520352
92K/1

MINFILE NO.: 092K 076

NAME(S): LOIS CREEK LOWER,RED MTN.,VERGO,VIRGO,JUPITER

STATUS: Showing
N.T.S.: 092K01E
LATITUDE: 50 00 01
LONGITUDE: 124 05 31
ELEVATION 0838 Metres
COMMENTS: Location from Figure 5, Assessment Report 11641.
LOCATION ACCURACY: Within 1 KM

MINING DIVISION: Vancouver
UTM ZONE: 10
UTM NORTHING: 5539000
UTM EASTING: 421750

COMMODITIES: Copper, Lead, Zinc, Silver, Gold
SIGNIFICANT MINERALS: Sphalerite, Chalcopyrite, Pyrrhotite, Galena, Arsenopyrite
ASSOCIATED MINERALS: Pyrite
ALTERATION MINERALS: Chlorite, Graphite, Limonite
ALTERATION TYPE(S): Chloritic
AGE OF MINERALIZATION: Unknown
DEPOSIT CHARACTER: Massive, Podiform
DEPOSIT CLASS.: Replacement

STRIKE/DIP: 345 90E

DOMINANT HOST ROCK: Metamorphic

GROUP: Gambier

STRATIGRAPHIC AGE: Lower Cretaceous

IGNEOUS/METAMORPHIC/OTHER: Coast Plutonic Complex

STRATIGRAPHIC AGE: Cretaceous

LITHOLOGY:
Graphitic Argillite
Chlorite Tuff
Andesite Flow
Andesite Sill
Granodiorite
Diorite

TECTONIC BELT: Coast Crystalline
TERRANE: Gambier Plutonic Rocks
PHYSIOGRAPHIC AREA: Fiord Ranges (Southern)
METAMORPHIC TYPE: Regional
GRADE: Greenschist

RESERVES:

ZONE: LOIS CREEK LOWER ADIT

CLASSIFICATION: Best Assay
DATE: 1983
SAMPLE TYPE: Chip

COMMODITY	GRADE
Copper	0.2100 Per cent

Lead	0.3900 Per cent
Zinc	9.4600 Per cent
Silver	86.1000 Grams per tonne
Gold	1.3700 Grams per tonne
COMMENTS:	Average of chip samples over 2.5 metres.
REFERENCE:	Assessment Report 11641

GEOLOGY:

The Lois Creek Lower Adit is located at the headwaters of Lois Creek at an elevation of 838 metres. The adit and surrounding trenches lie within the Cretaceous Coast Plutonic Complex near its western boundary with the Insular Belt. The complex consists of diorites and granodiorites enclosing a northwest trending belt of Lower Cretaceous Gambier volcanic rocks and sediments. The bedding strikes 345 degrees parallel to the borders of the belt and dips vertically to steeply eastward.

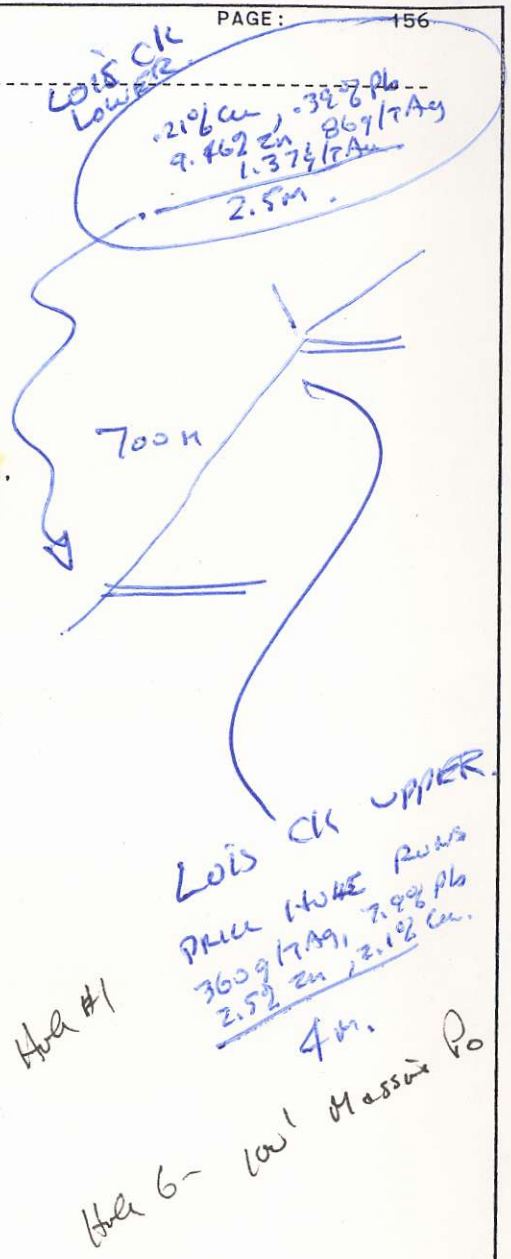
Mineralization consists of pods and lenses of massive sphalerite, chalcopyrite, pyrrhotite and minor galena and arsenopyrite developed within steeply dipping shears which trend 330 to 005 degrees and 060 to 100 degrees. Shearing is believed to be continuous between the upper (north) and lower (south) adit area, a distance of over 700 metres. The shearing is also believed to cut graphitic argillites, chlorite-rich tuffs and andesite flows and/or sills. Overall, the massive shear-controlled mineralized pods appear to be spatially related to the argillite-chlorite tuff contact although some mineralization occurs within both of these units.

From a 2.5 metre wide area in the adit, 5 chip samples assayed an average of 0.21 per cent copper, 0.39 per cent lead, 9.46 per cent zinc, 86.1 grams per tonne silver and 1.37 grams per tonne gold (Assessment Report 11641).

BIBLIOGRAPHY:

EMPR AR 1916-368; 1920-352; 1923-268; 1927-365; 1928-388; 1931-173; 1950-172; 1965-224
EMPR GEM 1970-230; 1971-253
EMPR ASS RPT 2621, 3329, 8630, 9315, *11641
EMPR BULL *39
EMPR EXPL 1980-177; 1981-18
GSC OF 480
GSC MAP 1386A

DATE CODED: 850724 CODED BY: GSB FIELD CHECK: NO
DATE REVISED: 881118 REVISED BY: SED FIELD CHECK: NO



MINFILE NO.: 092K 076

BC SYSTEM

MINFILE NO.: 092K 077

NAME(S): LOIS CREEK UPPER,RED MTN.,VERGO,VIRGO,JUPITER

STATUS: Showing
N.T.S.: 092K01E
LATITUDE: 50 00 24
LONGITUDE: 124 05 47
ELEVATION 1164 Metres
COMMENTS: Location from Assessment Report 11641, Figure 5.
LOCATION ACCURACY: Within 500 M

MINING DIVISION: Vancouver

UTM ZONE: 10
UTM NORTHING: 5539720
UTM EASTING: 421440

COMMODITIES:	Silver	Lead	Zinc		
	Copper				
SIGNIFICANT MINERALS:	Pyrrhotite	Chalcopyrite	Sphalerite	Galena	Tetrahedrite
ASSOCIATED MINERALS:	Arsenopyrite				
ALTERATION MINERALS:	Quartz	Chlorite	Epidote	Garnet	
ALTERATION TYPE(S):	Propylitic	Silicific'n			
AGE OF MINERALIZATION:	Unknown				
DEPOSIT CHARACTER:	Massive	Podiform	Stratabound	Breccia	
DEPOSIT CLASS.:	Hydrothermal	Replacement			

DIMENSIONS: 120 30 (METRES) STRIKE/DIP: 345 30E

DOMINANT HOST ROCK: Metasedimentary

GROUP: Gambier

STRATIGRAPHIC AGE: Lower Cretaceous

IGNEOUS/METAMORPHIC/OTHER: Coast Plutonic Complex

STRATIGRAPHIC AGE: Cretaceous

LITHOLOGY:
Argillite
Flow Rock
Sill
Diorite
Granodiorite

TECTONIC BELT: Coast Crystalline
TERRANE: Gambier Plutonic Rocks
PHYSIOGRAPHIC AREA: Fiord Ranges (Southern)
METAMORPHIC TYPE: Regional
GRADE: Greenschist

RESERVES:

ZONE: LOIS CREEK UPPER ADIT

CLASSIFICATION: Best Assay
DATE: 1984
SAMPLE TYPE: Drill Core

COMMODITY	GRADE
Silver	359.5000 Grams per tonne
Lead	7.9000 Per cent

Zinc 2.5000 Per cent
Copper 2.1000 Per cent
COMMENTS: Drill core assay over 4 metres.
REFERENCE: Assessment Report 13814

GEOLOGY:

The Lois Creek Upper is located at the headwaters of Lois Creek at an elevation of 1164 metres. The adit and surrounding trenches lie within the Cretaceous Coast Plutonic Complex near its western boundary with the Insular Belt. The complex consists of diorites and granodiorites enclosing a northwest trending belt of Lower Cretaceous Gambier volcanic rocks and sediments. The bedding strikes 345 degrees parallel to the borders of the belt and dips vertically to steeply eastward.

Sulphide mineralization observed in drill core consists of stringers, veinlets, blebs, pods and minor disseminations of pyrrhotite, chalcopyrite, sphalerite, galena, minor tetrahedrite and trace arsenopyrite within brecciated, quartz-chlorite-epidote-plus or minus garnet altered portions of a predominantly argillite unit. Mineralization is found at or near contacts with intercalated chloritic flows and sills. Four main mineral assemblages are recognized:

a) pyrrhotite-sphalerite;
b) pyrrhotite-sphalerite-galena;
c) pyrrhotite-chalcopyrite, plus or minus tetrahedrite; and
d) pyrrhotite-sphalerite-chalcopyrite-galena.

Three en echelon, stratabound stringer sulphide zones up to 30 metres wide and aggregating 120 metres in length occur in the vicinity of the upper adit. The sulphide zones consist of high grade polymetallic pods enveloped by low grade, silver poor, zinc and/or copper mineralization. Best intercepts assayed 135 grams per tonne silver, 2.74 per cent lead, 1.61 per cent zinc and 0.79 per cent copper over 12 metres including 359.5 grams per tonne silver, 7.9 per cent lead, 2.5 per cent zinc and 2.1 per cent copper over 4 metres (Assessment Report 13814).

39.4' grading
3.9 oz/t Ag
2.74% Pb
1.61% Zn
0.79% Cu

BIBLIOGRAPHY:

EMPR AR 1916-368; 1920-352; 1923-268; 1927-365; 1928-388; 1931-173; 1950-172; 1965-224
EMPR ASS RPT 2621, 3329, 8630, *11641, *13814
EMPR BULL 39
EMPR GEM 1970-230; 1971-253
EMPR EXPL 1980-177; 1981-18
GSC OF 480
GSC MAP 1386A

DATE CODED: 881121 CODED BY: SED FIELD CHECK: NO
DATE REVISED: 881121 REVISED BY: SED FIELD CHECK: NO

MINFILE NO.: 092K 077

BC SY

MINFILE NO.: 092K 082 NATIONAL MINERAL INVENTORY NO.: 092K1 F16,Cu1

NAME(S): LOIS CREEK TRENCH

STATUS: Showing MINING DIVISION: Vancouver
N.T.S.: 092K01E
LATITUDE: 50 00 47 UTM ZONE: 10
LONGITUDE: 124 05 58 UTM NORTHING: 5540430
ELEVATION 1433 Metres UTM EASTING: 421230
COMMENTS: Located above the headwaters of Lois Creek, 1100 metres south of Skwim Lake (Assessment Report 11641).
LOCATION ACCURACY: Within 500 M

COMMODITIES: Gold Silver Lead
Zinc Copper
SIGNIFICANT MINERALS: Galena Sphalerite Chalcopyrite
AGE OF MINERALIZATION: Unknown
DEPOSIT CHARACTER: Vein Disseminated
DEPOSIT CLASS.: Unknown
STRIKE/DIP: 345 90E

DOMINANT HOST ROCK: Volcanic

GROUP: Gambier STRATIGRAPHIC AGE: Lower Cretaceous

IGNEOUS/METAMORPHIC/OTHER: Coast Plutonic Complex STRATIGRAPHIC AGE: Cretaceous
LITHOLOGY: Andesite
Andesite Flow
Diorite
Argillite
Granodiorite
COMMENTS: Host rock lithology is ambiguous.

TECTONIC BELT: Coast Crystalline
TERRANE: Gambier Plutonic Rocks
PHYSIOGRAPHIC AREA: Fiord Ranges (Southern)
METAMORPHIC TYPE: Regional
GRADE: Greenschist

RESERVES:

ZONE: LOIS CREEK TRENCH

CLASSIFICATION: Best Assay
DATE: 1983
SAMPLE TYPE: Chip

COMMODITY	GRADE
Gold	0.8630 Grams per tonne
Silver	134.0000 Grams per tonne
Lead	1.0000 Per cent

Zinc 1.0000 Per cent
COMMENTS: Average of 3 chip samples over 3 metres. Trace copper.
REFERENCE: Assessment Report 11641

GEOLOGY:

The Lois Creek Trench is located above the headwaters of Lois Creek 1100 metres south of Skwim Lake, at an elevation of 1433 metres. The trench lies within the Cretaceous Coast Plutonic Complex near its western boundary with the Insular Belt. The complex consists of diorites and granodiorites enclosing a northwest trending belt of Lower Cretaceous Gambier volcanic rocks and sediments. The bedding strikes 345 degrees parallel to the borders of the belt and dips vertically to steeply eastward. In the area of the trench, massive andesite flows and intrusive rocks form prominent cliff exposures, in many places with well-developed volcanic features such as flow top breccias and vesicles.

In a zone of strong cross-fracturing, mineralization occurs irregularly in seams of 10 to 30 centimetres in width, over a total width of 3.7 metres. Galena with minor sphalerite and chalcopyrite is exposed in two small trenches. An average of 3 chip samples over 3 metres within the larger of the two trenches assayed an average of 0.863 grams per tonne gold, greater than 134 grams per tonne silver, greater than 1 per cent lead, greater than 1 per cent zinc and minor copper (Assessment Report 11641). Another sample from just south of this trench assayed 2.25 grams per tonne gold, 560 grams per tonne silver, greater than 1 per cent lead, greater than 1 per cent zinc and 0.14 per cent copper over 8 centimetres (Assessment Report 11641).

BIBLIOGRAPHY:

EMPR AR 1916-368; 1920-352; 1923-268; 1927-365; 1928-388; 1929-364; 1931-173; 1950-172; 1965-224
EMPR ASS RPT 2621, *3329, *11641
EMPR BULL 39
EMPR GEM 1970-230; 1971-253
GSC OF 480
GSC MAP 1386A

DATE CODED: 881118 CODED BY: SED FIELD CHECK: NO
DATE REVISED: 881118 REVISED BY: SED FIELD CHECK: NO

MINFILE NO.: 092K 082

MINFILE NO.: 092K 083

NAME(S): NO MAN'S CREEK

STATUS: Showing
N.T.S.: 092K01E
LATITUDE: 50 00 51
LONGITUDE: 124 05 14
ELEVATION: 1097 Metres
COMMENTS: Location from Figure 6, Assessment Report 11641.
LOCATION ACCURACY: Within 500 M

MINING DIVISION: Vancouver
UTM ZONE: 10
UTM NORTHING: 5540540
UTM EASTING: 422100

COMMODITIES:	Gold	Zinc		Copper
	Silver			
SIGNIFICANT MINERALS:	Sphalerite	Chalcopyrite	Arsenopyrite	Gold
ASSOCIATED MINERALS:	Quartz	Pyrite		
AGE OF MINERALIZATION:	Unknown			
DEPOSIT CHARACTER:	Vein	Disseminated		
DEPOSIT CLASS.:	Hydrothermal	Epigenetic		

STRIKE/DIP: 40 90E

COMMENTS: Length of quartz vein.

DOMINANT HOST ROCK: Volcanic

GROUP: Gambier

STRATIGRAPHIC AGE: Lower Cretaceous

IGNEOUS/METAMORPHIC/OTHER: Coast Plutonic Complex

STRATIGRAPHIC AGE: Juro-Cretaceous

LITHOLOGY: Mafic Flow Rock
Tuff
Diorite
Granodiorite

TECTONIC BELT: Coast Crystalline
TERRANE: Gambier
PHYSIOGRAPHIC AREA: Fiord Ranges (Southern)
METAMORPHIC TYPE: Regional
GRADE: Greenschist

RESERVES:

ZONE: NO MAN'S CREEK

CLASSIFICATION: Best Assay
DATE: 1983
SAMPLE TYPE: Chip

COMMODITY	GRADE
Gold	24.3000 Grams per tonne
Zinc	1.0000 Per cent
Copper	0.0680 Per cent
Silver	23.0000 Grams per tonne

COMMENTS: Chip sample over a 0.16 metre width.
REFERENCE: Assessment Report 11641

GEOLOGY:

The showing lies within the Juro-Cretaceous Coast Plutonic Complex near its western boundary with the Insular belt. The complex consists of diorites and granodiorites enclosing a northwest trending belt of Lower Cretaceous Gambier volcanic rocks and sediments. Only in the eastern and possibly basal part of the belt are mafic flows and interbedded tuff evident.

A narrow shear containing a quartz vein has a vertical dip and can be traced along strike, 040 degrees, for over 244 metres. For the greater part of this distance the vein traverses various members of the volcanic assemblage, but at its northeastern end it persists into the plutonic rocks for over 30 metres. Mineralization is sparse, consisting of pyrite, arsenopyrite, sphalerite, chalcopyrite and a few rare specks of gold. The vein averages 11 centimetres in width and does not exceed 23 centimetres.

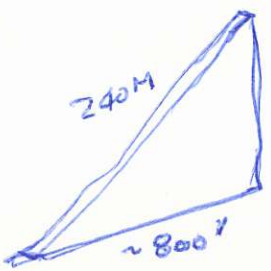
A 1983 chip sample across a width of 0.16 metres assayed 24.3 grams per tonne gold, 1.0 per cent zinc, 0.068 per cent copper and 23 grams per tonne silver (Assessment Report 11641). A sample in 1950, over a width of 2.54 centimetres, assayed as much as 179.79 grams per tonne gold (Minister of Mines Annual Report 1950, page 177).

- 20 cm vein
- 240 M. long.

BIBLIOGRAPHY:

EMPR ASS RPT *11641
EMPR BULL *39, pp. 38,39
EMPR AR *1950, pp. 172-177
GSC MAP 1386A
GSC OF 480

DATE CODED: 850724 CODED BY: GSB FIELD CHECK: NO
DATE REVISED: 881116 REVISED BY: SED FIELD CHECK: NO



24 g/t Au
= .7 oz/t Au

MINFILE NO.: 092K 083

MINFILE NO.: 092K 084 NATIONAL MINERAL INVENTORY NO.: 092K1 F16,Cu1

NAME(S): MT. DIADEM

STATUS: Showing
N.T.S.: 092K01E
LATITUDE: 50 00 13
LONGITUDE: 124 04 51
ELEVATION: 0900 Metres
COMMENTS: Location from Figure 6, Assessment Report 11641.
LOCATION ACCURACY: Within 500 M

MINING DIVISION: Vancouver
UTM ZONE: 10
UTM NORTHING: 5539360
UTM EASTING: 422540

COMMODITIES: Gold, Silver, Lead, Zinc, Copper
SIGNIFICANT MINERALS: Galena, Sphalerite, Chalcopyrite
ASSOCIATED MINERALS: Pyrite
ALTERATION MINERALS: Quartz
ALTERATION TYPE(S): Silicific'n
AGE OF MINERALIZATION: Unknown
DEPOSIT CHARACTER: Podiform, Massive
DEPOSIT CLASS.: Unknown

STRIKE/DIP: 110 65N

DOMINANT HOST ROCK: Volcanic

GROUP: Gambier

STRATIGRAPHIC AGE: Lower Cretaceous

IGNEOUS/METAMORPHIC/OTHER: Coast Plutonic Complex

STRATIGRAPHIC AGE: Cretaceous

LITHOLOGY: Mafic Flow, Tuff, Granodiorite, Diorite

TECTONIC BELT: Coast Crystalline
TERRANE: Gambier
PHYSIOGRAPHIC AREA: Fiord Ranges (Southern)
METAMORPHIC TYPE: Regional
GRADE: Greenschist

Plutonic Rocks

RESERVES:

ZONE: MT. DIADEM ADIT

CLASSIFICATION: Best Assay
DATE: 1983
SAMPLE TYPE: Grab

COMMODITY	GRADE
Gold	4.9000 Grams per tonne
Silver	264.0000 Grams per tonne
Lead	8.8900 Per cent

Zinc	8.6200 Per cent
Copper	0.0200 Per cent
COMMENTS:	Grab sample from Mt. Diadem adit.
REFERENCE:	Assessment Report 11641

GEOLOGY:

Immediately above the head of No Man's Creek on the northern slopes of Mt. Diadem an old adit is located at an elevation of 900 metres. The adit lies within the Cretaceous Coast Plutonic Complex near its western boundary with the Insular Belt. The complex consists of diorites and granodiorites enclosing a northwest trending belt of Lower Cretaceous Gambier volcanic rocks and sediments. Only in the eastern and possibly basal part of the belt are mafic flows and interbedded tuff evident.

The adit is collared at the contact of the volcanic rocks with the intrusive rocks. The adit penetrates the silicified, recrystallized volcanics for 12 metres, at which distance a 0.61 metre shear is intersected. Pods consisting of galena, sphalerite, pyrite and small amounts of chalcopyrite are exposed in the shear.

A 0.25 metre wide sample of the shear southeast of the adit assayed 0.017 per cent copper, greater than 1 per cent lead, greater than 1 per cent zinc, greater than 200 grams per tonne silver and 0.18 grams per tone gold (Assessment Report 11641). A grab sample from the adit assayed 4.9 grams per tonne gold, 264 grams per tonne silver, 8.89 per cent lead, 8.62 per cent zinc and 0.02 per cent copper (Assessment Report 11641).

grades

BIBLIOGRAPHY:

EMPR AR 1920-219; 1928-388; 1929-394; *1950-A175
EMPR BULL *39, p. 36
EMPR ASS RPT *11641
GSC MAP 1386A
GSC OF 480

DATE CODED: 850724 CODED BY: GSB FIELD CHECK: NO
DATE REVISED: 881117 REVISED BY: SED FIELD CHECK: NO

MINFILE NO.: 092K 084