sericitic lapilli-ash tuffs, chloritic feldspar crystal tuffs and minor phyllite. The strata are folded into a broad WNW trending anticline and are intruded

**Geology: (Continued)**

by small granodiorite and diorite stocks of presumed Jurassic and possibly Cretaceous age.

**Mineralization:**

Mineralization occurs in two areas within a shear zone which trends east-west across the property and dips steeply to the south. In the Chaput Mine Zone at the western end of the shear, silver-lead-zinc mineralization is reported to occur as galena, sphalerite, pyrite, tetrahedrite, pyrrhotite, chalcopyrite and argentite in sugary quartz veins which range in thickness from 0.5 to 1.0 metres and occur in Z-shaped drag folds on the south limb of the WNW trending anticline. Most of this mineralization appears to occur below 600 metres elevation.

Gold mineralization in the Plateau Zone is presumed to be in the same east-west shear zone about 600 metres east of the Chaput Zone and generally lies above 700 metres elevation. Gold is associated with fine to coarse grained disseminated to locally massive pyrite, minor pyrrhotite and chalcopyrite in strongly fractured and sheared quartz veins. Minor amounts of silver also occur with rare and sporadic concentrations of galena and sphalerite in this zone. The shear zone ranges from 5 to 20 metres width, with the enclosed quartz veins up to about 5 metres wide. In some areas fractures in the pyrite bearing quartz veins are filled with black muddy carbonaceous material and it is at these localities where many of the highest gold values have been obtained (i.e. >0.5 oz/t). A few encouraging gold values have been returned from minor quartz veins in the vicinity of the granodiorite intrusive contacts south of the Plateau Zone.

**Possible Model:**

The occurrence of gold - silver mineralization in quartz veins structurally above silver-lead-zinc mineralization suggests the possibility of a vertical zonation of precious metals consistent with current epithermal models. The likelihood that this mineralization is Jurassic and hosted in an Upper Triassic (Nicola equivalent) marine volcano-sedimentary sequence may indicate that the Lumby deposit is part of a potential Jurassic aged intrusive - associated precious metals belt trending from Vidette to the North Okanagan district. This belt will be the initial focus of an MDA project proposed by the author for the 1987 field season.

**References:**

Jones, A. G. 1959. Vernon Map Area. G.S.C. Memoir 296

Okulich, A. V. 1979. G.S.C. Open File 637

B.C.D.M. MMAR 1968 - 222

" GEM 1969 - 298, 1974 - 90

" Expl. in B. C. 1975 - E53, 1978 - E96

" A. R. # 6954

" Mining in B. C. 1975 - 1980 p. 40, 61

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R. E. Meyers  
District Geologist

REM/lc

cc: ✓ W. R. Smyth

T. G. Schroeter