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GEOLOGICAL SURVEY BRANCH
MINING REPORT

26,053

SUMMARY

Big Valley Resources Inc. owns the claims comprising the Hugger claim group. These claims totalling 158 contiguous claim units are located 57 kilometres northeast of Williams Lake in the Cariboo Mining Division.

Big Valley Resources Inc. carried out a reverse circulation rotary drill program on its Hugger claim group in July 1999.

The group is located in the "Quesnel Trough" about 57 kilometres northeast of Williams Lake, BC. The claims cover Triassic sedimentary and basic volcanic rocks which have been intruded by stocks of alkalic rocks - diorite monzonite and syenite. These stocks carry copper minerals and gold some of which have concentrated in brecciated zones in the stocks or in nearby basalts and sedimentary rocks. The Hugger group has extensive favourable intrusive rocks and past exploration has located large soil anomalies.

Five reverse circulation drill holes have explored soil anomalies and areas where outcrops and panned soil have shown gold values. The drill cuttings have not yet been analysed but chip examination has noted considerable pyrite, rock alterations and possible faulting and brecciation. With favourable results from chip analysis further drilling is warranted.

Several other drill target areas have been outlined on the claim group and await further explanation and drilling.

RECOMMENDATION

The chip must be analysed by 30 element ICP and gold geochemistry. Following favourable results from the analysis further drilling will be planned.

INTRODUCTION

Big Valley Resources Inc. drilled five reverse circulation drill holes in July 1999 under the writer's supervision.

This report is written for assessment work purposes. The writer carried out chip logging at the Company's Likely field office in October where the chips are stored. Analysis of the chips will be carried out at a later date.

LOCATION, ACCESS AND PHYSIOGRAPHY

The Hugger-Buck-MT-Hug claims are located 57 kilometres northeast of the city of Williams Lake in central British Columbia in the Cariboo Mining Division (Figure 1). The centre of the claims is at latitude 52°38' north and longitude 121°42' west.

The property is readily accessible from Highway 97 at 150 Mile House via 76 kilometres of paved highway on the Likely road. About 5-6 kilometres before the village of Likely a dirt road (the Bullion Pit road) extends northward about 3.0 kilometres to Hug 1 and 2 claims where holes 99 #1, 2, and 3 were drilled and another 2.5 kilometres to OTR #1 and 2 claims where holes 99 #4 and 5 were drilled. An enormous amount of trees were blown down last winter and access required forestry permission and logging contractor for road clearance.

The property lies in the Quesnel Highland physiographic region of the central British Columbia interior. This region is characterized by broad valleys and gently rolling hills with elevations on the property ranging from 800 metres to 1,220 metres above sea level.

The claims occur in a moist vegetative zone dominated by combinations of coniferous (cedar-pine-spruce-fir) and deciduous (birch-popular) forests with undergrowths of alder and devils club.

Claim Status

The property consists of the following claims:

Claim Name	Tenure No.	Units	Expiry Date	
Milestone	1	364714	1	29 July 1999
	2	364715	1	29 July 1999
	3	364716	1	29 July 1999
	4	364717	1	29 July 1999
	5	164718	1	29 July 1999
	6	364719	1	29 July 1999
	7	364720	1	30 July 1999
	8	364721	1	30 July 1999
	9	364722	1	30 July 1999
	10	364723	1	30 July 1999
	11	364724	1	30 July 1999
	12	364725	1	30 July 1999
MT	1	319829	15	22 July 1999
	2	319830	15	24 July 1999
	4	319832	15	27 July 1999
	5	319833	8	4 August 1999
	6	319834	20	2 August 1999
Buck	1	360592	1	11 November 1999
	2	360593	1	11 November 1999
	3	360594	1	11 November 1999
	4	360595	1	11 November 1999
	5	360596	1	11 November 1999
	6	360597	1	13 November 1999
NBS		360708	1	15 November 1999
AWS		360709	1	15 November 1999
OTR	1	366002	1	6 October 1999
	2	366003	1	6 October 1999
Hug	1	370304	1	14 July 2000
	2	370305	1	14 July 2000
Hugger	1	359785	1	9 October 1999
	2	359786	1	9 October 1999
	3	359787	1	7 October 1999
	4	359788	1	7 October 1999
	5	359789	1	7 October 1999
	6	359790	1	7 October 1999
	7	359793	12	11 October 1999
	8	359506	20	5 October 1999
	9	359507	20	2 October 1999
	10	359792	1	10 October 1999
	11	359791	1	10 October 1999
	12	359707	1	15 November 1999

The claims are all registered in Big Valley Resources Inc.'s name.

The claim locations have not been examined by the writer and land surveying of their location has not been carried out. Their exact location is therefore not known.



LOCATION MAP

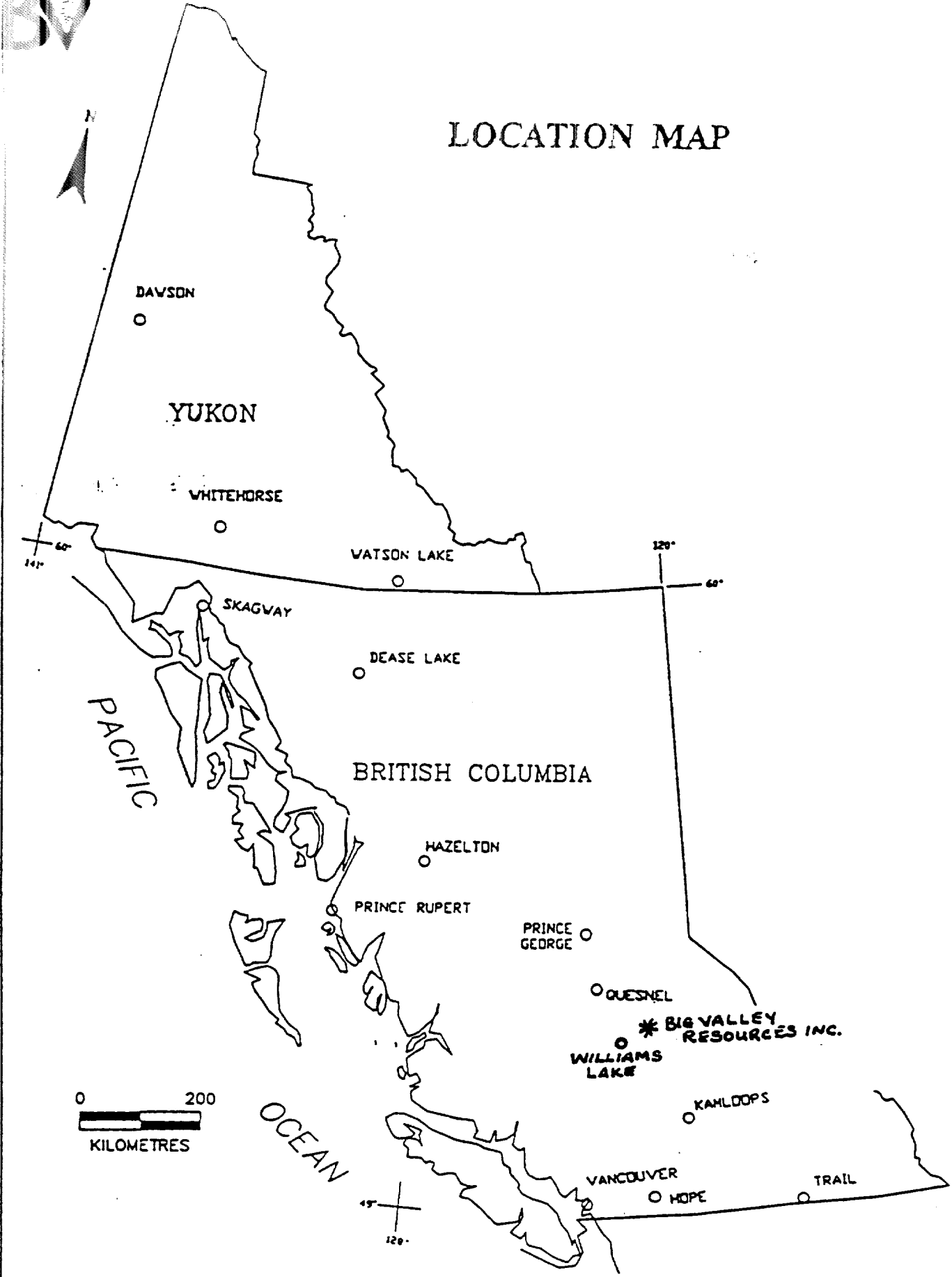


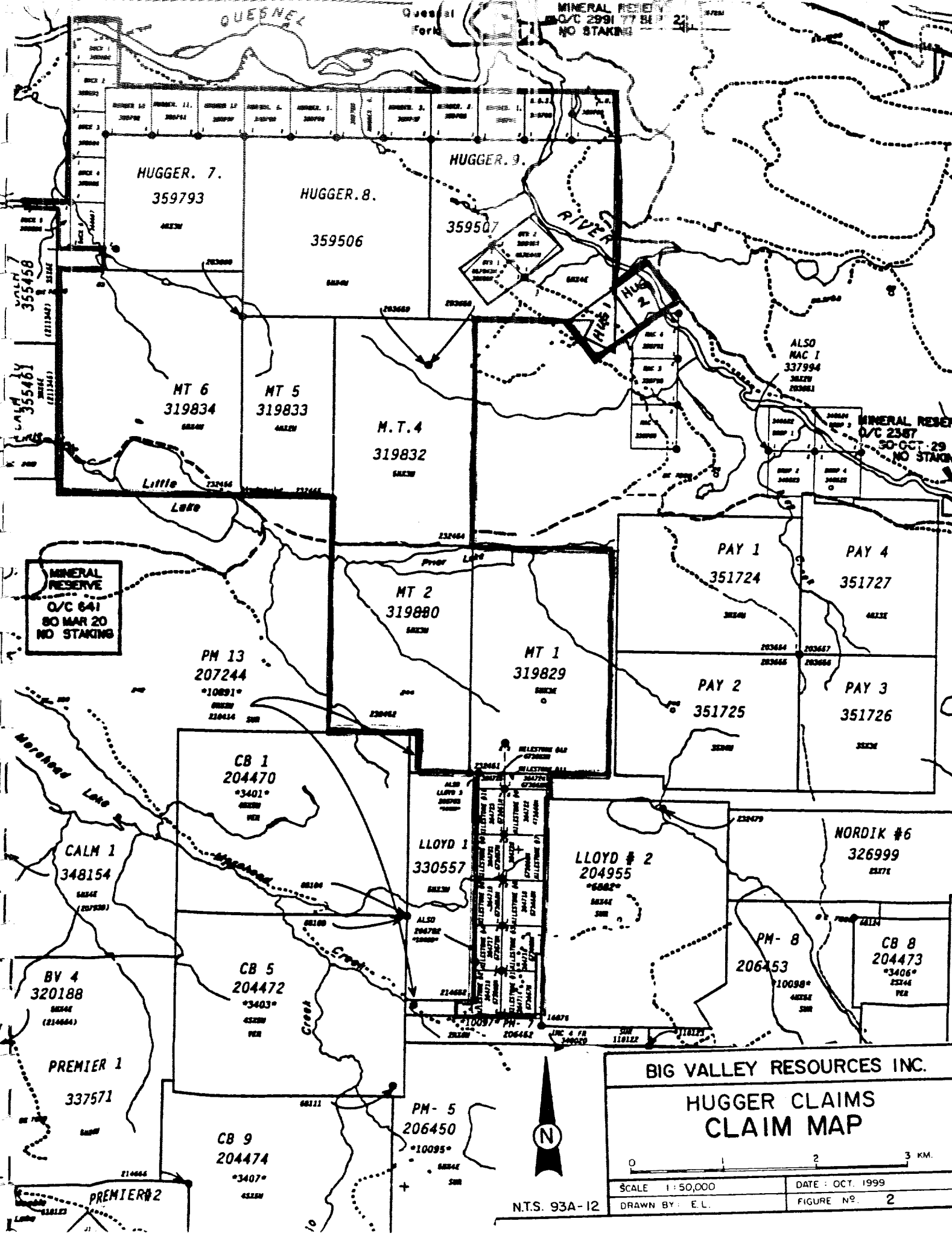
Figure 1

PROPERTY HISTORY

Mining activity in the region has a long history starting with placer operations in 1890, which has continued with varying intensity to the present. From 1960 to 1975, the area was explored for porphyry copper deposits.

In 1964, the Cariboo Bell porphyry gold-copper deposit was discovered during exploration of a prominent aeromagnetic anomaly. Today, the Mount Polley deposit is jointly owned 55% by Imperial Metals Corporation and 45% by Sumitomo Corporation, and went into production in 1997. It adjoins Big Valley Resources Inc. to the east and south.

In 1975, during the investigation of a similar aeromagnetic anomaly, Dome Mines Ltd. discovered the QR gold deposit. The QR deposit was in production from May 1995 to April 1998 and adjoins Big Valley to the northwest. The Hugger-Buck-MT claims represents part of the mineral tenures that have been acquired by Big Valley for their potential of hosting porphyry copper and/or gold deposits similar to the Mount Polley and QR deposits, and extensive exploration, not including much drilling, has been carried out on the Hugger claim group. (Dome exploration 1985.) Extensive soil anomalies in gold and copper has been outlined.



MINERAL RESERVE
O/C 641
30 MAR 20
NO STAKING

ALSO
MAC 1
337994
30 OCT 2008

MINERAL RESERVE
O/C 2387
30 OCT 29
NO STAKING

BIG VALLEY RESOURCES INC.	
HUGGER CLAIMS CLAIM MAP	
0 1 2 3 KM.	
SCALE 1:50,000	DATE: OCT. 1999
DRAWN BY: E.L.	FIGURE NO. 2

N.T.S. 93A-12

GEOLOGY AND MINERALIZATION

Big Valley Resources property is located in a structural feature known as the Quesnel Trough, a 30 kilometre wide, northwest trending volcanic-sedimentary belt of regional extent of Early Mesozoic age. It is fault bounded on the west by Palaeozoic rocks of the Cache Creek Group and on the east by older Palaeozoic and Pre-Cambrian strata.

Locally within the Trough, intrusive rocks, in part coeval to the volcanics occur on cross cutting structures. The Mount Polley intrusions, representing one such centre, are of interest for their potential of hosting porphyry copper/gold mineralization. The QR gold deposit is associated with a pyrite-epidote zone in basaltic breccia, silty sediments and tuff, near an alkalic stock.

Regional geological mapping of the Quesnel Trough in the claims area is taken from work recently completed by Dr. D. Bailey for the British Columbia Department of Mines (Figure 3).

The Hugger claim group governs interesting geology consisting of the favourable Polley Mountain alkalic intrusive which have been mapped following along thrust faults and as stocks intruding silty sediments and basaltic volcanic rocks.

DRILLING PROGRAM

Five reverse circulation rotary drill holes were drilled (Northspan Drilling, Kelowna, BC) to follow up interesting geology and gold values. The drill locations were restricted due to an extreme blow-down of timber across the access roads the previous winter (1998-99). Access to two drill site areas were obtained by forestry permission and a local logger. (The writer counted 50 downed trees across the road in a distance of 100 meters) some easier clearing was carried out by the Company.

Drill holes 99 #1, 2 and 3 were drilled on the Hug #2 MC near the steep slope into the Quesnel River where a sample from an outcrop assayed 3.1 g gold per tonne. Previous drilling (by Dome Exploration Ltd.) in the vicinity also obtained some anomalous gold values.

Chip logging identified probable rhyolite and chert in hole 99#1. Two pyrite rich zone were noted from 36 to 50 metres and from 66 to 94 metres (estim. 4 - 10% pyrite). Holes 99 #2 and #3 intersected probable fine grained light sediments and interpreted dykes (andesitic?). In hole 99 #2 an estimated 4 - 10% pyrite was noted from 64 to 100 metres in the intrusive rocks (dykes?) while the sedimentary(?) rocks in the same section carried 1 - 2% pyrite.

In hole 99 #3 4-8% pyrite was noted from 12 to 18, and 36 - 50 metres.

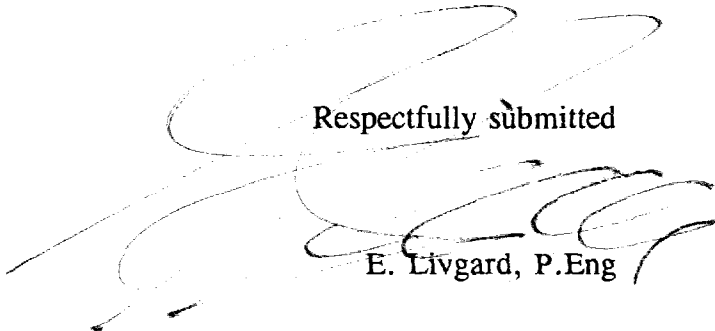
Hole 99 #4 and #5 were drilled 2.5 kilometres further northwest where intrusive rocks were mapped previously and where gold could be panned from the overburden. The rock here were interpreted to be intrusive as mapped (BC Dept. Geol.) although the grain size appeared to be very fine (<1.0 mm?). The mafic content varied from nil to 40% and the magnetic response seemed to approximately correspond to the amount of mafics as very approximately did the pyrite content. The feldspar was frequently altered attaining a green cast and minor epidote was noted. The mafic minerals appeared black.

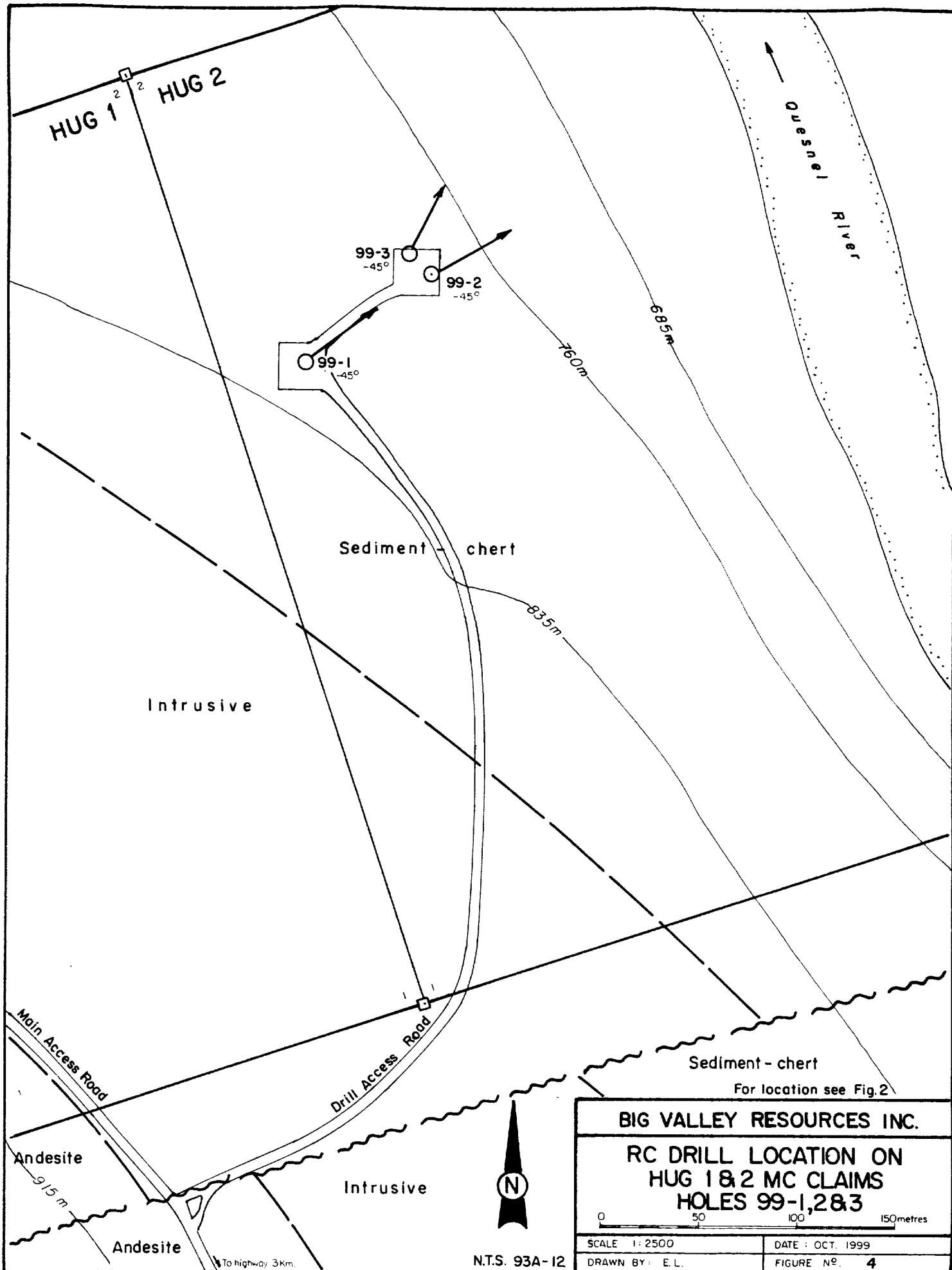
Strong pyrite was noted in hole 99 #4 from 20 to 40 and 48 - 58 metres. Brecciation may have occurred from 56 to 90 metres (end of hole).

STATEMENT OF COSTS

Drilling	July 14-21, 1999 496.8 metres @ \$40.27/metre (all inclusive - includes mob./demob)	\$ 20,006.00
Four (4) Man days clearing existing roads of windfall	4 days K. Tattersall @ \$200/day	800.00
Spotting drill holes - Supervision E. Livgard	4 days @ \$350/day	1,400
Sampler	6 days A. Tattersall @ \$200/day	1,200.00
Three (3) Man days logging drill chips	E. Livgard @ \$350/day	1,050.00
Truck Rental	7 days @ \$60/day	420.00
Travel	Vancouver to Williams Lake to Vancouver	500.00
Report Preparation	2 days E. Livgard @ \$350/day	700.00
		<hr/>
		\$ 26,076.00

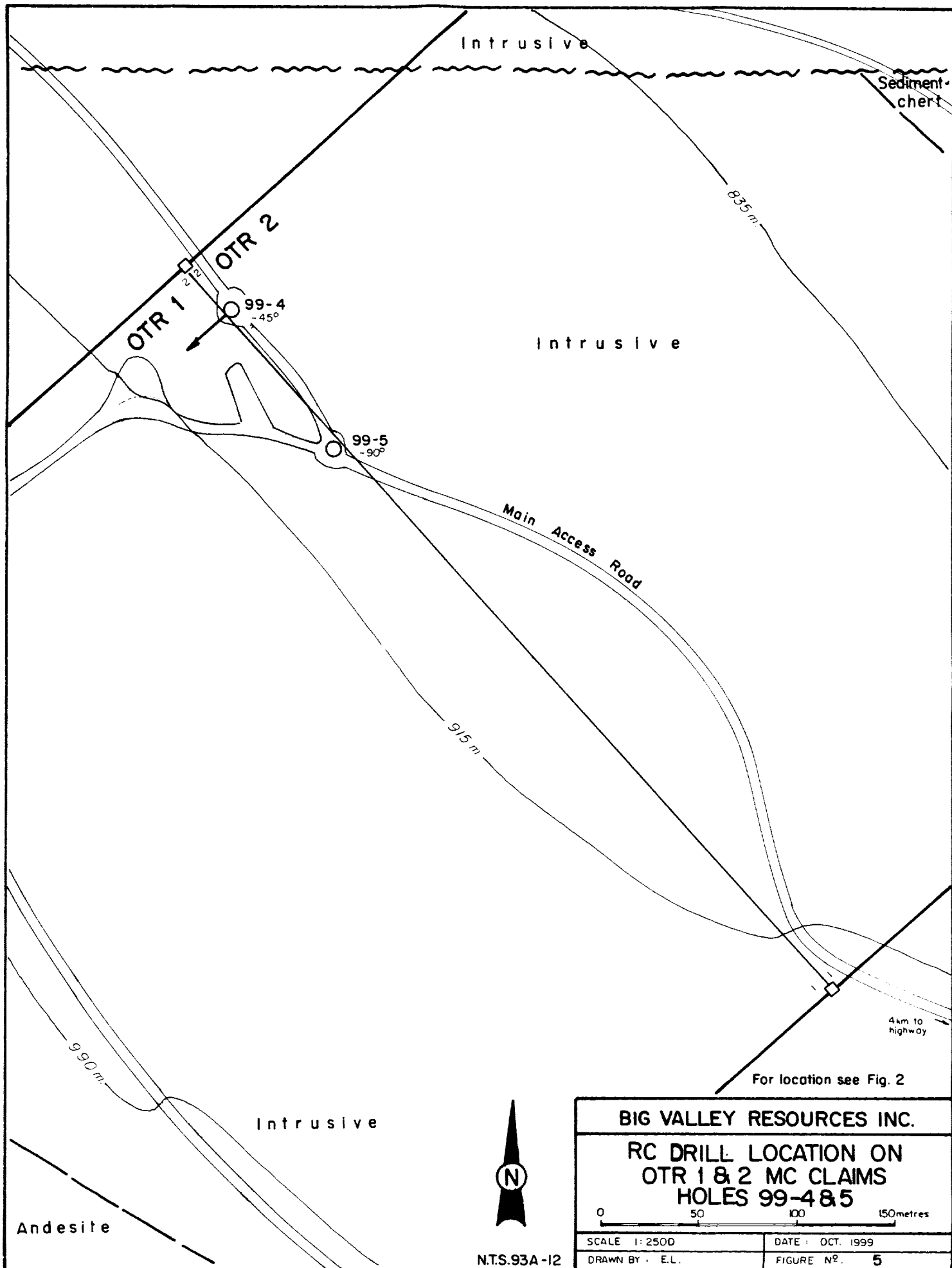
Respectfully submitted


E. Livgard, P.Eng



BIG VALLEY RESOURCES INC.	
RC DRILL LOCATION ON HUG 1 & 2 MC CLAIMS HOLES 99-1, 2 & 3	
SCALE 1:2500	DATE: OCT. 1999
DRAWN BY: E. L.	FIGURE Nº. 4

N.T.S. 93A-12

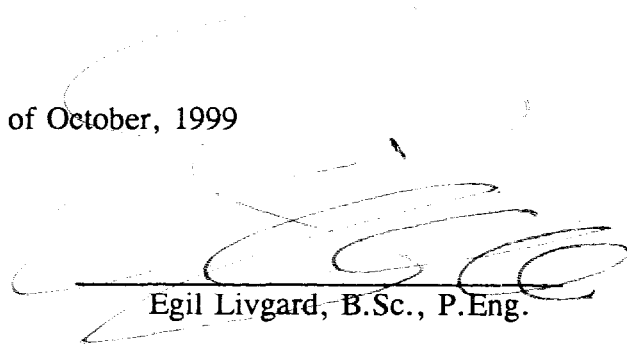


CERTIFICATE

I. EGIL LIVGARD, of 1990 King Albert Avenue, Coquitlam, British Columbia, do hereby certify:

1. I am a Consulting Geological Engineer, practicing from #436 - 470 Granville Street, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia, with a B.Sc., 1960 in Geological Sciences and have regularly updated and expanded my geological knowledge through numerous short courses given by MDRU, GAC and the Chamber of Mines.
3. I am a registered member in good standing of the Association of Professional Engineers of the Province of British Columbia, Registration No. 7236.
4. I have practiced my profession for over 30 years.
5. This report dated October 19, 1999 is based on the references as listed and on the writer's knowledge of the area through numerous visits.
6. I am a Director of Big Valley Resources Inc.

Dated at Vancouver, British Columbia this 19th day of October, 1999



Egil Livgard, B.Sc., P.Eng.

REFERENCES

1. Bailey, David G. (1976): Geology of the Morehead Lake Area, Central British Columbia, BCMEMPR. Notes to accompany Preliminary Map No.20.
2. Bailey, David G. (1987): Geology of the Central Quesnel Belt, Hydraulic, South Central British Columbia (93A/12), BCMEMPR, Geological Fieldwork, 1987, Paper 1988-1.
3. Fox, Peter E., Cameron, R.S.: Geology of the QR Gold Deposit, Quesnel River area, British Columbia, CIM Special Volume 46.
4. Panteleyev, Andre, Hancock, Kirk D. (1988), Quesnel Mineral Belt: Summary of the Geology of the Beaver-Creek-Horsefly River Map Area, BCMEMPR, geological Fieldwork, 1988, Paper 1989-1.
5. Panteleyev, A., Bailey D., Bloodgood, M., Hancock, K., (1996): Geology and Mineral Deposits of the Quesnel River-Horsefly Map Area, Central Quesnel Trough, British Columbia, NTS Map sheets 93 A/5, 6, 7, 11, 12, 13; 93 B/9, 16; 93 G/1; 93 H/4, Bulletin 97.

APPENDIX

Hole 99 #1

Casing Total Depth Angle Azimuth
 6.1 m 106.7 m -60° 60°

Footage	Description	Rock Type
6 to 8 m Sample #309501 in sequence to #309550 at footage 104- 106m	Homogeneous grey with tan cast in macroscopic view - classy grey tan with occasional minute square white crystals(?) (and angular fragments?) seen with microscope	probably a fine grained syenite (weakly magnetic)
8 - 10	As above - minor pyrite	
10 - 12	As above - minor pyrite	
12 - 14	As above - minor pyrite mainly on broken surfaces	
14 - 16	As above - 2% pyrite minor orange feldspar	
16 - 18	As above - 3% pyrite minor orange feldspar	
18 - 20	As above - little pyrite minor orange feldspar	
20 - 22	As above - minor disseminated fine mafic flecks hornblende (secondary biotite)	
22 - 24	As above	
24 - 26	As above	
26 - 28	As above	
28 - 30	As above	
30 - 32	Orange (k) feldspar fragments 80%, and grey fragments 20% with minor mafic (black) specks and laths - very fine grained- 1-2% pyrite	
32-24	As above - orange --- 15% fragments, grey -- 85% fragments	
34 - 36	Grey with green cast very fine grained glassy with minor mafics - 2% pyrite	very fine grained intrusive
36 - 38	As above - fragments 50%, orange (k) feldspar fragments 50%, overall 5% pyrite	36 - 52 pyrite rich zone
38 - 40	As above - increasing mafic in glassy fragments to 5 - 6%	
40 - 42	As above glassy fragments 80%, orange fragments 10%, 6% pyrite	
42 - 44	All glassy fragments 4% pyrite	

Footage	Description	Rock Type
44 - 46	As above - 8% pyrite	
46 - 48	As above - 8% pyrite	
48 - 50	As above - glassy fragments 90%, orange fragments 10%	
50 - 52	As above - glassy fragments with minor mafics, minor orange, 2% pyrite	
52 - 54	As above, no orange fragments, 3% pyrite	
54 - 56	As above	
56 - 58	As above, very minor epidote	
58 - 60	As above, grass green specks (?mariposite) 4% pyrite	
60 - 62	As above, 2% pyrite	
62 - 64	As above	
64 - 66	(As above) glassy (feldspar-quartz?) with strong green cast with 2-4% black mafic laths. Minor orange fragments, 4% pyrite	
66 - 68	As above, 4% orange fragments, 5% pyrite	66 - 94, strong pyrite zone
68 - 70	As above, 20% orange fragments, weak green cast	
70 - 72	As above, 8% pyrite	
72 - 74	As above, 30% orange fragments, 6% pyrite	
74 - 76	As above, 50% orange fragments, 5% pyrite	
76 - 78	As above, 50% orange fragments, 10% pyrite	
78 - 80	As above, 65% orange fragments, 5% pyrite	
80 - 82	As above, 5% orange fragments, 10% pyrite, strong green cast	
82 - 84	As above, 8% pyrite	
84 - 86	As above, 6% pyrite	
86 - 88	As above, 10% orange fragments, 7% pyrite	
88 - 90	As above, 15% orange fragments, 5% pyrite	
90 - 92	As above, 15% orange fragments, 5% pyrite	
92 - 94	As above, 40% glassy fragments without green cast, no orange fragments	

Footage	Description	Rock Type
94 - 96	80% glassy fragments without green cast, 3% pyrite	Chert?
96 - 98	As above	
98 - 100	As above	
100 - 102	As above, weak green cast, minor orange	
102 - 104	As above, 4% pyrite	
104 - 106	As above, moderate green cast, 5% pyrite	
sample #309550	END	

Hole 99 #2

Casing	Total Depth	Angle	Azimuth
6.1 m	104 m	-60°	60°

Footage	Description	Rock Type
Sample 6 - 8 309551	Grey, olive, tan (feldspar-quartz?) very fine grained, 1% disseminated pyrite	probably sedimentary
8 - 10 309552	35% orange (k? feldspar) olive fragments, 60% grey-tan fragments, minor black mafic, minor white fragments, 1% disseminated pyrite	from quartz vein?
10 - 12 309553	As above, 60% orange-olive, 35% grey tan, 1-2% pyrite	
12 - 14 309554	20% orange-olive, 80% grey tan, 2% pyrite	
14 - 16 309555	10% orange-olive, 90% grey tan, 2% pyrite	
16 - 18 309556	85% white glassy with black mafic laths, 5% pyrite, minor black and white fragments	intrusive dykes?
18 - 20 309557	25% white---fragments with 5% pyrite, 75% orange olive fragments with 1% pyrite	sediment?
20 - 22 309558	As for 6 - 8	sediment?
22 - 24 309559	As for 16 - 18	intrusive dykes?

Footage	Description	Rock Type
24 - 26 309560	70% orange tan grey with minor black fragments with 3% pyrite, 20% white classy fragments with 20% mafics, 5% pyrite	
26 - 28 309561	orange --- 35% with 2% pyrite, 60% white glassy with 20% mafics, 5% pyrite, 10% white grey (Quartz)	
28 - 30 309562	orange 5%, 95% white glassy fragments with green cast and 10-20% black mafics and 4% pyrite, very fine grained	28 - 44 dyke?
30 - 32 309563	As above - no orange fragments	
32 - 34 309564	As above	
34 - 36 309565	As above	
36 - 38 309566	As above	
38 - 40 309567	As above - less green cast	
40 - 42 309568	As above - appears higher % mafics, fine grained - no green cast	
42 - 44 309569	As above (more like 38 - 40)	
44 - 46 309570	As for 28 - 30	
46 - 48 309571	As above, 10% Homogeneous tan fragments	
48 - 50 309572	20% as for 28 - 30, 80% as for 6 - 8	
50 - 52 309573	10% as for 28 - 30, 90% as for 6 - 8	
52 - 54 309574	100% as for 6 - 8	sediment?
54 - 56 309575	60% fragments grey weak green cast little mafic, 4% pyrite, 40% fragments as for 6 - 8 more mud in the sample	dyke and sediment(?) fault(??)
56 - 58 309576	5-10% with grey weak green cast with 10% mafics, 90% as for 6 - 8 with 1% pyrite	
58 - 60 309577	As above, 2% pyrite	

Footage	Description	Rock Type
60 - 62 309578	As above, 3% pyrite	
62 - 64 309579	As above, 3% pyrite	
64 - 66 309580	80% as for 6 - 8, 20% glassy green cast with 10% mafics, 5-10% pyrite	64 - 100 strong pyrite zone
66 - 68 309581	60% as for 6 - 8, 40% fragments glassy ---	
68 - 70 309582	15% as for 6 - 8, 85% glassy -- strong green cast with 20-25% mafics with 10% pyrite	
70 - 72 309583	As above (none as for 51) 6% pyrite	
72 - 74 309584	As above, 5% pyrite	
74 - 76 309585	As above	
76 - 78 309586	As above	
78 - 80 309587	As above	
80 - 82 309588	As above, 8% pyrite	
82 - 84 309589	85% as above, 6% pyrite and minor epidote, 15% fragments as for 6 - 8 with 2% pyrite mainly on fractures	
84 - 86 309590	20% as above with 1% epidote and 8% pyrite, 80% as for 6 - 8 with 2% pyrite	
86 - 88 309591	As above	
88 - 90 309592	As for 82 - 84	
90 - 92 309593	50% glassy strong green cast with 15% mafics as black laths (some biotite books and/or hornblende), minor epidote, 6% pyrite, 50% fragments of tan fine grained with 2% pyrite	sediment?
92 - 94 309594	As above, 90% glassy---, 10% tan fragments	
94 - 96 309595	100% glassy---, some feldspar alteration, minor oxide	possible fault

Footage	Description	Rock Type
96 - 98 309596	100% glassy - unaltered look	
98 - 100 309597	As above	
100 - 102 309598	20% as above, 80% tan very fine grained, 1% pyrite	
102 - 104 309899	5% glassy---, 95% tan very fine grained 1% pyrite	sediment
	END	

Hole 99 #3

Casing 12.2 m Total Depth 90 m Angle -60° Azimuth 30°

Footage	Description	Rock Type
12 - 14 309601	grey greenish glassy (Quartz?feldspar?) with 8% pyrite on fractures and disseminated - very fine grained	chert? Rhyolite?
14 - 16 309602	As above	
16 - 18 309603	As above, decreasing pyrite	
18 - 20 309604	As above, minor pyrite	
20 - 22 309605	As above with a few laths of black-green(!) crystals	
22 - 24 309606	As above - specks of epidote	
24 - 26 309607	As above	
26 - 28 309608	As for 12 - 14	
28 - 30 309609	As for 12 - 14 with 4% pyrite	
30 - 32 309610	As for 12 - 14, possible quartz grains	sediment?

Footage	Description	Rock Type
32 - 34 309611	As above	
34 - 36 309612	As above	
36 - 38 309613	glassy grey white greenish (feldspar?) fragments with 8% pyrite	36 - 50 - strong pyrite zone
38 - 40 309614	As for 12 - 14 (grainy?)	
40 - 42 309615	As for 12 -14	
42 - 44 309616	70% as for 12 - 14, 30% darker fragments which are white greenish with black crystal laths (dyke?)	
44 - 46 309617	As for 38 - 40	
46 - 48 309618	As for 38 - 40	
48 - 50	Glassy grey greenish (quartz feldspar) with black laths (10-20%), 10% pyrite	
50 - 52 309620	As above, and a few grey fragments (as for 6 - 8) with minor pyrite	
52 - 54 309621	mostly as 6 - 8, minor as for 48 - 50	
54 - 56 309622	half and half as for 12 - 14, 48 - 50	
56 - 58 309623	As above with little pyrite	
58 - 60 309624	As above	
60 - 62 309625	As above	
62 - 64 309626	As above	
64 - 66 309627	As above	
660-068 309628	As for 12 - 14 with minor disseminated pyrite	
68 - 70 309629	As above	

Footage	Description	Rock Type
70 - 72 309630	As above	
72 - 74 309631	As above	
74 - 76 309632	Glassy white (quartz-feldspar) with black laths (hornblende?) non oriented, 2-4 % pyrite	
76 - 78 309633	As above with strong orange coloured (k) feldspar, 1mm crystal size	
78 - 80 309634	As above	
80 - 82 309635	As above with 60% orange (k?) feldspar 20% black hornblende 15 % quartz(?), 5 % plagioclase(?) 1 % disseminated pyrite	
82 - 84 309636	As above	
84 - 86 309637	As above, less orange feldspar	
86 - 88 309638	As above, less orange feldspar	
88 - 90 309639	As above, minor orange feldspar	
	END	

Hole 99 #4

Footage	Description	Rock Type
sample 6 - 8 309651	Fragments are white glassy feldspar-quartz with minor orange (k?) feldspar and 20% green mafics, crystals are 1mm or less! 3-4% disseminated pyrite	intrusive 6 - 20 relatively highly magnetic (very fine grained magnetite)
8 - 10 309652	As above - some Fe oxide coating	
10 - 12 309653	As above, no oxide, 30% orange feldspar	

Footage	Description	Rock Type
12 - 14 309654	As above, no oxide, 50% orange feldspar	
14 - 16 309655	As above	
16 - 18 309656	As above	
18 - 20 309657	As above	
20 - 22 309658	As above, minor orange feldspar more pyrite (5-6%)	20 - 26 less magnetic
22 - 24 309659	As for 20 - 22	
24 - 26 309660	As for 20 - 22, minor epidote	
26 - 28 309661	As for 10 - 12	26 - 38 relatively highly magnetic
28 - 30 309662	As for 10 - 12, more pyrite (5-8%)	
30 - 32 309663	As for 10 - 12, more pyrite (5-8%)	
32 - 34 309664	As for 10 - 12, more pyrite (5-8%)	
34 - 36 309665	As for 10 - 12, more pyrite (5-8%)	
36 - 38 309666	As for 10 - 12, mafics 30%, more pyrite (5-8%)	
38 - 40 309667	As for 10 - 12, 15% orange feldspar less mafics, a few black fragments	minor magnetic
40 - 42 309668	As for 10 - 12, 40% orange feldspar, less mafic more altered feldspar	
42 - 44 309669	As for 10 - 12, 40% orange feldspar, less mafic more altered feldspar	
44 - 46 309670	As above, 10% orange feldspar, minor mafics, 2-3% pyrite	44 - 48 slightly magnetic
46 - 48 309671	light coloured feldspar-quartz, minor orange, minor mafics, 1-2% pyrite	
48 - 50 309672	As above with 20% mafics (5% pyrite?)	48 - 56 quite highly magnetic

Footage	Description	Rock Type
50 - 52 309673	As above with 30% mafics some (secondary?) biotite	
52 - 54 309674	As above with 40% mafics, grain size less than 1/2mm	
54 - 56 309675	As above	
56 - 58 309676	As above, some fragments have high (15%) pyrite very very fine grained	56 - 90 breccia?
58 - 60 309677	As above, a few dark fragments (matrix) with angular (quartz?) fragments embedded in the matrix	Breccia?
60 - 62 309678	As above, irregular mafic 40% 15% orange feldspar	
62 - 64 309679	As above	
64 - 66 609680	As above	64 - 90 highly magnetic
66 - 68 309681	As above with 25% orange feldspar less pyrite	
68 - 70 609682	As above	
70 - 72 309683	As above (very very fine grained magnetite?)	
72 - 74 309684	As above, minor orange feldspar	
74 - 76 309685	As above, 10% minor orange feldspar	
76 - 78 306986	As above 15% orange feldspar	
78 - 80 309687	As above, 10% orange feldspar	
80 - 82 309688	As above, 10% orange feldspar	
82 - 84 309689	As above 5% orange feldspar	less magnetic
84 - 86 306990	As above, 30% orange feldspar	
86 - 88 306991	As above, 30% orange feldspar, 3-5% pyrite	

88 - 90 As above, 15% orange feldspar, 1-3% pyrite
306992

END

Hole 99 #5

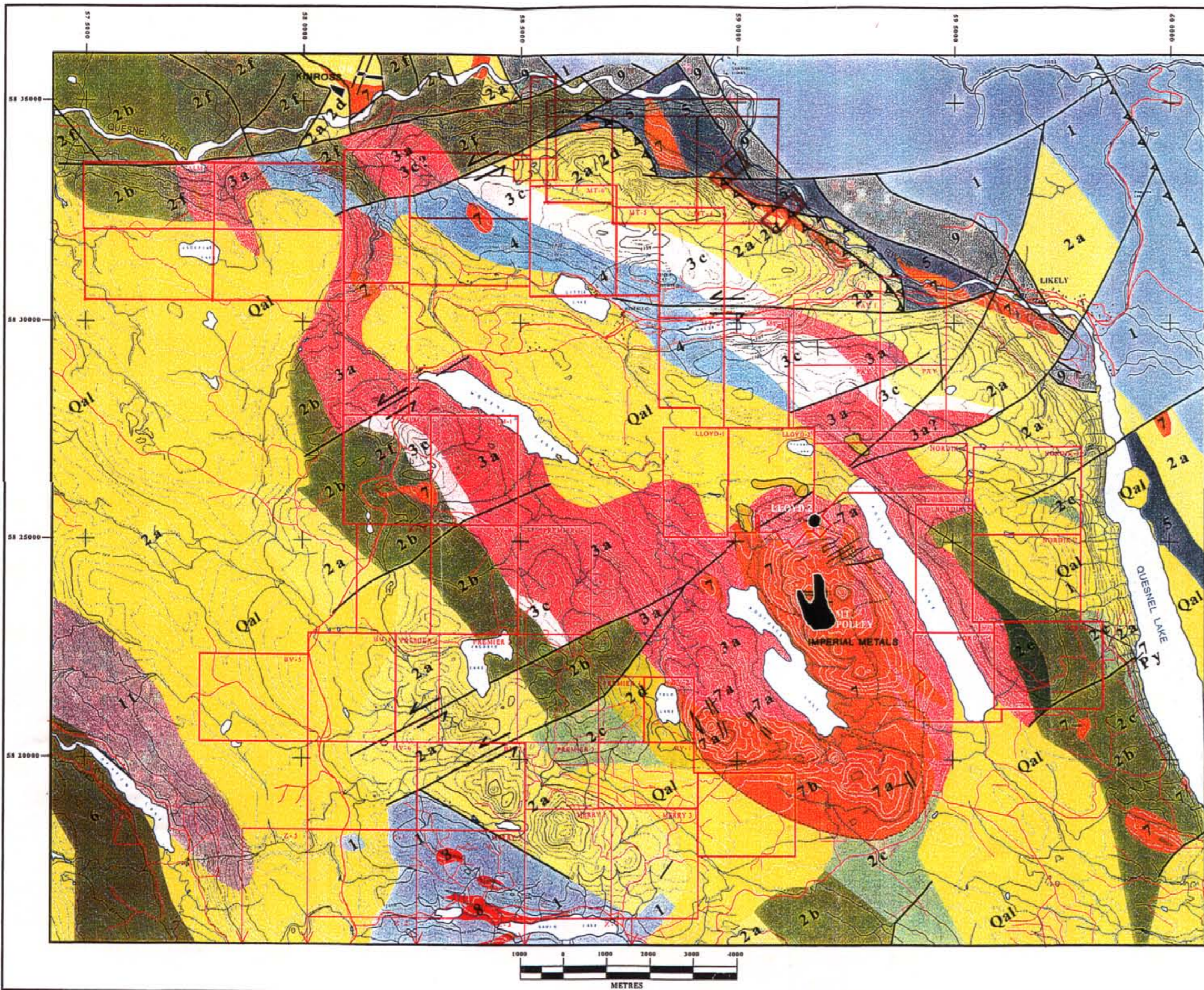
Casing 6.1 m	Total Depth 108 m	Angle vertical	Azimuth -
Footage	Description	Rock Type	
6 - 8 309701	In hand lense: very fine grained, dirty grey olive coloured In microscope: glassy greasy altered feldspar - minor pyrite	Rhyolite? 6 - 16 not magnetic	
8 - 10 309702	As above		
10 - 12 309703	As above with 20% brownish orange (k) feldspar, 1% pyrite		
12 - 14 309704	As above with minor black mafic		
14 - 16 309705	As above with 5% orange feldspar		
16 - 18 309706	White glassy feldspar-quartz, minor greasy olive brown minor mafics, 1% pyrite	16 - 30 little magnetic	
18 - 20 309707	As above with 10-20% mafic, minor pyrite (andesite?)		
20 - 22 309708	As above extra fine grained (< ¼mm)		
22 - 24 309709	As above		
24 - 26 309710	As above, 20-30% mafic 1% pyrite		
26 - 28 309711	As above		
28 - 30 309712	As above, 20% black fragments		
30 - 32 309713	40% As above, 10% black fragments 50% dirty brown (secondary biotite?) grey olive coloured	30 - 40 moderate mag	
32 - 34 309714	As above		
34 - 36 309715	As above		

Footage	Description	Rock Type
36 - 38 309716	5% white classy with 20% mafic laths, 10% black fragments 10% dirty brown olive, 55% white tan glassy feldspar quartz 1% pyrite	
38 - 40 309717	60% white glassy fragments with 20% mafics, 15% dirty brown (biotite?) olive (feldspar), 25% white tan feldspar quartz, 1% pyrite	
40 - 42 309718	80% white glassy fragments with 20% mafic 5% dirty olive feldspar, 15% white tan feldspar quartz, 1% pyrite	little magnetic
42 - 44 309719	25% white with mafic, 75% white tan	
44 - 46 309720	45% white with mafic, 15% white tan and 40% dirty brown olive with 10% mafic	44 - 108 andertite dykes? quartz veins? breccia?
46 - 48 309721	55% white with mafic, 15% white tan and 30% dirty brown olive, 1-2% pyrite	
48 - 50 309722	60% white with mafic, 35% white tan and 5% dirty brown olive, 2% pyrite	
50 - 52 309723	85% white with 30% mafic, 10% white tan 5% dirty brown olive, 2% pyrite	50 - 108 moderate magnetic
52 - 54		
54 - 56 309724	35% white with 25% mafic, 20% white tan 45% dirty brown olive, 1% pyrite	
56 - 58 309725	75% white with mafic, 10% white tan, 15% dirty brown olive, 1% pyrite	
58 - 60 309726	95% white with 20-30% mafic	
60 - 108 309750	As above with variable (Ni to 10%) tan to orange feldspar and minor olive dirty brown (biotite) 1% pyrite disseminate throughout	
	END	

A very very fine grained metallic mineral scattered throughout was interpreted to be magnetite.

In hole 99 #5 the magnetic response was less and the pyrite content was distributed throughout and varied between 1 and 2%. High variations of different type chips suggested

that breccias may occur particularly between 44 and 108 metres (the end of the hole).
Secondary(?) biotite was interpreted throughout the hole.



LEGEND

INDEX CONTOUR
 INTERMEDIATE CONTOUR
 LAKE
 STREAM / RIVER
 CUT LINE
 PAVED ROAD
 GRAVEL ROAD
 ROUGH ROAD
 CLAIM 100% OWNED
 ASSOCIATED CLAIM
 FOLDING
 GEOLOGICAL CONTACT
 THRUST FAULT
 FAULT
 FAULT, LATERAL MOVEMENT
 GENERALIZED INTRUSIVE RUBBLE
 URBAN DEPOSITS

SEDIMENTARY AND VOLCANIC ROCKS

PLEISTOCENE - RECENT

Qal Unconsolidated glacial, fluvial and lacustrine deposits (gravel, sand, silt and clay)

TERTIARY

1 Maroon and gray vesicular alkali olivine basalt flows, breccia

CRETACEOUS

9 Gray to olive conglomeratic; dark gray mudstone, sandstone; distinctive orange weathering carbonate matrix

6 Gray and maroon psyllitic siltstone and pebble conglomeratic; shale, siltstone, sandstone; minor rhyolite

5 Gray siltstone and sandstone, massive to well bedded commonly psyllitic calcareous

4 Maroon amygdaloidal and vesicular olivine pyroxene basalt breccias and flows

3c Felsophitic tuffaceous siltstone sandstone, minor volcanic breccia

3b Lathite crystal tuff, tuff breccia and tuffaceous sandstone, minor lathite flow breccia

3a Maroon and gray psyllitic volcanic breccia, characterized by the presence of felsic clasts

TRIASSIC

2f Dark brown to gray and gray-green mafic sandstone, siltstone, calcareous siltstone and sandstone, limestone

2e Dark green and maroon analcime-bearing pyroxene basalt flows and breccia; locally crystal and siltstone tuff

2d Greenish-gray to maroon hornblende bearing pyroxene basalt

2c psyllitic maroon and gray basalt breccia with rare to absent felsic clasts

2b Maroon and gray micritic alkali basalt flows, breccia, minor maroon and dark green basalt siltstone tuff

2a Green and gray pyroxene-phylic alkali olivine and althaxite alkali basalt flows, breccia, minor pillow basalt

1 Dark gray and brown sandstone, siltstone, shale, micaceous, psyllitic rock

INTRUSIVE ROCKS

8 Medium to coarse grained, hornblende granodiorite and quartz monzonite

7b Medium to coarse grained, hornblende and/or pyroxene bearing, nepheline syenite, orthoclase in part

7 Pink and gray, medium to fine grained diorite, monzonite, syenite

7a Gray, medium grained equigranular to porphyritic quartz diorite granodiorite/monzonite batholith in part

Big Valley Resources Inc.

GEOLOGY MAP

Drawn: J.D.	Checked: E.L.	Scale: 1:50 000	Drawing: BVGEOLOG.DWG
Date: JAN, 1987	Revised:	Province: BRITISH COLUMBIA	NTS: 93A/11.12W