

LOG NO: 10-24	RD.
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A DIAMOND DRILLING REPORT

ON

THE KEY GROUP OF MINERAL CLAIMS

N.T.S. SHEET 92I/2W 92I/3E

LATITUDE: 58° 13' N

LONGITUDE: 121° 00' W

OWNED BY

BETTER RESOURCES LIMITED

SUB-RECORDER RECEIVED	
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VANCOUVER, B.C.	

PREPARED BY

CLIFFORD C. RENNIE, P.Eng.

VANCOUVER, BRITISH COLUMBIA

GEOLOGICAL BRANCH
ASSESSMENT REPORT

SEPTEMBER 1990

675
20,349

**A DIAMOND DRILLING REPORT
ON
THE KEY GROUP OF MINERAL CLAIMS**

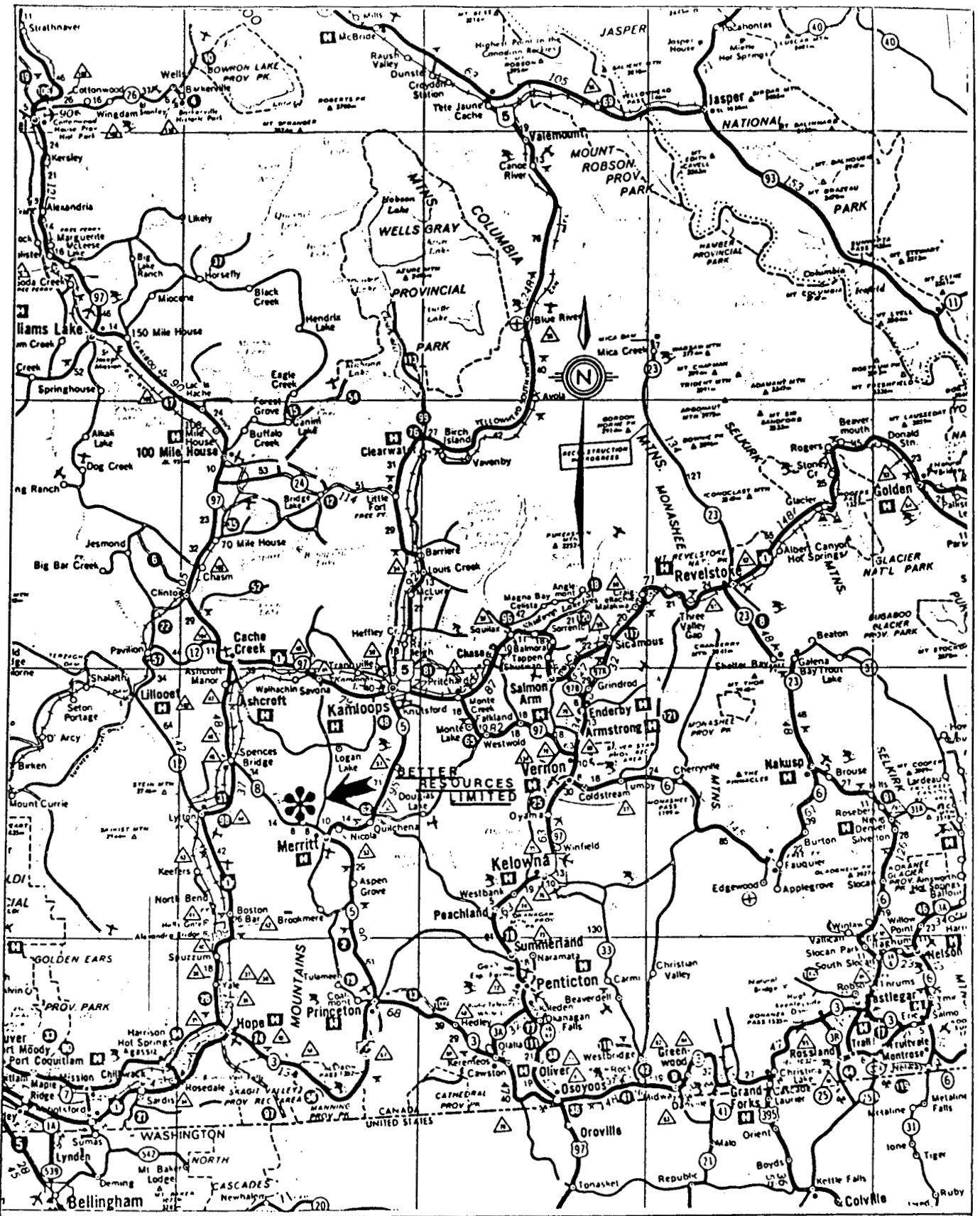
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IN POCKETS

Diamond Drill Hole Log 90-1 & 90-2

Diamond Drill Hole Plan & Section - Figure 4



BETTER RESOURCES LIMITED
INDEX MAP

SCALE 1 : 880,000

SEPTEMBER, 1990

FIGURE 1

C. C. RENNIE P. Eng.

SUMMARY AND CONCLUSIONS

The Key Group of mineral claims owned 100% by Better Resources Limited covers the westward extension of the Guichon Batholith - Nicola Series contact from the Craigmont Mines Ltd. property. Limestone and impure limestone of the Nicola Series which host the Craigmont copper-iron orebodies dip toward the batholith on the Key Group and could host Craigmont-type orebodies at depth.

Previous mapping, geophysics and drilling has indicated that the favourable contact extends the length of the Key Group claims but has not been tested at depth below 300 m below surface. Since the Craigmont orebodies were steeply dipping within a relatively narrow contact aureole it can be expected that an extensive drilling program may be required to find ore on the Key Group if it exists.

Two BQ diamond drill holes totalling 629.9 m were drilled in between May 30 and June 12, 1990 to explore a cross-section 140 m east of two previous holes that cut Nicola limestone. Holes 90-1 and 90-2 both cut a thick sequence of limestone and limy rocks dipping approximately 45° northwesterly overlain and underlain by Nicola volcanoclastics and neither hole intersected Guichon intrusive, indicating that the contact lies at depth to the north. Limestone in both holes was recrystallized indicating that the holes are within the alteration aureole. Only minor chalcopyrite mineralization was intersected in narrow breccia zones in the limestone.

Further drilling to the north is justified on this section to explore the limestone-batholith contact and to search for ore controlling structures. Once this section is completed, other sections should be drilled to the east at a minimum of 200 m spacing.

INTRODUCTION

This report contains the results from the two drill hole programs on the Betty claim (2S, 1E) to test the northwest dipping limestone for structure, alteration and mineralization.

Previous reports by J.F. Bristow, P.Eng. have been submitted for assessment work and sections on Location and Access, Topography and Climate, and History have been copied to this report with his permission.

LOCATION AND ACCESS

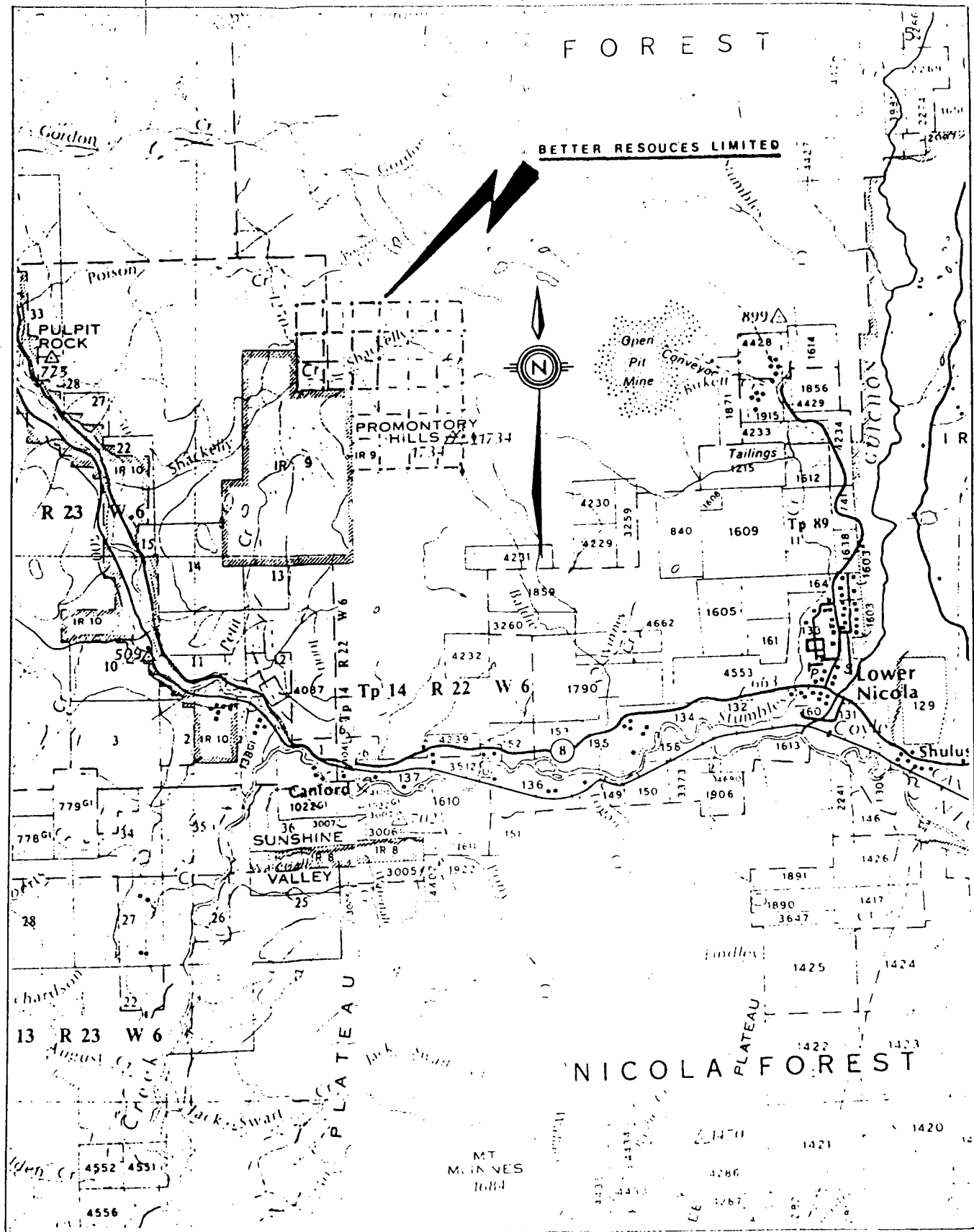
The Key Claim Group is located near the headwaters of Shackelly Creek and lies between the Forestry Lookout on Promontory Hills and Indian Reserve No. 9. The centre of the claim group is approximately 4 kilometres west of the Craigmont Open Pit (Figure 2).

Numerous inter-connecting gravel logging roads provide access to the property. The most direct route is from Lower Nicola (14 km) via the Aberdeen/Stumbles Creek main roads. On property access is also provided by skid roads, cut lines and cattle trails.

TOPOGRAPHY AND CLIMATE

Elevations on the property range between 1,025 metres and 1,700 metres. Local topography is moderate, however, a 50 metre deep channel containing Shackelly Creek cuts southwest through the area. In general, south and west facing slopes are sparsely wooded with ponderosa pine while north facing slopes are heavily wooded with spruce, lodgepole pine and alder.

Climate is typical interior Plateau. Most precipitation occurs as snow during the cold winter months. Snow-free exploration work can usually be conducted from mid-April to mid-November.



BETTER RESOURCES LIMITED
AREA MAP

SCALE 1:100,000

SEPTEMBER, 1990 FIGURE 2

C. C. RENNIE P. Eng.

HISTORY

The area currently covered by the Gus, Number Four and Fox Claims was in part previously held by Torwest Resources (1962) Ltd. (Marb Claims). Early work consisted of geological mapping and widely spaced ground magnetics followed by limited drilling of the magnetic anomalies associated with the basaltic/andesitic volcanic rock units.

The area currently covered by the Betty Claim was originally staked in 1957 by Placer Development Ltd. following the discovery of Craigmont Mines. After extensive magnetometer and I.P. surveys, five surface diamond drill holes were completed. Placer relinquished the claims in 1975. Detailed geological mapping and an additional magnetometer survey were completed in 1975 and 1976. The area was restaked as the Betty Claim in 1976 under the modified grid. In 1978, Craigmont Mines Limited optioned the Betty Claim and drilled two surface diamond drill holes totalling 992.7 metres. This option was terminated in May 1981.

In the fall of 1981, under the direction of Better Resources Limited, a magnetometer survey and geological mapping program were conducted on the Gus Claim. This work resulted in the discovery of a skarn zone north of Shackelly Creek. In 1987, three surface diamond drill holes totalling 227.1 metres were drilled to further test the economic potential of this skarn zone.

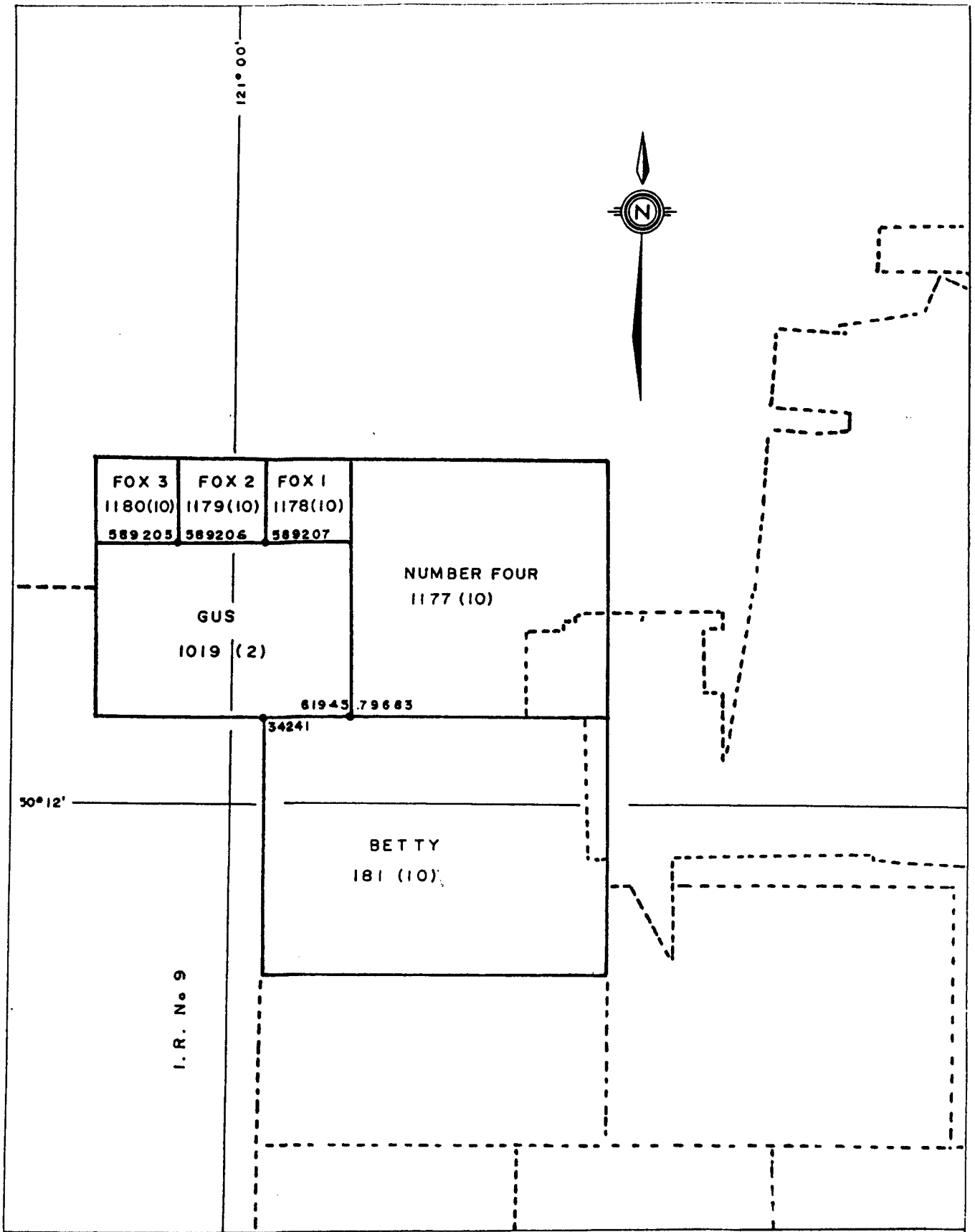
In 1988, a -72° south hole was drilled on the Betty Claim (2S, 1E) beneath a previous -45° south hole drilled by Craigmont to check the attitude and continuity of the limestone and to search for mineralization closer to the contact. The limestone was intersected but no ore grade mineralization was found.

PROPERTY DESCRIPTION

The Key Claim Group owned by Better Resources Limited of Vancouver, British Columbia is composed of the following contiguous two-post and modified grid mineral claims as shown in Figure 3.

<u>Claim Name</u>	<u>Units</u>	<u>Record Date</u>	<u>Record No.</u>	<u>Valid to*</u>
Gus	6	27 Feb 1981	1019	27 Feb 1998
Number Four	9	9 Oct 1981	1177	9 Oct 1998
Fox #1	1	9 Oct 1981	1178	9 Oct 1998
Fox #2	1	9 Oct 1981	1179	9 Oct 1998
Fox #3	1	9 Oct 1981	1180	9 Oct 1998
Betty	12	5 Oct 1976	181	5 Oct 1998
<hr/>				
Total	30			

* Expire dates were verified by checking the Mineral Title System Computer Data at the Vancouver Mining Recorder's Office on September 6, 1990.



BETTER RESOURCES LTD.

CLAIM MAP

SCALE 1:31,680

SEPTEMBER, 1990

FIGURE 3

C. C. RENNIE P. Eng.

GEOLOGIC SETTING

The Promontory Hill area is underlain by a complex suite of westerly trending, steeply dipping Upper Triassic Nicola Series rocks. These are predominantly basaltic/andesitic fragmentals and volcanic flows, feldspathic greywacke, hornfels and several relatively persistent calcareous bands.

The Nicola series is intruded to the north by the multi-stage Upper Triassic-Lower Jurassic Guichon batholith with an apparent steeply south-dipping (approx. 70°) contact. Several lenses and apophyses of border phase diorite intrude the Nicola Series south of the contact. Quartz feldspar porphyry of indeterminate age intrudes the Nicola Series south of the main batholith contact and appears to have irregular shape and gradational contacts.

Agglomerates and flow rocks ascribed to Cretaceous Kingsvale age (but possibly Tertiary) form a capping as much as 200+ meters thick over Nicola rocks between the Craigmont Mine site and the top of Promontory Hill and also west of the Betty Claim. Glacial overburden on the north side of Promontory Hill makes locating the boundaries of major rock units difficult.

The Craigmont orebodies approximately 5 km east of the Key Group were 1,000 m long east-west and generally less than 100 m wide and produced 36 million tons at 1.3% copper ore. They were hosted by an actinolite skarn replacement of pure and impure limestone in apparent steeply dipping, easterly-plunging fold structures within the Nicola Series in a contact aureole ranging from close contact to the main Guichon batholith to 200 m away from it. Some of the ore was very high grade chalcopyrite in large lenses, surrounded by lower grade material. An impressive characteristic of the mineralization and alteration was an abrupt upward cut-off against crystalline limestone. This sharp transition can be expected in any further discoveries so lack of ore in any drill hole does not mean that ore cannot be expected nearby in altered rocks.

In the immediate area of the 1988 and 1990 drilling on the Betty Claim there are northeast striking, northwest dipping outcrops of limestone and impure limestone with volcanic fragments approximately 200 m south of 90-1 drill hole. This partially recrystallized limy sequence is traceable intermittently for 400 meters southwest and 600 m to the northeast where large outcrops of limestone occur as a dip slope. Further northeast heavy overburden masks the limestone projection, but one drill hole S113 on the Craigmont property to the east, intersected limestone on projection.

While the outcrop and holes 90-1 and 90-2 (Figure 4) indicate a general moderate northwest dip in true section, holes Can 2 and Can 3, 600 meters east, suggest that the limestone could steepen between these holes as Can 3, the southern hole intersected extensive limestone while Can 2 cut very little limestone. The potential for steeply dipping limestone subparalleling the intrusive contact could provide a large zone of alteration favourable for large ore bodies.

Diorite outcrops to the west of holes 90-1 and 90-2 suggest that the batholith may be truncating the limey rocks to the west. However, this body of intrusive may be an apophysis off the main batholith further north. Shortage of intrusive outcrop has required interpreting the main intrusive contact from magnetometer surveys.

PURPOSE OF PROGRAM

The drill program was undertaken as part of on-going program to explore the favourable rocks and structures within the aureole of the Guichon batholith to find buried Craigmont-type ore bodies. While this may require some extensive deep drilling, the logistics of the property make drilling cost effective.

DISCUSSION OF THE DRILL PROGRAM

Globe Drilling Ltd. of Courtenay, B.C. was contracted to drill the two holes, using a Hydro Core #2 drill with BQ equipment. Crews worked two 12-hour shifts and commuted daily from lodging in Merritt.

Hole collar locations were surveyed by tape and compass from previous hole S115. The drill core is stored in Better's core shed in Merritt, B.C.

Both drill holes cut a sequence of andesitic fragmental before intersecting a limey zone consisting of interbands of limestone and fragmentals that are only generally correlatable from hole to hole. The limestone is generally recrystallized and some epidote skarn was intersected in hole 90-1 near the bottom. Hole 90-2 was continued to 384 m depth, nearly 100 m beyond the last main limestone band as narrow bands of limey rocks persisted and no intrusive was intersected. The volcanic fragmentals generally have a persistent fine biotite alteration.

PROPOSED FUTURE PROGRAM

The presence of a persistent limey horizon within the contact aureole of the Guichon batholith is an attractive exploration target for a Craigmont-type orebody. Up to 3,000 meters additional drilling is warranted to search for high grade buried copper orebodies.

One or two more vertical holes should be drilled 100 m apart north of hole 90-2.

A vertical hole should be drilled between Can 2 and Can 3 to establish the structure of the limestone and pursue it to depth.

Two sections should be drilled between Section 2210 W and Section 1800 W.


C.C. Rennie, P.Eng.

COST STATEMENT

Diamond drilling by Globe Drilling Limited 2,066 ft (629.9 m) at \$23 per foot	\$47,518.00
Supervision and Core Logging by C.C. Rennie, P.Eng. May 28 - June 3 and June 6 - June 13 = 15 days at \$300 per day	4,500.00
Vehicle Rental, Mileage and Tolls	997.00
Sampling and Assaying	90.75
Core Storage	480.00
Report Preparation	300.00
TOTAL	<u>\$54,086.61</u>

Apply \$54,000 to Assessment Work and PAC

Certified Correct:


C.C. Rennie, P.Eng.

QUALIFICATIONS AND CERTIFICATIONS

I, Clifford C. Rennie, of 1943 Boulevard Crescent, North Vancouver, B.C., hereby certify:

1. I am a graduate in Geological Engineering from the University of British Columbia.
2. I am a Professional Engineer registered in the Province of British Columbia since 1955, and am a member of the Canadian Institute of Mining and Metallurgy.
3. I have actively practised my profession in mining geology and mineral exploration since 1950.
4. This report is based on nine year's mine geology and engineering at Craigmont Mine, personal mapping on Promontory Hill and direct logging of the drill core from 90-1 and 90-2 holes.
5. I am a Director and Officer of Better Resources Limited and hold a direct interest in the securities of this company.

DATED at Vancouver, B.C. this 30th day of September, 1990.


Clifford C. Rennie, P.Eng.

DIAMOND DRILL CORE LOG - SAMPLE RECORD

DEPTH	DIP	BEARING AST.
COLLAR	-90°	
152.44 353.66	500 -28	Acid test
	1160 -87	Acid test

PROPERTY KEY GROUP, MERRITT B.C. CLAIM
 LATITUDE 1807.8 N STARTED June 4, 1990
 DEPARTURE 2205.0 W FINISHED June 12, 1990
 ELEVATION 1924.6 TOTAL LENGTH 1260' (384.15m)
Type + Comp. from S-115. Elev by Brunton leveling

LOGGED BY C.G. RENNIE
 CORE SIZE BQ
 SECTION
 HOLE NO. 90-2

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
2.6m 0-10	overburden. Crossing run to (7.62m) 25'									
(2.6m) 10-94	Blocky dacitic fragmental (28.6m) 94 All highly fractured to angular pieces. Longest core 10cm	Limonite staining (3.05 - 28.66m) 10-94								
1007CR	20-25 4' CR, 25-30 1' CR, 30-35 4' CR (8.84m)									
from (10.8m) 35-94	Quartz carbonate filled breccia 29-31 approx. (15.54m) (16.71m) Poor bonding @ 45° CA @ 51' & 55' (28.6m) (20.73m)									
(28.6m) 94 -	strangy limonite staining to 68' More competent core with pieces 5-15cm and moderate limonite fractures from 68-94. Qtz vein 91 Andesitic fragmental. Clasts up to 1cm. Core 10 to 40cm Poor bonding @ 45°. Sections disseminated pyrite of brown biotite coloration, some green alteration. Sp. Epidote @ 130'	Fine fresh pyrite (mm) mostly on fractures but some fine dissemination 1-2% very fine disseminated pyrite								
E-700										

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,349

DIAMOND DRILL CORE LOG -- SAMPLE RECORD

PROPERTY

HOLE No. 90-2 Page No. 2 of 14

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	(46.93m) Patch epidote @ 15'4"									
	Some 2cm granitic appearing clasts									
	(50.45m) - (51.22m) 16.5.5 - 169 Quartz carbonate									
	veining + rusty stain.									
(52.6m) 172.5	Interbanded black siltstone and	up to 5% fine								
(59.8m) 176	fine grained red grey grey wacke	banded pyrite in								
	(57.36 - 59.15m) Banking generally 45° CA 175-195	black siltstone bands								
107.0	(54.88 - 57.93m) Pink alteration 180-190 may	as early pyrite								
	be hematization	late pyrite on								
	Breccia with quartz carbonate	fractures								
	(56.70 - 56.88m) concent 186-186.5									
(59.8m) 196	Gregwicks, medium to dark grey	Less disseminated								
(75.17m) 240	some sections fragmental.	early pyrite, less								
	Poor banding. some biotite colour	late pyrite								
	(58.29m) 1cm qtz vein @ 221.5									
	(69.51 - 69.82m) carbonate veining 228-229'									
	(71.34m) 1cm quartz epidote vein @ 230 CA									
	(72.41 - 72.56m) @ 234'. Bleached @ 237.5-238									
	showing fragmental. Some rust									

DIAMOND DRILL CORE LOG - SAMPLE RECORD

PROPERTY KEY GP, MERRITT, B.C.

HOLE No. 90-2 Page No. 9 of 14

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
(262.05m) 861.5 -	Limestone, generally fine grained, only	2 cm band with dissemin								
(266.16m) 873	30% recrystallized, medium to dark grey banded	pyrrhotite & magnetite a similar 1cm band co								
	(263.72m) (265.24m), (266.16m) (265.55m) Banding @ 52° CA @ 865, 55° @ 870, 20° @ 873	871								
(266.16m) 873 -	Fragmental, partly bleached. Fraggs up to	Two 2mm grains chalc								
(269.82m) 885	5mm. Less than 5% lining in two bands. Some lining cement to fragmental	(267.83m) @ 878.5 with dissemin magnetite - pyrite								
100% CR	Banding @ 45° CA @ 880'	m grit band. Magnetite (269.82m) in grit band @ 885								
(269.82m) 885 -	Limestone, fine to medium grained. 30%	Disseminated magnetite								
(275.76m) 904.5	recrystallized. Light to dark grey banded	(270.73m) in grit bands @ 888								
100% CR	A few white crystalline streaks. (269.82 - 275.61m) Banding @ 45° to 53° CA 885-904 with some concretion.	(273.78 - 274.54m) @ 890-900.5								
(275.76m) 904.5 -	Fragmental to mostly grit. Bleached and	1% fine disseminated								
(279.88m) 918	silicified Banding mostly @ 55-60° CA	pyrite								
100% CR	Lower contact @ 60' CA possibly faulted - graphitic									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY KEY COP, MERRITT BC

HOLE No. 90-2

Page No. 10 of 14

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
(279.80m) 918 -	Limestone, fine grained, dark grey	very fine chert opacite								
(287.80m) 944	to black, carbonaceous, only 10% recrystallized. 50% recrystallized	following banding and occasionally	45676	(280.12m) 918.8	(280.53m) 920.2	(.43m) 1.4	<.01		<.001	<.01
1007CR	Banding generally 60° CA	transmissive veinlets	45677	(282.01m) 925	(282.62m) 927	(.61m) 2.0	<.01		<.001	<.01
			45678	(284.76m) 934	(285.67m) 937	(.91m) 3.0	<.01		<.001	<.01
			45679	(285.82m) 934	(285.97m) 937	(.15m) 0.5	<.01		<.001	<.01
(287.80m) 944	Fragmental, bleached, some limy spots									
289.63 950	and interbeds. Feb green alteration	very little sulphid,								
1002CR	Concrite on 946. Some biotite	even on fractures								
(289.63m) 950	Andesite fragmental. All partially bleached. 50% biotite alteration.									
(317.38m) 1041	very competent rock. Some pieces over 1m long									
1007CR	1m long 950-1020									
	Band banding gives impression of 50°-60° CA									
	from 950-980									
	Quartz vein with epidote at right angle to banding									
	at 1004-1004.5. Silicified with epidote									
	80% bleached 1007.5-1020. silicified									
	1025-1026a5. Epidote streaks									

DIAMOND DRILL CORE LOG - SAMPLE RECORD

PROPERTY KEY COPPER, MERRITT B.C.

HOLE No. 90-2

Page No. 13 of 14

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
	Argillaceous interbed with pink green (359.30 - 359.76m) alteration 1178.5 - 1180									
	Quartz veins with K-spr selvages (356.40 - 356.71m) (358.23m) 1169 - 1170 & @ 1175									
	30-50% pink green alteration. Variable biotite alteration. (366.92 - 367.22m)									
	skerry fine grained 1203.5 - 1204.5 (367.22m)									
	Andesitic fragments, fine grained (374.08m) 1227 at top (<2m) coarsening downward									
	100% CR little alteration other than biotite very competent rock (10' core stick) (3.05m) (368.90 - 371.95m) 1210 - 1220									
	Banding indistinct									
	(374.08m) 1227 - interbedded argillite fragments and (375.76m) limestone. 1230.5 - 1231.5 is 70% limestone									
	Bi-tilt alteration of argillite & pale green alteration of limy section 374.08m (375.61m)									
	Banding @ 55° CA @ 1227, 65° CA @ 1232									
	Gradual bedding and contacts indicate the rock section is right side up.									

DIAMOND DRILL CORE LOG - SAMPLE RECORD

PROPERTY KEY CP, MERRITT BC.

HOLE No. 90-2

Page No. 14 of 14

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.		
(375.76m) 1232.5	Andesitic to basaltic fragments.	very little pyrite										
(384.15m) 1260	Mostly partly bleached with 10% darker bands. Fragment size generally 5mm up to 10mm.	none on fractures										
	occasional epidote & garnet patches.											
	All quite silicified.											
	Banding generally 60°CA.											
	Two 1cm limestone fragments @ 1259 (383.84m)											
	appear transgressive to banding - may be introduced.											
	End of hole @ 1260. (384.15m)											

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY KEY GP. MERRITT B.C.

HOLE No. 90-1 Page No. 2 of 8

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
(38.4) 126-	pacific fragmental sediment, medium	variably, slightly								
(58.3) 221.5	to dark grey fragments up to .5cm. Bleached magnesian, particularly with K-spar streaks & epidote	near alteration bands								
100% CR	135'-137.5' + 143.5' - 144' core fairly competent, fractures @ 5 to 20cm spacing	< 1% pyrite								
	Indistinct bending @ 95°									
	Bleached 152'-153, 163.5-164.5									
	Increasing actinolite streaks.									
	Bending 35° CA @ 179' 95° @ 187'									
	Sandy section 205.5-206.5									
(58.3m) 221.5-	Greywacke, medium grey, generally	Few grains cherted								
(80.5m) 269.0	fine greenish. Resembles Craigmont north well greywacke. Highly fractured	in zinc carbonate vein @ 222'								
100% CR	@ 2-10cm intervals									
	Fault gouge @ 95° CA	5% epidote & 1% pyrite								
	Numerous thin calcite stringers.									
(80.5m) 269-	limy fragmental, 75% dark greenish									
(85.4m) 280	fragmental & 25% calcite cement. Numerous									
100% CR	recrystallized calcite veinlets & patches									

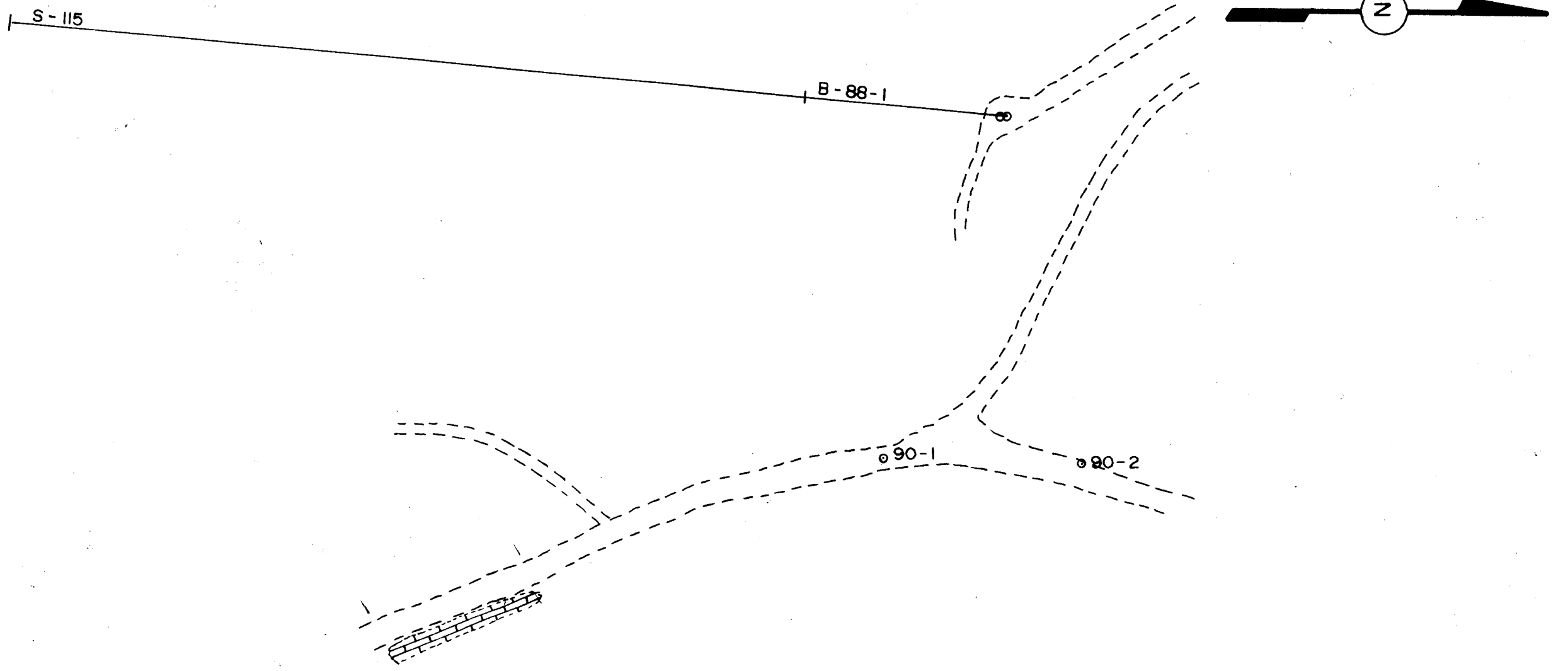
DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY KEY GP MERRITT B.C.

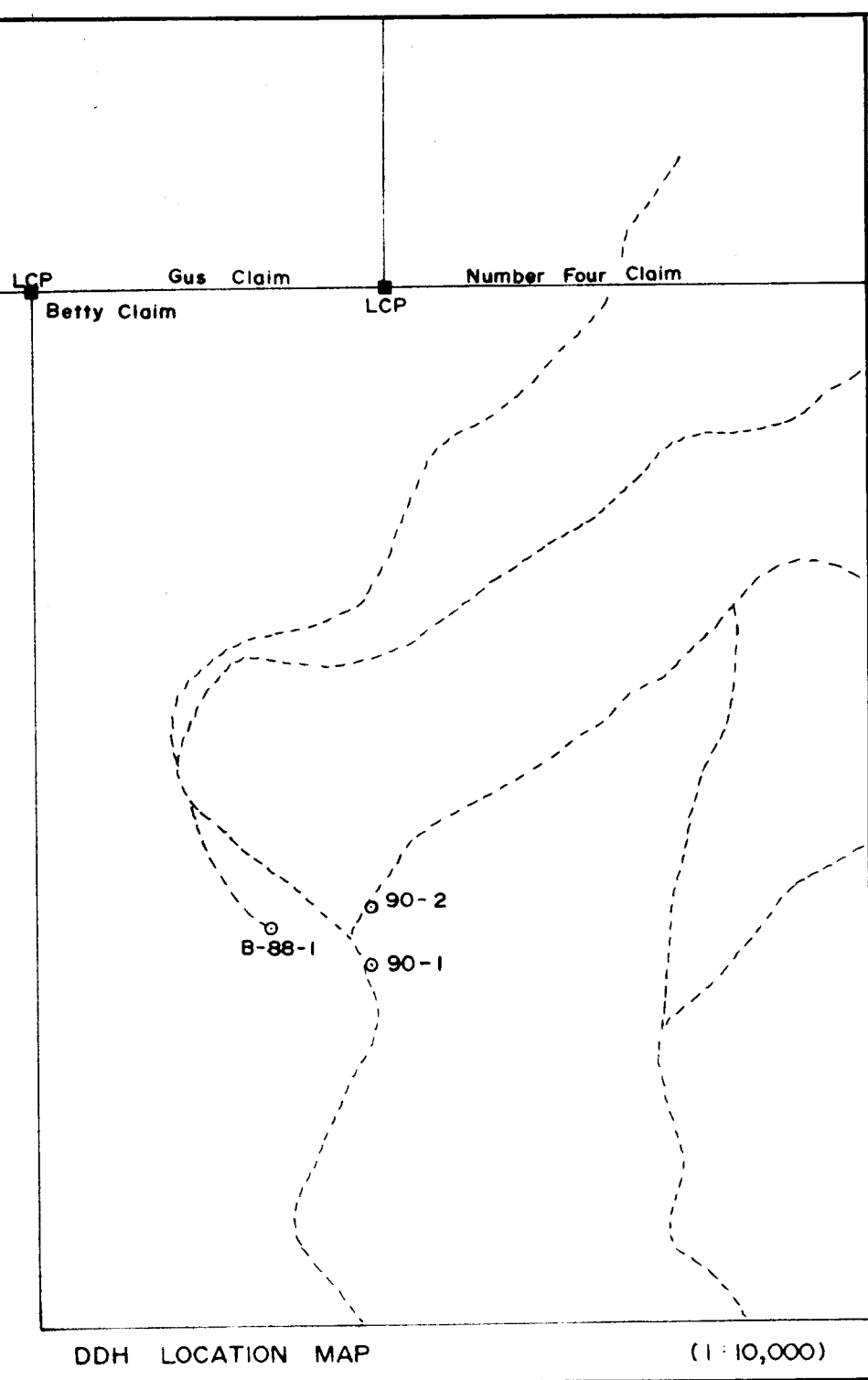
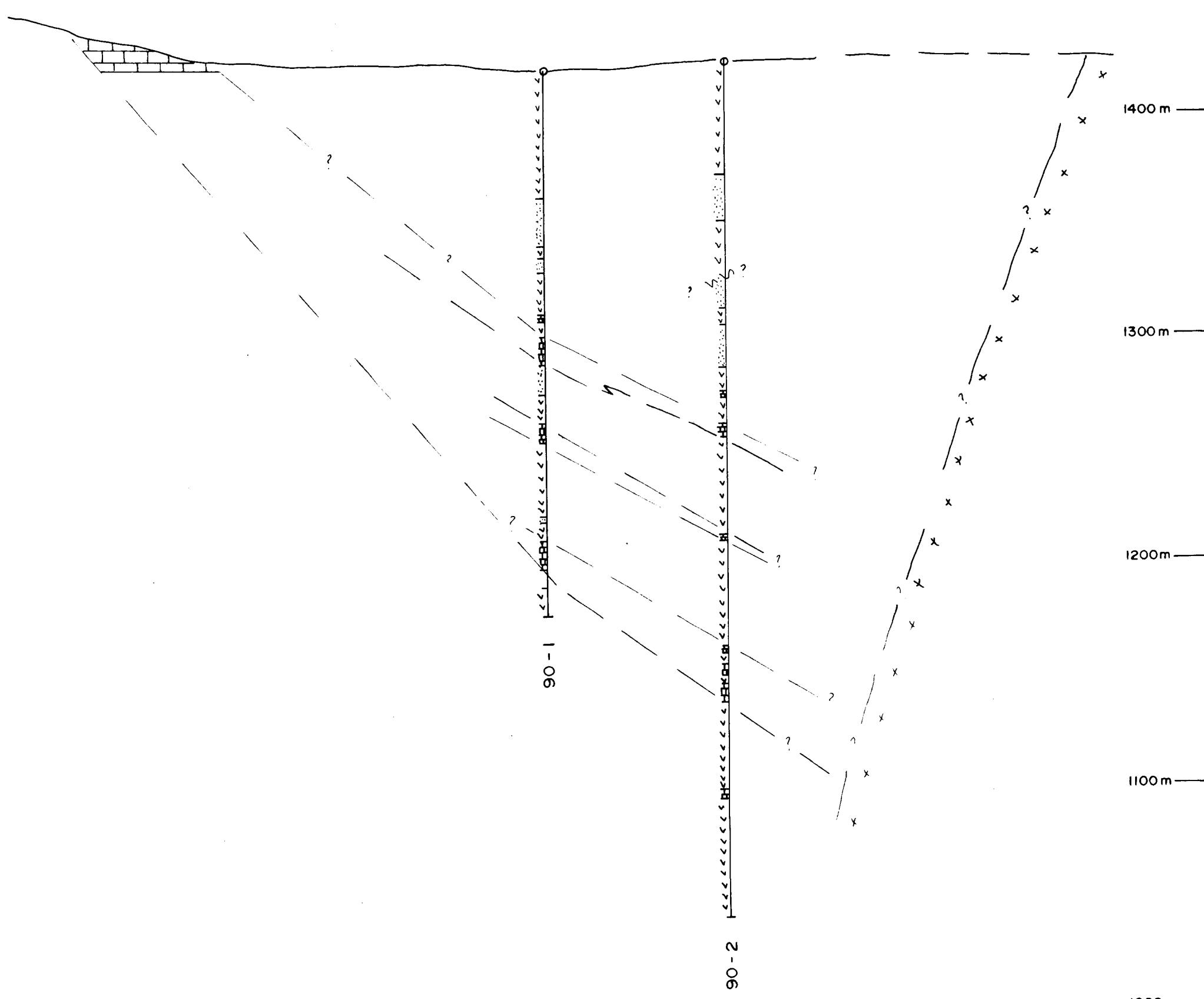
HOLE No. 90-1 Page No. 7 of 8

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
(110.1m) 361-	Limy skarn. 50% calcite, 10-20% fragments; 20-30% garnet with some actinolite.									
(112.8m) 370-	coarse dacitic fragments, some garnet and large patches biotite									
(120.1m) 394	alteration to 377 - 30% calcite & 10% garnet 377-383' & 390-392'									
100% CR	Banding irregular 45° CA @ 378, 60° CA @ 390 (114.94m) (118.90-119.51m) (115.24m) (118.90m)									
(120.1m) 394-	limestone, grey banded with 10% fragments, chloritized	Est. 5% Cu as chalcopyrite grains								
(134.4m) 441	Banding 45° CA @ 395, 40° CA @ 400 actinolite alteration 408-409.5	up to .5cm from 394 -394.5' in mic bx.								
100% CR	Banding 95° @ 410, steep & reversing 411-412, roughly 95° @ 415-420									
	Fragments increasing to 40% from 413-420, 10% from 420-426.5									
	50% fragments 426.5-441, vertical garnet 426-436									
	Banding @ 45° CA @ 423 & 432									

PLAN

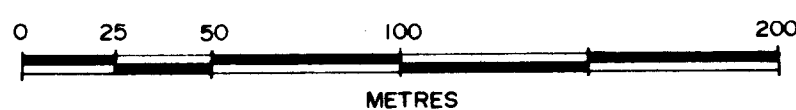


CROSS SECTION 2210 W



LEGEND

- HYBRID PHASE GUICHON BATHOLITH
- NICOLA ROCKS
- ANDESITIC VOLCANICS - dark green, fine grained, chloritic rocks
- SEDIMENTS - siltstone, sandstone, greywacke
- CARBONATE ROCKS - impure to marble



GEOLOGICAL BRANCH ASSESSMENT REPORT

20,349

BETTER RESOURCES LTD.

KEY CLAIM GROUP

DDH 90-1, 90-2 PLAN AND SECTION

SCALE: 1:2000

DRN BY: C.C.Rennie, A.S.

DATE: AUGUST 1990

FIGURE: 4

DIAMOND DRILL CORE LOG - SAMPLE RECORD

DEPTH	DIP	BEARING AST.
COLLAR	-90°	
500	-88	acid test
1160	-87	acid test

152.44
353.66

PROPERTY KEY GROUP, MERRITT B.C. CLAIM
 LATITUDE 180.7.8 N STARTED June 4, 1990
 DEPARTURE 270.5.0 W FINISHED June 12, 1990
 ELEVATION 1424.6 TOTAL LENGTH 1260' (384.15m)
Type 4 Composites from 5-115' Elw by Brunton leveling

LOGGED BY C. G. RENNIE
 CORE SIZE BQ
 SECTION
 HOLE NO. 90-2

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
0-10 <i>(2.6m)</i>	overburden. Crossing run to <i>(7.62m)</i> 25'									
10-94 <i>(28.6m)</i>	bleached Dacitic fragmented 94 All highly fractured to angular <i>(2.6m)</i> pieces. Longest core 10cm. <i>(6.10-7.62m)(1.22m) (7.62-9.15m)(1.53m) (9.15-10.71m)(1.22m)</i> 20-25 4' CR, 25-30 1' CR 30-35 4' CR	Limestone staining <i>(3.05-28.66m)</i> 10-94'								
100-94 <i>(9.45m)</i>	Quartz carbonate filled breccia 29-31 approx. <i>(15.54m) (16.71m)</i>									
35-94 <i>(28.6m)</i>	Poor bending @ 45° CA @ 51 & 55' Strong limonite staining to 68' More competent core with pieces 5-15cm and moderate limonite fracture from 68-94. Hazelnut 91	Fine fresh pyrite limonite mostly on fractures but some fine dissemination								
94-1725 <i>(52.6m)</i>	Andesitic fragmented. Clasts up to 1cm. Core 10 to 40cm Poor bending @ 45°. Section of brown biotite coloration, some green alteration. Sppt Epidote @ 130'	1-2% very fine disseminated pyrite								

GEOLOGICAL BRANCH
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DIAMOND DRILL CORE LOG -- SAMPLE RECORD

PROPERTY

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Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.		
	Patch epidote @ 154' ^(46.95m)											
	Some 2cm granitic appearing clasts											
	(50.45m) - (51.22m) 165.5 - 169 Quartz carbonate											
	veining + rusty stain.											
(52.6m) 172.5	Interbedded black siltstone and	Up to 5% fine										
(59.8m) 196	fine grained red grey grey wacke	banded pyrite in										
	(57.36 - 59.15m) Banking generally 45° CA 175-195	black siltstone bands										
107.0R	(54.88 - 57.93m) Pink alteration 180-190 wacke	as early pyrite										
	be hematization	late pyrite on										
	Breccia with quartz carbonate	fractures										
	(56.70 - 56.86m) cement 186-186.5											
(39.8m) 196	Gregwacke, medium to dark grey	Less disseminated										
(73.17m) 240	Some sections fragmental.	early pyrite. Less										
	Poor banding. Some biotite colour	late pyrite										
	(58.29m) 1cm qtz vein @ 221.5 qtz											
	(69.51 - 69.82m) carbonate veining 228-229'											
	(71.34m) 1cm quartz epidote vein @ 30° CA											
	(72.41 - 72.58m) @ 234'. Bleached @ 237.5-238											
	showing fragmental. Some rust											

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY KEY G.P. MERRITT, R.C.

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Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
(262.05m) 8615-	Limestone, generally fine grained, oolitic	2 cm band with dissemin.								
(266.16m) 873	30% recrystallized, medium to dark grey banded	pyrrhotite + magnetite + similar 1cm band ca								
	(263.72m) (265.24m) (266.16m) (265.55m) Banding @ 52° CA @ 865, 55° @ 870, 20° @ 873	871								
(266.16m) 873-	Fragmental, partly bleached. Fraggs up to 5mm. Less than 5% limy in turb bands. Some limy cement to fragmental.	Two 2mm grains chalcocite @ 878.5 with dissemin								
(269.82m) 885	100% CR Banding @ 45° CA @ 880'	in grit band. Magnetite (269.82m) in grit band @ 885								
(269.82m) 885-	Limestone, fine to medium grained. 30% recrystallized. Light to dark grey banded	Disseminated magnetite								
(275.76m) 904.5	100% CR A few white crystalline streaks. Banding @ 45° to 55° CA 885-904 with some confections. Increasing fragmental to bottom of section	in grit bands @ 888 (273.78-274.54m) 9.899-900.5								
(275.76m) 904.5-	Fragmental to mostly grit. Bleached and silicified Banding mostly @ 55-60° CA	1% fine disseminated pyrite								
(279.88m) 918	100% CR Lower contact @ 60° CA possibly faulted - graphitic									

DIAMOND DRILL CORE LOG -- SAMPLE RECORD

PROPERTY KEY GP, MERRITT BC

HOLE No. 90-2

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Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
(279.80m)	918 - Limestone, fine grained, dark grey	very fine chert opacite								
(287.80m)	544 bleached, carbonaceous, only 10%	following banding								
	recrystallized 50% recrystallized	and occasionally	45676	(280.12m) 918.8	(280.55m) 920.2	(.43m) 1.4	<.01		<.001	<.01
1107m	Banding generally 60° CA	transgressive veinlets	45677	(282.01m) 925	(282.61m) 927	(.61m) 2.0	<.01		<.001	<.01
			45578	(284.76m) 919-919.5	(285.67m) 925-927	(.91m) 3.0	<.01		<.001	<.01
(287.80m)	944 Fragmental, bleached, some limy spots		45579	(284.76-285.67m) 934-937	(285.91m) 937.5-938	(.15m) 0.5	<.01		<.001	<.01
289.63	950 and interbeds. Feb green alteration	very little sulphide,								
(289.63m)	100% CK Garnets or 946. some biotite	even on fractures								
(317.38m)	950 and/or fragmental. All partially									
1041	bleached 50% biotite coloration.									
	very competent rock. some pieces over									
100% CK	1 m long 950-1020									
	Feas banding gives impression of 50-60° CA									
	from 950-780									
	quartz vein with epidote at right angle to banding									
	21004-1004.5 silicified with epidote									
	80% bleached 1007.5-1020 silicified									
	1025-1026.5. Epidote streaks 1031-1032									

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY KEY GP, MERRITT B.C.

HOLE No. 90-2

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Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.		
	argillaceous interbed with pink green alteration (359.30 - 359.76m)											
	alteration 1178.5 - 1180											
	Quartz veins with K-spar selvages (356.40 - 356.71m) (358.23m)											
	1169 - 1170 & @ 1175											
	30-50% pink green alteration. Variable biotite alteration. (366.92 - 367.22m)											
	skerry fine grained 1203.5 - 1204.5											
(367.22m)	1204.5 - Andesitic fragments, fine grained											
(374.08m)	1227 at top (<2m) coarsening downward											
100% CR	little alteration other than biotite											
	very competent rock (10' core stick) 1210 - 1220 (3.05m) (368.90 - 371.95m)											
	Banding indistinct.											
(374.08m)	1227 - interbedded argillite fragments and											
(375.76m)	1232.5 limestone. 1230.5 - 1231.5 is 70% limestone (375.15 - 375.46m)											
	Biotite alteration of argillite & pink green alteration of limestone section											
	Banding @ 55° CA @ 1227, 65° CA @ 1232 (374.08m) (375.61m)											
	Gradual bedding and contacts											
	indicate the rock section is right side up.											

DIAMOND DRILL CORE LOG - SAMPLE RECORD

DEPTH	DIP	BEARING AST.
COLLAR	-90°	—

PROPERTY KEY GP, MERRITT B.C. CLAIM
 LATITUDE N 1724.8m STARTED MAY 30, 1990
 DEPARTURE W 2207.9m FINISHED June 3, 1990
 ELEVATION 1722.5m TOTAL LENGTH 806' (245.7m)
Top 9 Compess from S-115 E-6m by Brunton leveling

LOGGED BY C.C. RENNIE
 CORE SIZE B9
 SECTION
 HOLE NO. 90-1

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.
(1.5m) 0-5	Overburden									
(1.5m-20.3m) 5-66.5	Andesite fragmental, dark grey 100% CR to black lighter 1/2 cm to 1 cm frags core highly fractured mostly to less than 3cm mostly @ 45° to CA. No obvious bedding but suggestion of 45° to same brown biotitic patches	sections of fine (2mm) pyrite Limonite staining								
(20.3m) 66.5-120	Dacitic fragmental Medium grey some fragmental elongated along bedding (?) 3cm round granitic dact	2-5% fine pyrite increasing to 1% 110-120 bleached section								
(36.6m) 120-126	100% CR @ 73.5° Core more competent, Fractured 5-20 cm Bedding @ 45° CA @ 73°, 45° @ 100°	10% sections of biotite alteration 90-93'								
(36.6m) 120-126	Porphyry dyke (?) Light grey with white phenos all highly fractured 100% CR and rusty stained Fractured 60° CA contact with above rock									

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DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY KEY GP, MERRITT B.C.

HOLE No. 90-1 Page No. 2 of 8

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.		
(38.4) 126-	basic fragmental sediment, medium	variably slightly										
(58.3) 221.5	to dark grey fragment up to 5cm. Bleached magnetite, particularly with K-spar streaks & epidote	near alteration bands										
100% CR	135'-137.5' + 143.5'-144'. Core fairly competent, fractures @ 5 to 20cm spacing. Indistinct bending @ 95°	< 1% pyrite										
	Bleached 157'-153, 163.5'-164.5'											
	Increasing actinolite streaks.											
	Bending 33° CA @ 179' 95° @ 187'											
	Sandy section 205.5'-206.5'											
(58.3m) 221.5-	Greywacke, medium grey, generally	Few grains chert										
(80.5m) 264.0	fine grained. Resembles Craigmont north west greywacke. Highly fractured	in 2cm carbonate vein @ 222'										
100% CR	@ 2-10cm intervals											
	Fracture @ 45° CA 229-229.5'	5% epidote & 1% pyrite										
	Numerous thin calcite stringers.	78.35 - 79.57m 257-261										
(80.5m) 269-	limy fragmental, 75% to dark greenish											
(85.4m) 280	fragmental & 25% calcite cement. Numerous											
100% CR	recrystallized calcite veinlets & patches											

DIAMOND DRILL CORE LOG — SAMPLE RECORD

PROPERTY KEY GP MERRITT B.C.

HOLE No. 90-1 Page No. 7 of 8

Footage	DESCRIPTION	MINERALIZATION	Sample	From	To	Length	Copper %	Mo %	Gold Oz.	Silver Oz.		
(110.1m) 361-	Limey skzrn. 50% calcite, 10-20%											
(112.8m) 370	fragments; 20-30% ^{psb} garnet with some actinolite.											
(112.8m) 370-	coarse detritic fragments, some											
(120.1m) 394	garnet and large patches biotite alteration to ^(114.94m) 377, 30% calcite & 10% ^(114.94-116.76m) garnet ^(118.90-119.51m) 377-383' & 390-392'											
100% CK	Banding irregular 45° CA @ 378, 60° CA @ 390 ^(115.24m) ^(118.90m)											
(120.1m) 394-	Limestone, gray banded with 10%	Est. 5% Cu as										
(134.4m) 441	fragments, chloritized ^(120.43m) ^(121.15m)	chalcopyrite grains ^(120.12m)										
100% CK	Banding 45° CA @ 395, 40° CA @ 400 ^(124.39-124.95m) Actinolite alteration 408-409.5 ^{125.0m}	up to 5cm from 394 ^(120.27m) -394.5' in lms bx.										
	Banding 45° @ 410, steep & reversing ^(126.52-128.05m)											
	411-412, roughly 45° @ 415-420											
	Fragments increasing to 40% from ^(125.81-128.05m) ^(128.05m-130.03m)											
	413-420, 10% from 420-426.5 ^(130.03-134.45m)											
	50% fragments 426.5-441, variable ^(129.88-132.93m) garnet 426-436											
	Banding @ 45° CA @ 423 & 432 ^(128.96 & 131.70m)											

