Marble Bowen Bay PbZn occurrences
WJ Storie. Shell - Coast Silver
occurrences.

PROPERTY EXAMINATION REPORT

REO AND BLUEBERRY HILL SHOWINGS, CASSIAR, B.C.

675971
104P/5

Latitude: 59° 15' N

Longitude: 129° 44' W

N.T.S.: 104 P/4,5

Minerals of Interest: Au, Ag

Brought Forward By: Bill Storie

Examined By: I. Lyn, I. Coster - July, 1982.

Action: No interest

CONCLUSIONS

Gold at Reo appears to occur in small shoots in largely barren quartz masses. The form of the quartz masses is complex and veins would be difficult to trace. Where veins are better defined, as at Blueberry Hill, the tetrahedrite and gold are still only in some sections. There may be high grade vein hidden giving the anomalous soil but it would be difficult to find.

SUMMARY

An alteration zone 100 m wide contains large masses of quartz at the Reo showing. Most quartz is barren and white, some contains tetrahedrite and some graphite. A Shell geochemical survey outlined a 100 x 300 m area of +250 ppb Au, but three holes drilled across the zone found little mineralization.

GENERAL GEOLOGY

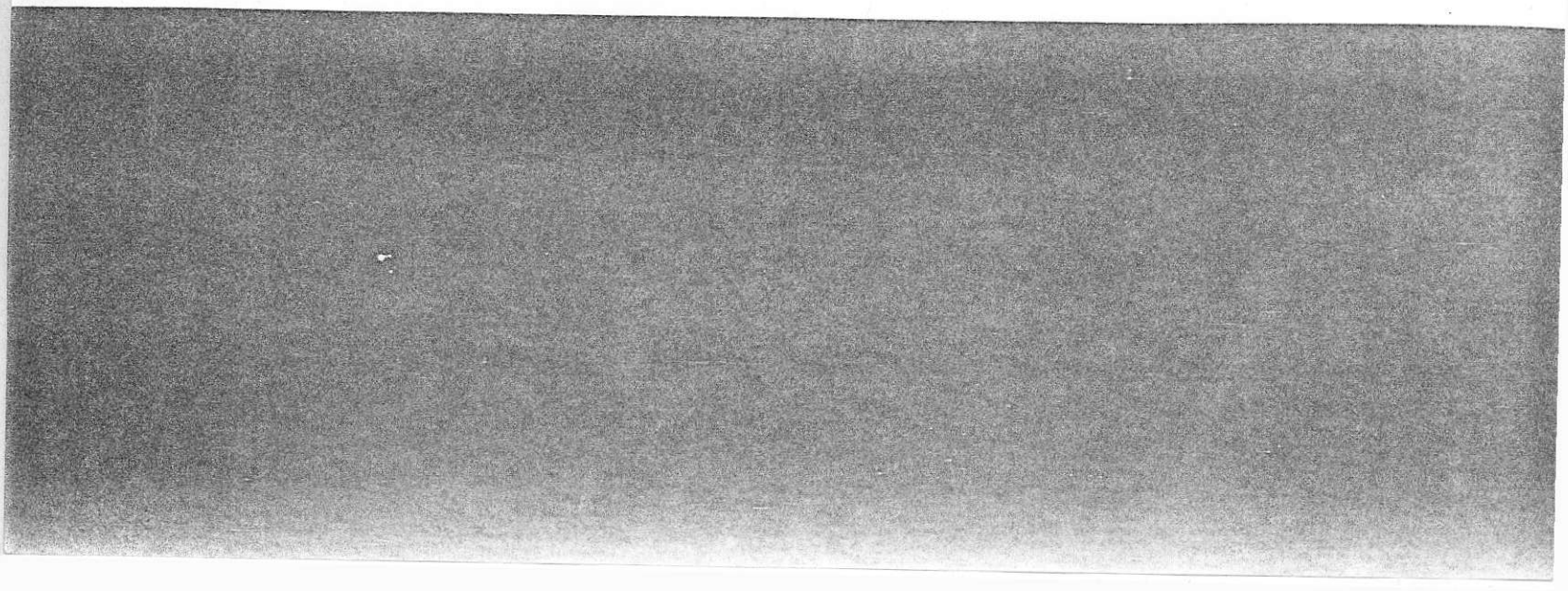
The host rock of the showings is andesitic chlorite netted greenstone of the Sylvester Group. It underlies the Troutline Creek/McDame Lake basin but outcrops in only a few knobs and creek valleys as most of the low lands are covered by glacial outwash. The gold bearing quartz veins are within ankeritic and pyritic alteration zones which weather to orange limonite rock and an orange red soil. The showings are at the west end of a major zone that trends 5km ENE through Wings Canyon to Snowy Creek.

DESCRIPTION OF SHOWINGS

The Reo showing is on the south facing slope of a small ridge trending ENE where large outcrops of quartz are exposed. The showing is surrounded by stony till. The predominant variety of quartz is massive white quartz, slightly limonite stained and with minor vugs, which outcrops along the lower road (see sketch map). At the northeast end of this belt is an outcrop of graphitic quartz. This has black powdery graphite in hazy disseminations, on stylolitic partings and on fractures. The stylolitic partings have an average direction of 052°/30° NW, which is possibly the attitude of the vein, although the walls are not exposed. There are no vugs.

The third type of quartz is exposed in a belt about 10m wide and 60m north of the lower road. This quartz is similar to the first type except it contains tetrahedrite in irregular blebs up to 2 cm in diameter, plus minor pyrite, chalcopyrite and possibly sphalerite as zinc zap reacted. Gold is reported to be with the graphitic and tetrahedrite varieties of quartz. Brinco and Shell assays are as follows:

..../2



		Au	Ag
White Bull QZ	Brinco 14209	< 10 ppb	0.1 ppm
White Bull QZ	Brinco 14210	< 10 ppb	1.0 ppm
Graphitic QZ	Brinco 14208	(6 ppm Sn by error)	
Graphitic QZ	Shell grab	0.3 oz/T	1.51 oz/T
Tetrahedrite QZ	Brinco grab 14212	10 ppb	> 100 ppm Ag
Tetrahedrite QZ	Shell grab	0.124 oz/t	79.5 oz/t

The wall rock of the veins is ankeritic pyritic greenstone, but with a small area of listwanite near the tetrahedrite quartz. A Shell geochemical survey outlined a 100m x 300m area of +250 ppb Au in soil over the showing.

The Blueberry Hill showing is 700m ENE on strike of the Reo showing. A vein about 80m wide at 066/80E is partially exposed over about 95m. It carries tetrahedrite in places. The vein appears to pinch and swell from ½ to 1 metre and has altered greenstone wallrocks. It is not known if the Shell geochemical survey covered the showing. A Brinco grab sample, 14213 assayed 220 ppb Au and 8.24 oz/T Ag. Chip sample 14277 of barren looking white quartz assayed 0.1 ppm Ag, 10 ppb Au.

Another showing of quartz outcrops on the Lang Creek Road 1.3km SW of Reo; sample 14211 - 20 ppb Au, 0.1 ppm Ag. Also red soil derived from alteration zones is seen in several places in the area.

LOCATION AND ACCESS

The showing is 8km southeast of Cassiar and connected by roads to the Cassiar Road and Highway 37.

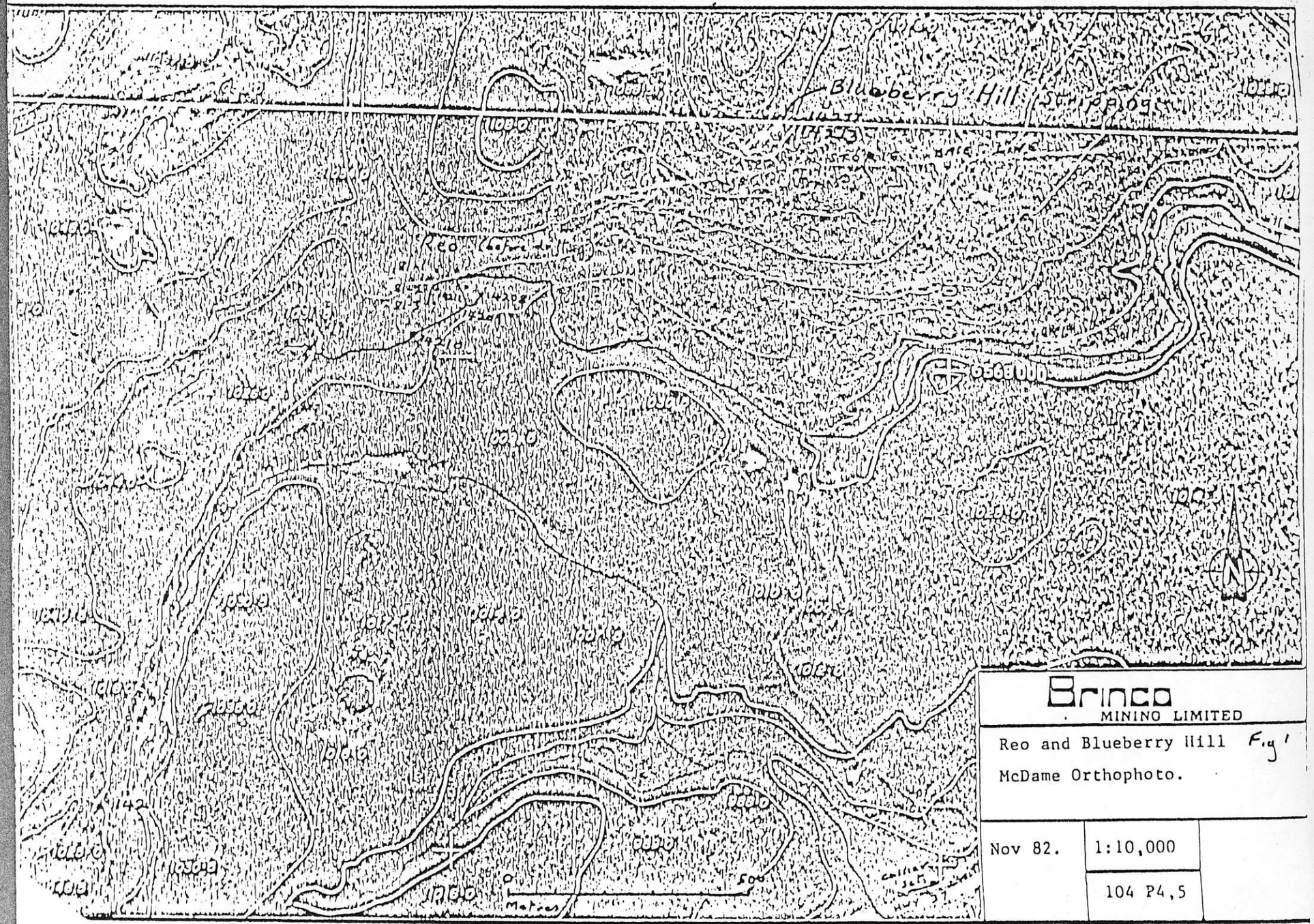
HISTORY

The property was formerly called the George, reported on by Mandy, BCDM AR 1935 and the Left Shoe, examined for Cassiar by H.A. Briden in 1960. An assay sheet from 1962 shows poor results except for a sample of 0.52 oz/T Au and 0.1 oz/T Ag.

Owner: Bill Storie, Cassiar, B.C.

Claims: Alta 4, Reo 1-12, Peggy 1-20 est. (part of large block of Storie claims).

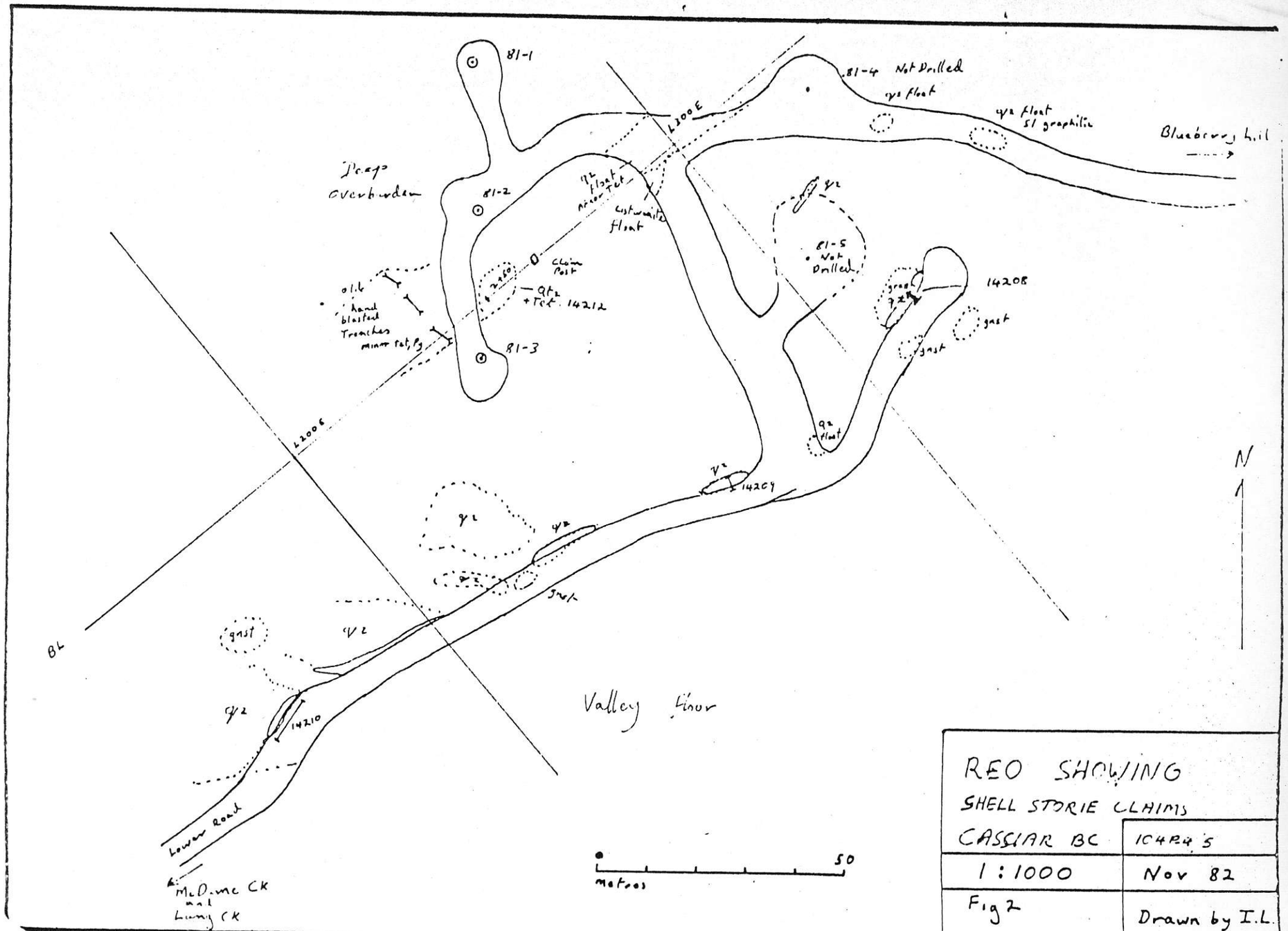
..../3



Brinco
MINING LIMITED

Reo and Blueberry Hill Fig 1
McDame Orthophoto.

Nov 82.	1:10,000	
	104 P4,5	



REO SHOWING	
SHELL STORIE CLAIMS	
CASSIAR BC	104P4 5
1 : 1000	Nov 82
Fig 2	Drawn by I.L.

JURASSIC AND CRETACEOUS

1 CASSIAR STOCK - Quartz Monzonite, pink to grey
Fine to medium grained with some Quartz-Feldspar Porphyritic sections. Well jointed, fractured with some Quartz, Flourite, Sericite, Beryl fracture fillings in the M-Zone

UPPER DEVONIAN AND LOWER MISSISSIPPIAN

2 SYLVESTER GROUP

2A. BASALT AND ANDESITE – dark green, grey green, fine to medium grained, mostly flow rocks with some Tuff (2A-T), Breccia (2A-BX), and Pillows (2A-P). The massive flow rocks have hairline fractures with Chlorite or Epidote. Pyrite occurs as minor disseminations.

2B. DACITE?- Light grey-green, fine and medium grained. Mostly Lapilli size Pyroclastic (2B-L) and Breccia or Pillow fragments (2B-BX) or as fine grained possibly sheared Tuff (2B-T) containing disseminated Chalcocite and lesser Chalcopyrite near the Lang Creek Showing.

2C. DIORITE – Dark green, medium to coarse grained also as dikes and sills within 1A.

2D. ARGILLITE – Black and grey-black, laimnated to thinly bedded to massive; cherty sections and interbeds, Graphitic and sometimes Pyritic minor grit or micro-conglomerate interbeds, Shale and Slate, and Limestone.

MIDDLE AND UPPER DEVONIAN

3 MIDAME GROUP

3A. DOLOMITIC SANDSTONE, SANDSTONE, CHERT, QUARTZITE – blue-grey, grey, thinly bedded to laminated. Interbeds and Laminations of Quartzite and Chert.

ORDOVICIAN, SILURIAN AND (?) DEVONIAN

4 SANDPILE GROUP

4A. LIMESTONE – Grey, light grey, and lesser grey-black, massive, highly folded and contorted, sometimes fissile. Recrystallized Quartz veining throughout.

CAMBRIAN AND ORDOVICIAN

5 KECHIKA GROUP

5A. ARGILLITE, SHALE, SLATE – black to grey-black; mostly argillite with a pervasive mild slatey cleavage, some sections of shale and slate; cherty and calcareous sections throughout laminated to bedded, pyrite occurs as fine disseminations up to 1% and as fine streaks.

5B. PHYLLITE - black, friable, carbonaceous, with minor pyrite.

5C. ARGILLACEOUS LIMESTONE – grey-black, massive, with argillite and shale fragments.

CAMBRIAN

LOWER CAMBRIAN

6 ATAN GROUP

6A. LIMESTONE – blue-grey to dark grey, laminated to well-bedded to massive, with floggy patches and minor fragmental or breccia sections. (6A-BX)

6B. RECRYSTALLIZED LIMESTONE (MARBLE) – buff, white, massive and as stringers and patches in 2A, large rohmbohedric crystals.

6C. DOLOMITE – yellow, buff, brown, rose, crystalline, massive, with some friable sections, minor pyritohedrons in the crystalline portions.

6D. QUARTZITE – maroon, green, brown, and tan, well-bedded with cross bedded sections, pyrite and lesser pyrrhotite as disseminations and stringers.

6E. HORNFELSIC QUARTZITE – maroon, green, buff, and brown; pure quartzite beds are crystalline, less pure beds are schistose and contain andalusite patches; chlorite clots occur in the chlorite-rich green beds; more abundant pyrite and pyrrhotite than in 2D as stringers and scales along fracture surfaces and minor massive banded pyrite-pyrrhotite.

6F. SHALE AND SLATE – black, grey, and buff, laminated, pyritic, and carbonaceous, with some calcareous interbeds.

7 TACTITE GARNET-DIOPSIDE AND GARNET ACTINOLITE - minor scheelite mineralization

8 QUARTZ VEINING

8A MILKY WHITE QUARTZ: Massive, some places brecciated and healed with white quartz. Some sections are pyrite bearing. TRACE tetrahedrite and chalcopyrite

8B GRAPHITIC QUARTZ: Milky white quartz fractured with graphite along fractures, pyrite with graphite seams.

9 INTERMEDIATE DIKE:

10 CONGLOMERATE; KECHIKA, SANDPILE ATAN, LOOSELY CEMENTED

CDH COMINCO DRILL HOLE
CSDH COAST SILVER DRILL HOLE
■ LEGAL CORNER POST
△ SHOWING ⚠ MINERALIZED FLOAT
TRENCH
DIAMOND DRILL HOLE WITH DIRECTION
SUBCROP
x LARGE BOULDERS
SWAMP
POND OR LAKE
ADIT WITH DUMP
LIMIT OF OUTCROP
CONTACT
INTERCALATED CONTACT
INTRUSIVE CONTACT
FAULT
DIKE
SCHISTOSITY WITH DIP
BEDDING WITH DIP
ROAD
TRAIL OR TRACK

A Á = INITIAL POST PIT - 1
INITIAL POST PIT - 2

B B = FINAL POST PIT-1
FINAL POST PIT - 2

C C = FINAL POST MAG NO 3,4

D D = INITIAL POST MAG NO 1, 2, 3, 4

inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Ca - CASSITERITE
Asp - ARSENOPYRITE
Ch - CHLORITE
ga - GALENA
im - LIMONITE
mag - MAGNETITE
Py - PYRITE
Pz - PYROLOSITE
Po - PYRRHOTITE
ro - PHODOCHROSITE
Sp - SPHALERITE
tr - TREMOLITE
Cp - CHALCOPYRITE
Sn - TIN
Wo - TUNGSTEN
Mo&z - MOLYBDENITE
TET-TETRAHEDRITE

REO

SHELL CANADA RESOURCES LIMITED
EXPLORATION – MINERALS

3191 P
CASSIAR PROJECT - B.C.

GEOLOGICAL RECON.

FIGURE 5

AUTHOR C. BLOOMER SCALE 1:5,000 DRAWING No. VD.80-A
DATE: REVISED: AUGUST, 1981 ENCLOSURE No.:
To Accompany

SHEET INDEX

8	6	3
7	5	
	4	1

SCALE 1:5000
0 150 300 m