

DRILLING

4554 WEST 6TH AVENUE  
VANCOUVER 8, B.C.

PROGRESS REPORT  
B.R. JEWEL PROPERTY  
BRALORNE AREA  
LILLOEET MINING DIVISION  
BRITISH COLUMBIA  
92J/15W

Lat.  $50^{\circ}46\frac{1}{2}'N$

Long.  $122^{\circ}50\frac{1}{2}'W$

for  
CARL CREEK RESOURCES LTD.

by  
GAVIN A. DIROM, P. ENG.  
Consulting Mining & Geological Engineer

June 1, 1982

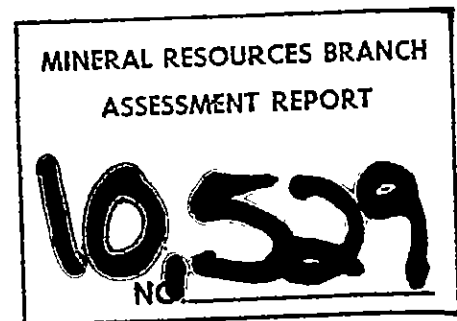


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and November 10, 1981. G.A.  
Dirom Split Core Samples Nos.  
6092-99 and 6181-89

## INTRODUCTION

This progress report covers field activities during period September 24 to October 29, 1981 and the results, conclusions and recommendations based on this work and earlier information. Main fieldwork was the drilling of 1,072' of BQ diamond drill holes across the easterly extension of the BRJ #1 vein. Secondary program consisted of Brunton-tape traverses tying in BRJ #1 and Short O'Bacon veins and workings, diamond drill holes, access roads and Crown grant claim posts.

This report supplements my "Examination Report" of January 23, 1981 which provides particulars regarding property, location, geology, mineral showings, etc.

Ass. Rvt  
7487

## SUMMARY & CONCLUSIONS

BRJ #1 vein has been investigated at 3,600' elevation by the old adit and the three 1981 diamond drill holes for an overall strike distance of about 500'. Old open cut workings cover an updip strike length of 400' between 3,650' and 3,800' elevations. Locally interesting AuAg values occur in the adit and the surface workings but no orebody has been indicated to date by these workings.

Two of the 1981 diamond drill holes intersected the easterly extension of the vein 55' and 140' easterly of the drift face where 2.7'N averaged 0.64 oz. Au/ton - 1.76 oz. Ag/ton. The third hole intersected a strong vein structure a further 150' easterly or 290' ahead of the drift face. This vein intersection may be a faulted or en echelon extension of the adit vein. Normal vein widths in holes 81-1 and 81-2 are 3.5' and 5', respectively; and in 81-3, up to 10'. 22 g/T

60 g/r

Split core samples of the main vein intersections in these holes average at best 0.008 oz. Au/ton, 0.03 oz. Ag/ton; and highest assays are 0.038 oz. Au/ton, 0.21 oz. Ag/ton. The best assay, obtained in hole 81-3, is 0.06 oz. Au/ton, 0.03 oz. Ag/ton from 2.5' of core about 24' in the FW of the main vein intersection.

Limited pre-1948 diamond drilling, 900-1, 050' NE of the adit face, did not cut any strong vein structures but is probably in the FW of any easterly extension.

Should the BRJ #1 vein continue easterly on average N 60° E 45° SE it would intersect the southerly

projection of the Short O'Bacon vein about 600 - 650' further east around 3,900' elevation. This Short O'Bacon structure seems to be a strong northerly trending, steep easterly dipping, quartz vein exposed now only in one old open cut but indicated by quartz float for a strike distance of at least 500'. An old caved crosscut adit, at 3,720' elevation at the north end of the Short O'Bacon workings, may not have cut this vein. Any vein extension northerly and down hill is in the direction of the elongate serpentine belt along Carl creek and may be sub-parallel to the serpentine. Proximity to the latter enhances the possibility of the vein containing better gold values.

Based on results to date one is forced to downgrade exploration possibilities re the adit end of the BRJ #1 vein and look to exploration of its easterly projection, particularly in near proximity to possible intersection or convergence with the Short O'Bacon vein structure. Available information on the latter is limited but there seems to be exploration possibilities along its extensions. The faulted western continuation of the BRJ #1 vein still warrants further search.

There seems to be two main systems of vein structures on this property: NE to easterly trending, moderately south dipping; and northerly trending, steep dipping. Either one may occur locally but there is no certainty that main structures of either system will intersect. It is possible that each may be inclined to horsetail out on the other's trend.

### RECOMMENDATIONS

The following limited exploration program is recommended:

- [1] Prospecting, soil sampling and outcrop mapping along the easterly extension of the BRJ #1 vein to its possible intersection with the Short O'Bacon vein; also search for evidence of its westerly extension.
- [2] Similar program on the Short O'Bacon vein and its extensions.
- [3] Possible use of EM 16 to help pin point vein locations.
- [4] If results warrant, then short term program using a small bulldozer or back hoe to do some limited trenching and open cutting, with vein exposures the objective.

[5] Limited investigations of other veins on the property.

The following budget is recommended to cover the foregoing program:

Prospecting, mapping, sampling and assaying	\$10,000
Geophysical surveying: EM 16	2,000
Back hoe or small bulldozer	2,000
Supervision and Consultant	3,000
Administration	<u>3,000</u>
Total	<u>\$20,000</u>

#### ACCESS ROADS

A small, track-mounted, front-end shovel loader arrived on the property on September 27 to move the diamond drill to the site near the BRJ #1 vein adit. This shovel was used to clean up slough on the access road from Carl creek to this adit, prepare the drill site on this road and clean up around the adit portal. It also was used to brush out the switch-back logging road to the old Short O'Bacon vein workings on the west side of Carl creek on the RE claim. This was all done September 28-30, incl.

The access road from Carl creek to the BRJ adit is about 3,000' in length; branch road off this to the Short O'Bacon adit, about 1,725'; and switchback road continuing up hill from latter, at least 1,100' further. These roads are serviceable for pick-up trucks and 4-wheel drive vehicles.

#### SURVEYING & MAPPING

A check compass-tape survey was made of the BRJ #1 vein adit. This was extended to the diamond drill site on the access road and continued as a road traverse to the Carl creek bridge crossing. Survey traverses were run down hill to the quartz float area NW and northerly of the adit and along the BRJ #1 vein surface open cuts up hill from the adit. This latter traverse was continued about 1,200' NE of the adit portal to the three, pre-1948, X-Ray diamond drill holes. Tie-in traverses from here were run to the access road traverse to the west and to

the Short O'Bacon area to the NE. A closed traverse was made of the Short O'Bacon workings and flanking road and a rough traverse was run of the Short O'Bacon access road.

All these traverses are shown on Map #4; and also the several "Errors of Closure" where the traverses are closed. Future adjustments can be made relative to survey plats of the Crown Grant claims. Actually, four traverses had good plotting closures. The long loop, including the Short O'Bacon access road, shows a plotting closure of 45' in a traverse distance of over 4,000'. Vertical angles were obtained using an Abney Hand Level. Elevation at floor of BRJ #1 vein adit portal has been taken as 3,000' and all other elevations are relative to this.

A limited amount of additional geological mapping was done: along the access road to the BRJ adit and in the vicinities of the BRJ vein and Short O'Bacon surface workings.

#### DIAMOND DRILLING & RESULTS

Diamond drilling contract was given to Bill Smith, Aspen Drilling Ltd., Merritt, B.C., who had earlier completed a drilling job at New Congress Mine in the Gold Bridge area. Basic contract rate was \$25/foot for a minimum of 1,000' of BQ wire-line. Rig consisted of a skid-mounted BBS 1 drill and accompanying water tank. A hose-line from the adit provided the initial water supply and this was augmented by a water flow from the bottom part of the first hole drilled.

Total of 1,072' was drilled in three holes during period October 1 - 28, 1981. All were drilled from the same site located on the access road about 270' N 20° W of the adit's east drift face and at about the same elevation as the floor at the latter, viz. 3,605'. All were drilled at minus 3°.

	<u>Started</u>	<u>Finished</u>	<u>Bearing</u>	<u>Length</u>	<u>Elevations</u>	
					<u>Coll.</u>	<u>Bottom</u>
DDH 1981-1	Oct. 1	Oct. 11	S 30° E	315'	3605'	3589'
1981-2	Oct. 12	Oct. 19	S 49° E	353'	3605'	3587'
1981-3	Oct. 20	Oct. 28	S 68° E	404'	3605'	3584'
				<u>1,072'</u>		

Diamond drill hole logs are included in the Appendix. Maps #5, 6 and 7 provide vertical sections through each drill hole; and Map #9 shows them in a N 55° E vertical section along BRJ #1 vein's surface workings and its projection to the NE. Map #4 shows them in plan. Recoveries as a whole were excellent.

DDH 81-1:

See Map #5. Objective was to cut the adit vein about 50' ahead of the drift face where 2.7' N width had assayed 0.64 oz. Au/ton and 1.76 oz. Ag/ton. It cut the vein structure at footage 283-292 about 55' east of the face. This 9' intersection would represent about 5' N width in a vein E/W 45-50° S. It averaged [6092 - 6097] only 0.008 oz. Au/ton, 0.02 oz. Ag/ton. Best section was FWS 2.5' averaging 0.03 oz. Au/ton, 0.02 oz. Ag/ton [6092-93]. Remaining 23' to the bottom of the hole at 315' cut no fracturing of interest. Collar section of hole to 283' cut a number of minor 0.1' or less quartz and/or calcite fractures at varying angles, some local shears and slips, and some concentrations of disseminated pyrite. Host rock throughout is variably textured and altered Pioneer greenstone-Bralorne diorite complex.

The water flow cut in this hole was probably from the vicinity of the vein intersection.

DDH 81-2:

See Map #6. Objective was to cut the vein structure a further 100' easterly on strike and at about the same elevation. It cut the vein at footage 286.7 - 293.2 [5.5'H] about 95' N 50-55° E of the intersection in hole #1. Dip in relation to the surface outcrop is 40-45° and thus the normal width would be about 3.5'. However, the 5.5' core intercept assayed only 0.002 oz. Au/ton - 0.03 oz. Ag/ton [6182]. The remaining 61' to the bottom of the hole at 353' cut no significant fracturing. The collar section of the hole cut a shear zone at footage 73-78 containing abundant cube pyrite but this interval assayed only 0.002 oz. Au/ton - 0.03 oz. Ag/ton. Between the hole collar and the main vein the hole cut a number of unimportant, 0.02' or less quartz and/or calcite fractures and also some minor shears and slips. Host rock throughout was similar to the variations in hole #1.

DDH 81-3:

See Map #7. Objective was to cut the vein structure a further 100' easterly. It cut a shear and fault zone at 246.5 - 250' and another at 351' but only minor fracturing of no considered interest to this point. Core at 357 - 359.5' [2.5'], 364 - 366' [2.0'] and 373.1 - 374.6 [1.5'] includes some quartz/calcite fracturing up to 0.25'N, local concentrations of disseminated pyrite and traces of light greenish "mariposite" [?] in the first and last. The first section assayed [6183] 0.061 oz. Au/ton, 0.03 oz. Ag/ton; the other two [6184 & 85] only negligible values. Some of this fracturing was at 30° and less to the hole.

A strong zone of fracturing and associated shearing was cut between 388.25 and 402.5' [14.25']. This consisted of bands of quartz [and some calcite] separated by sheared and crushed wall rock. Minor disseminated pyrite is associated and also some scattered, greenish "mariposite" [?]. Four samples [6186-6189], taken across this zone, assayed only 0.01 oz. Au/ton and 0.02 oz. Ag/ton or less.

The fracturing cut in this hole between 357' and 402.5' lies 125' - 155' N 65 - 75° E of the vein intercept in hole #2. In the vertical plane of the hole they lie 35 - 50° down dip from surface vein exposures 40' on either side of the vertical section. These surface showings appear either to be offset by a fault or by a vein jog. If the latter, then the minor fracturing between 357 - 375' may represent horsetailing out of the adit vein; and the stronger zone, the beginning [?] of an en echelon extension offset to the east. These hole intersections, however, lie 250 - 300' down dip from the surface and also could reflect dip splits, etc.

GEOLOGICAL COMMENTS & EXPLORATION POSSIBILITIESBRJ #1 Vein:

In the adit this vein swings from easterly at its western end to northeasterly for most of its drift length; and a NE HW split locally develops about 60' SW of the drift face. DDH 81-1 cut only one vein which suggests that the main vein swings easterly east of the face and is rejoined by the split on a NE trend and continues NE to DDH 81-2. Correlation with the vein stringers [357 - 375'] and the main fracture zone [388 - 402.5']



in DDH 81-3 is open to conjecture, as a fault may intervene or the main vein continues as an en echelon offset.

There is no certainty that the BRJ #1 vein fracture zone continues strongly further NE or easterly and, if it does, what its general strike will be. Should it continue, say, on an average N 60° E strike and 45° SE dip, it would intersect the southern projection of the Short O'Bacon vein about 1,400' NE of DDH 81-3 and around 3,900' elevation. This BRJ #1 vein projection would place it in the HW of the pre-1948 DD Holes shown on Map #8. However, these holes would be in range for strikes from N 15° E to N 50° E, but as they are inclined in the same direction as the vein dip any vein extension could slide between these holes.

The NE to easterly projection of the BRJ #1 vein zone still presents exploration possibilities, especially in proximity to its possible intersection with the Short O'Bacon vein. At most, there are few bed rock outcrops along this projection and no evidence of any old trenching or open cutting. The easterly end of this projection is readily accessible from the Short O'Bacon access road.

The presumed faulted western extension of the BRJ #1 vein is still open to exploration. The down hill trace of the N 20° W 50 - 55° NE fault, which truncates the adit vein, would trend northerly. There is quartz float around the lower slopes north of float material that might be derived from the old open cut workings up hill from the adit. These lower slopes warrant prospecting and mapping.

#### Short O'Bacon Vein:

The only exposure seen on this vein was in the old open cut at sta. SB4 at 3,800' elevation. This indicates a strong zone, N 15 - 20° W, 70 - 80° NE, up to 6.0' width at least, occurring in greenstone-diorite. The zone here consists of 3.5' width of white quartz on the HWS, then 2.0' of sheared rock and quartz stringers and gashes and then 0.5' FWS quartz. The FW is not exposed. Calcite and sparse pyrite are associated.

Quartz shows on the dumps of old open cuts on strike to north and south for a strike distance of 200'. Sizeable quartz float at the road switchback 425' to the south indicates that the zone continues this far at least. Down hill to the north a crosscut adit was collared 200'

from the open cut exposure and at 80' lower elevation. The portal section was through overburden and is caved. The adit is reported [GSC Memoir 213, p. 93 [1937]] to have been 180' long and to have crosscutted to bed rock and then followed a parallel shear for 35' containing very little quartz. On the basis of our compass survey it seems quite possible that the extension of the surface vein may be closer to the portal and be underlying the overburden section of the adit.

No sample was taken by Dirom but GSC Memoir 213 states that "low assays in gold have been reported from samples of the vein quartz."

As mentioned previously: If the BRJ #1 vein continues northeasterly or easterly and the Short O'Bacon vein continues southerly, then there is a potential area of intersection or convergence and enhanced exploration possibilities.

Northerly continuation of the Short O'Bacon vein down hill along the west slope of Carl creek also is of considerable interest as it will approach the narrow, elongate serpentine belt which outcrops along this creek. The strike of the vein is sub-parallel to this serpentine belt and hence the vein may persist for some distance in proximity to the contact. This would be a favourable condition for enhanced gold values.

#### Other Veins:

At least two other northerly trending shear zones or veins are known to occur on the RE claim. One lies about 600' SE of the Short O'Bacon vein described above, the other about 800' to the NE. Both lie on the opposite side of Carl creek. They probably warrant some field investigation.

The two other BRJ vein structures consist of BRJ #2 vein about 1,500' southerly of BRJ #1 vein adit and BRJ #3 zone about 1,800' SSW. The former has not been seen by the writer but is reported to be a NE-trending quartz vein. The latter was seen by the writer in 1979 and consists of a northerly trending zone of quartz fracturing up to 60' wide. Both probably warrant some prospecting and mapping.

Respectfully submitted,



Gavin A. Dirom, P. Eng.



June 1, 1982

CERTIFICATE

I, Gavin A. Dirom, of 4554 West 6th Avenue, Vancouver, British Columbia, certify that:

1. I am a Life Member of the Association of Professional Engineers of British Columbia, Registration No. 1582 [1943].
2. I hold the degree of Bachelor of Applied Science in Mining Engineering, 1932, from the University of British Columbia.
3. I am a Life Member of the Canadian Institute of Mining & Metallurgy and a Member of the Society of Mining Engineers, American Institute of Mining Engineers.
4. I have practised my profession as a Mining & Geological Engineer since graduation in 1932, and have been a Consulting Mining & Geological Engineer since 1966.
5. I personally supervised and/or engaged in the field program described and have prepared this report on the basis of first hand knowledge of the data contained therein.
6. I have no interest, direct or indirect, in the B.R. Jewel property nor in the shares or other assets of Carl Creek Resources Ltd., nor do I expect to receive any.

DATED this 1st day of June, 1982.



Gavin A. Dirom, P. Eng.



November 9, 1981.

ASPEN DRILLING LIMITED  
BOX 1832  
MERRITT, B.C. VOK 2B0

In account with CARL CREEK RESOURCES LTD.

Re: Drilling contract on Carl Creek property.

Preparing drill site, moving drill and setting up on D.D.H #1

	24 man hours @ 12.50	=	\$300.00
October 1 - 12 D.D.H # 1	315' @ 25.00 per ft.	=	\$7875.00
Moving drill to D.D.H # 2	8 man hours @ 12.50	=	\$100.00
October 12 - 20 D.D.H # 2	353' @ 25.00 per ft.	=	\$8825.00
Moving drill to D.D.H # 3	8 man hours @ 12.50	=	\$100.00
October 20 - 28 D.D.H # 3	404' @ 25.00 per ft.	=	\$10100.00
Moving drill from site to Goldbridge	16 man hours @ 12.50	=	\$200.00
50 core boxes	50 core boxes @ 5.00	=	\$250.00
		Total	<u>\$27750.00</u>

*1072*

Total drilling \$27750.00

Less drilling advances	September 28	\$5000.00	
	October 29	<u>\$15000.00</u>	
	Total	\$20,000.00	<u>\$20,000.00</u>

Balance owing \$ 7,750.00

*# 237*  
*30 10/21*

# DIAMOND DRILL RECORD

PROPERTY B. R. JEWEL GROUP

HOLE No. 1981-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
COLLAR	-3°	

Hole No. 1981-1 Sheet No. 1 Lat. \_\_\_\_\_  
 Section \_\_\_\_\_ Dip. -3°  
 Date Begun Oct. 1/81 Bearing 530°E  
 Date Finished Oct. 11/81 Elev. Collar 3605'  
 Total Depth 315'  
 Logged By GRAVIN A. DIROM  
 Claim B.R.J #3  
 Core Size BQ

DEPTH	RECOVER %	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	OZ. Au / Ton	OZ. Ag / Ton		
		Rx throat is primary brecciated - Brecciated quartz complex. Variably textured & altered. Frequently contains disseminated pyrite.		Fr				
0-150'	100%	Collared in bed rx. Minn quartzite frag w 8', 12', 16' w 5-20° to hor.						
173-191'		Much dissemin pyrite @ 50°						
20-22'		Qty + minor calc. N 215°						
30'		Up to 10' barren Qtz. w 40°						
40.5'		sl. shear w up to 30°						
87 & 88'		Qtz/calc w 215° 20.15°						
91 & 92'		Dissem blks pyr. & calc shear w 35° & 60°						
93-94.5'		Broken cov. Shear or pass. fault (F?)						
104.5'		shear with 1/4" mottled Qtz w 50°. sl. pyr.						
137.5 & 139'		Up to 2005' Qtz/calc. N 45° but w 90° to each other. Minn shear.						
141'		Shearing w 30°						
150-158'	75%	At 158' pass. fault or shear 2° core loss.						
158-165'	100%	w 125° - Oil Qtz w 26°						
167-176'	90%	w 171° - gougey shear or fault w pass. fa. w 176.5° up to Oil Qtz. fault w 60° barren.						
195-196.5'		Broken Qtz fault w 40° & 60°. Mostly 0.25' w 195.5'						
213'		Barren Qtz/calc w 15° 0.05'						
253.5-252'		0.2" two 1/2" Qtz. st w 40° to hor.						
260.5'		Some patchy pyr. w st. w 70°						
273'		Fr pyr. st w 65°						
274.2'		0.05' barren Qtz. w 40°						
277-283'	90%	occasional slip w 30° with minor Qtz & calc. Some blks of st pyr. w 292.5'						
283.0-284.0'	100%	Variably sh. qsd, with conspicuous m. g. pyrite cubes. Include two 0.02' Qtz. frag w 40° & 75°	B.R.J # 1 YEN :					
284.0-285.25'	90%	284.1- 0.02' gougey slip w 50°. May be main Fr of vein. Balance var. by 1/4" brecciated qsd. with quartz & arsenic pyr.	6092	1.0'	0038	003		
285.25-287.5'	100%	Barren white quartz. Cleaves mostly w 55°	6093	1.25'	0022	002		
287.5-288'	70%	Darkly ribboned quartz with ribboning w 45° some arsenic pyrite	6094	2.25'	0001	001		
288.0-290.5'	72%	w 288.35' Talon shear with pyrth. Then 10' sl. rusty Qtz. & thin thin sheared rhye inclusions.	6095	0.5'	0022	021		
290.5-292.0'	75%	15' - highly sh & broken w 45.50°	6096	2.5'	0002	001		
292.0-298.0'		290.5-291 - rusty with Qtz & calc inclusions. w 25° 291-292 w 45°	6097	1.5'	0010	002		
298.0-307.0'		Some minor Qtz / calcite hair fractures. Occasional pyr slip w 50-65°	TOTAL AVERAGES		9.0'	0008	002	
307.0-315.0'		Some minor slip & brecciation. w 30° etc. Local cubes & blks of pyrite. END OF HOLE.						

# DIAMOND DRILL RECORD

PROPERTY B. R. JEWEL GROUP

HOLE No. 1981-2

DIP TEST		
	Angle	
Footage	Reading	Corrected
<u>Collar</u>	<u>-3°</u>	

Hole No. 1981-2 Sheet No. 1  
 Section.....  
 Date Begun Oct. 12, 1981  
 Date Finished Oct 19, 1981

Total Depth 353'  
 Logged By Ervin A. Dixon  
 Claim B.R.J #3  
 Core Size BQ

DEPTH	Recov. %	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	OZ. Au / TON	OZ. Ag / TON
18.5-24		Rk throughout is primary granitoid - Breccia dioritic complex Variously textured & altered. Frequently contains disseminated pyrite Battered in texture. 0.02' Qtz. Calc. n 40-45°				
31.5'		0.05' Qtz. Calc gash n 30°. Some pyr. assoc.				
38.5'		0.5' Talc shear n 60°				
65		0.05' qtz calc n 25-30°				
68.5-71		Consid. sil. & cubes of pyr & gash Qtz				
71-72.5'		1.5' sl. rusty calcite n 55°				
73.0-78.0	70%	Sh. light speckled greenish grey rx n 25°. Abundant dissems cubic pyr up to 0.03' square. Some Qtz & antiferite hairline fractures.	6181	5.0'	0.003	0.03
83.0'		Rusty shear n 60°				
88.2		Two crosscutting barren Qz fract. up to 0.05'				
113.5'		0.02' Qtz n 25°				
130.5-132		0.1-0.2 Qtz fract n 5°				
158.5'		Shear n 55°				
172-173		Talc slip n 30-45°				
194.		0.05' Qtz n 45°				
197-198		Whitish & br. fine n 45°. Minor pyr assoc.				
210 & 214.5		0.05' wh Qtz n 10°				
218 & 218.5		213' sl. pyr & sil. n 20°				
235.		0.02' Qtz & Talc shear n 10°				
271.5 & 279.5		Slips & thin Qtz calc n 45°				
286.7-292.2	85%	0.1' wh. Qtz n 15-20°. Part pyrith in age				
286.7-292.2	85%	B.R.J #1 vein. Defined 35-40° E.W. Then 0.3' highly pyritic n 30° to parallel to hole. Then 0.1' mixture of wh. Qtz & coarse calcite containing many of same about parallel to hole. 388.2-290.5. Mainly wh. Qtz with sub. coarse calcite. Minor pyr.	6182	5.5'	0.002	0.03
321		290.5-292. Mostly coarse calcite. HW n 35°				
326.0-328.5		Talc shear with 0.05' Qtz calcite				
328.5-353		Similar talc shear n 15°				
		END OF HOLE				

# DIAMOND DRILL RECORD

PROPERTY B.R. JEWEL GROUP

HOLE No. 1981-3

DIP TEST		
Footage	Angle	
	Reading	Corrected
Collar	-3°	

Hole No. 1981-3 Sheet No. 1  
 Section.....  
 Date Begun Oct 20, 1981  
 Date Finished Oct 23, 1981

Vert. ....  
 Dep. -3°  
 Bearing 568°E  
 Elev. Collar 3605'

Total Depth 404'  
 Logged By GAVIN A. DIERON  
 Claim B.R.J #3  
 Core Size BLQ

DEPTH	Recov %	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	Oz. Au /TON	Oz. Ag /TON
		Rx thruout is Pioneer greenstone - biotitic chlorite complex. Variably textured & altered. Frequently contains dissemin pyrit.				
3'		0.1' rusty Qtz @ 20°				
21.5'		0.02' Qtz @ 40°				
28'		Qtz/carbonate ribboning @ 80°				
33.5'		0.05' Qtz @ 75°				
64'		Broken core, shearing @ 30°				
90'		Thin Qtz talc shear @ 45°				
110.5 - 112.5'		Broken core due to some slip @ 51 angle to parallel to core				
117.5 - 119'						
126.5'		0.06' dkish Qtz @ 60° + minor dk. calcite				
133.5 - 137'		Var. rusty slip. Some @ < 20° 137-143-15' /ker				
152 - 157.5'		Rusty slip @ 20° & 10° (Tube did not lock)				
161'		Broken core due to slip. Minor Qtz & pyr assoc.				
175 - 182'		0.02' & 0.05' Qtz. Calc @ 15° & 40°				
201'		Some shearing & minor Qtz @ 60° or less.				
218 - 221'		Hardline Qtz or slip @ 15°				
225 - 232.5'						
244'		0.05' Qtz. Calc @ 25°				
246.5 - 250'	100%	Shear zone @ up to 30° with gouge. Fault. Some Qtz, Calc & minor pyr.				
258.5 - 259.261'		Shearing @ 20-35° with assoc. Qtz Calc & minor pyr				
283'						
289.5'		0.05' broken Qtz @ 40°				
290.5 - 291.5'		0.15' white Qtz @ 30° or less				
318 & 343'		Cube pyrit				
357.25'						
357 - 359.5'	100%	0.1' barren Qtz @ 5-10°, same structure pronounced shear @ 45° & least 0.1' N. with gouge fault (?)	6183	2.5'	0061	003
364 - 366'	100%	< 0.25' Qtz. fracture @ 25° in sh. & pyr @ 90° minor pyr. in the Qtz. Trace of green mineral "Margarite" (?)	6184	2.0'	0009	004
373.1 - 374.6'	100%	Two (?) 0.1 - 0.15' Qtz fracture @ 15-30° with abundant dissemin cube pyr. in host rock	6185	1.5'	0001	002
374.6 - 388.25'		Minor Qtz & calc. fracture @ 20-25°, in pyr @ rx. Greenish mineral assoc. "Margarite" (?)	N.S			
388.25 - 392'	100%	Minor shearing, & shearing @ 30° or less. Local pyrit. Banded quartz & calcite with pronounced "Margarite" (?) minor pyr.	6186	3.75'	0001	002
392 - 395'	83%	0.9' FWS, alternating Qtz, shearing @ 15° & 30-35°. Some "Margarite" thin ribbon shear @ 25°. Then thin 2.0' Qtz & sh. rx. + "Margarite" (?)	6187	3.0'	0001	001
395 - 400.5'	50%	Large barren white Qtz @ rx with occas. vug. calcite. Also 0.5' is banded Qtz with chlorite shearing @ 20°	6188	5.5'	0001	001
400.5 - 402.5'	100%	Crushed wall rock with minor streaks @ 15, 20° to 40.5' 40.5 - 40.25' incl 0.02' Qtz parallel to core	6189	2.0'	0001	002
402.5 - 404'		"Twisted" mottled wall rx somewhat similar to FWS of zone. END OF HOLE				







# MIN-EN Laboratories Ltd.

705 WEST 15th STREET,  
NORTH VANCOUVER, B.C., CANADA V7M 1T2  
TELEPHONE (604) 980-5814

## ANALYTICAL REPORT

Project ..... Date of report ..... Nov. 10/81. ....

File No. 1-1086 ..... Date samples received ..... Nov. 6/81. ....

Samples submitted by: .....

Company: ..... Gavin A. Dirom .....

Report on: ..... Geochem samples .....

..... 9 ..... Assay samples .....

### Copies sent to:

1. Gavin Dirom, Vancouver, B.C. ....

2. ....

3. ....

Samples: Sieved to mesh ..... Ground to mesh ..... -100 .....

Prepared samples stored  discarded

rejects stored  discarded

Methods of analysis: ..... Ag-Acid digestion-chemical analysis. ....

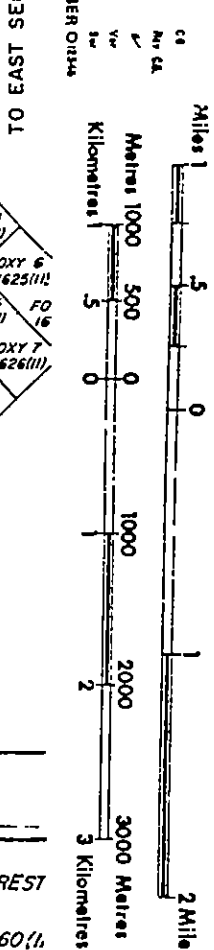
..... Au-Fire Assay. ....

Remarks: .....

.....

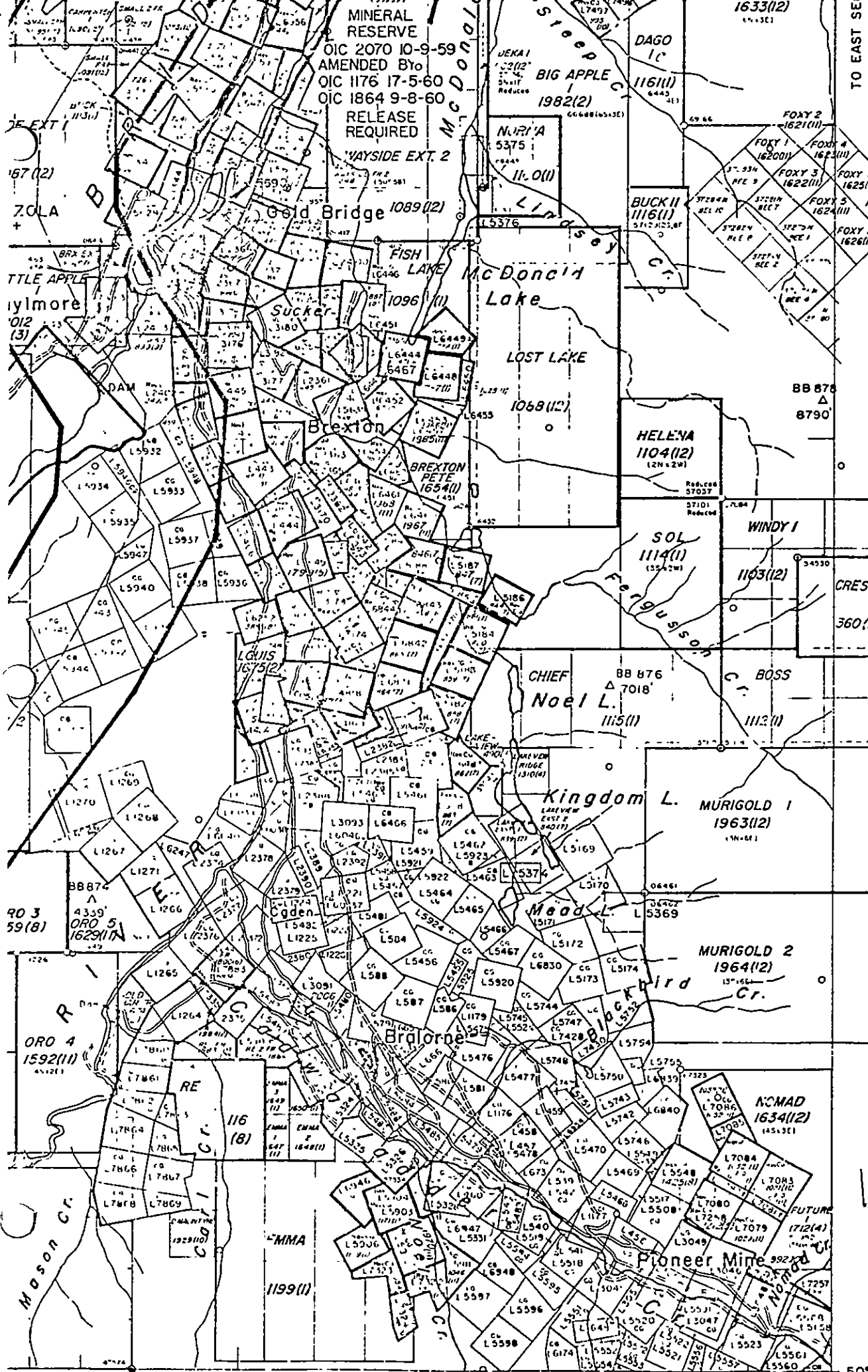
.....

SPECIALISTS IN MINERAL ENVIRONMENTS



UNLESS VERIFIED OR SURVEYED, THE MAP POSITION OF A  
LEGAL CORNER POST IS BASED ON THE LOCATOR'S SKETCH, FOR FUR-  
THER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION  
CONCERNED.  
DATE OF MICROFILM: 82-04-23

50° 45'



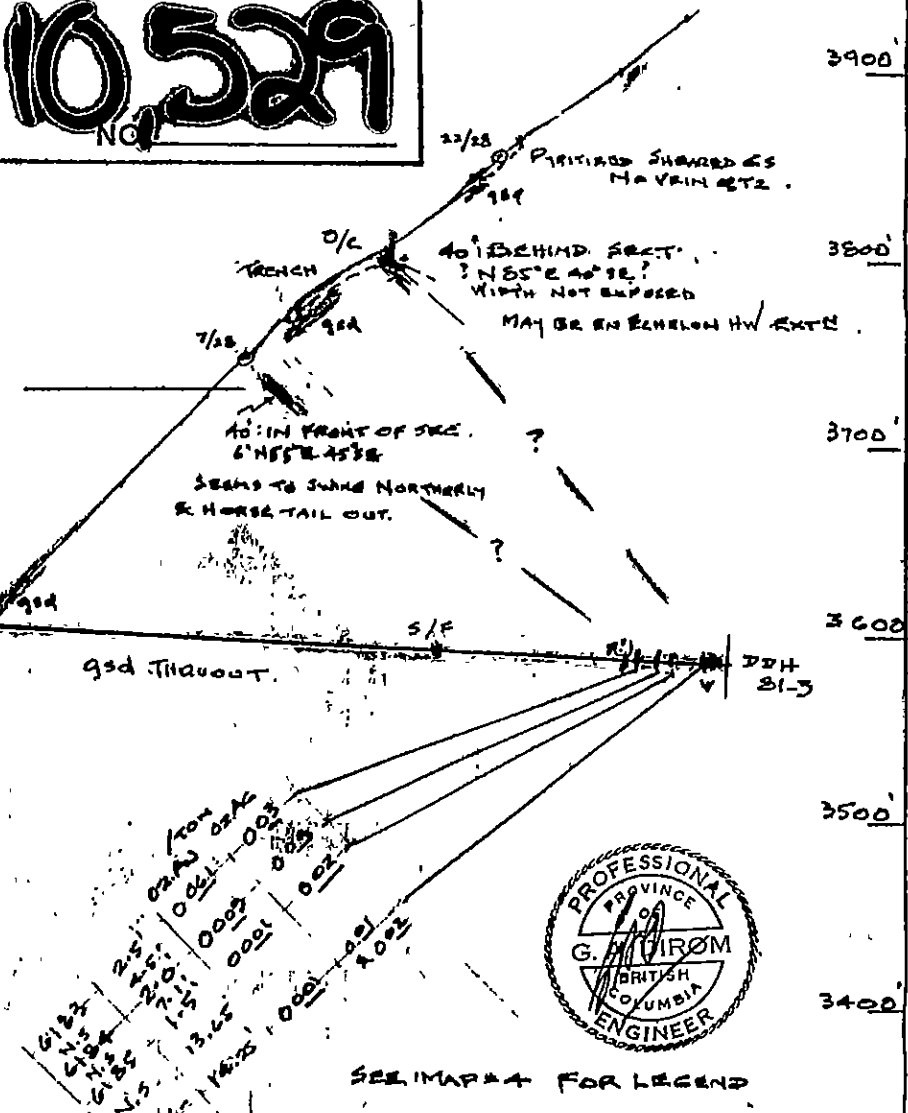
*Index Map  
92 J 15 W*



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT

10,529  
NO.

1612 ± 6.0M ± 0204 ± 036  
(1979) CHIP



SEE MAP #4 FOR LEGEND

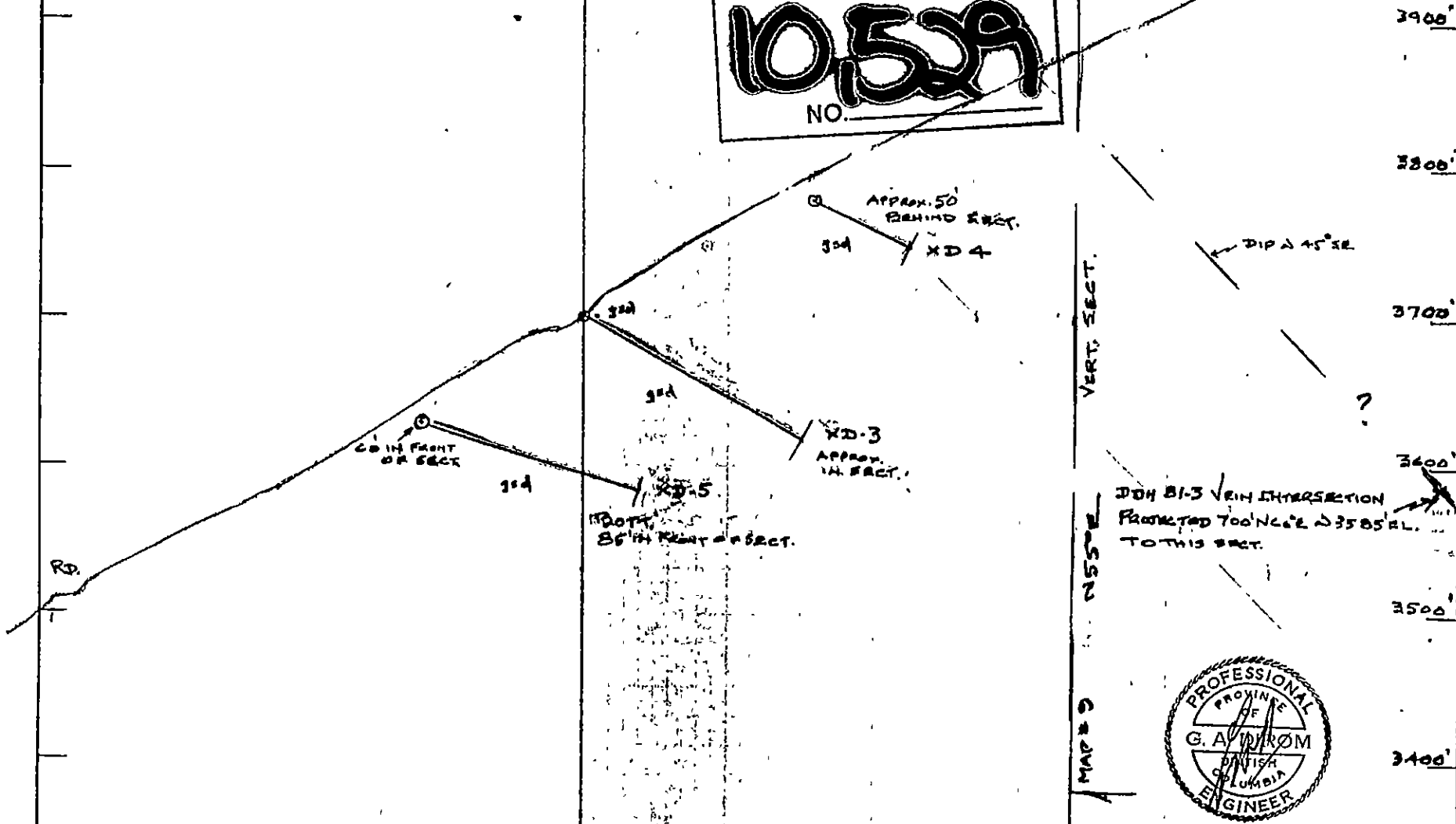
CARL CREEK RESOURCES LTD.  
B.R. JEWELL PROPERTY  
925/157 BRALORNE AREA, LILLOOET M.D.B.C.  
VERTICAL SECTION N68W THRU DTH 81-3  
LOOKING NE  
SCALE 1:1200  
MAP #7

TO ACCOMPANY PROGRESS REPORT 'JUNE 1', 1982  
BY GAVIN A. DIROM, P. ENG.

LR.

MINERALS RESOURCES BRANCH  
ASSESSMENT REPORT

**1052A**  
NO. \_\_\_\_\_



SEE MAP 24 FOR LEGEND

TO ACCOMPANY PROGRESS REPORT, JUNE 11, 1982  
BY GAVIN A. DIRM, P. ENG.

CARL CREEK RESOURCES LTD  
B.R. JEWEL PROPERTY  
925/15W BRALORNE AREA, LILLOOET M.D., B.C.  
VERTICAL SECTION N55°W - LOOKING NE  
SHOWING PRE-1948 DIA. DRILL HOLES  
SCALE 1:1200  
MAP # 8

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT

10,529  
NO.

SLAUGHED OPEN CUT  
ON MINOR QZ ON DUMP

4/25  
31.3oz.  
1/12  
(1979)  
CHIP  
6181 - 50' - 002 - 026  
BRJ#1  
VAIN.  
6182 - 55' - 002 - 023

95d THROUGH

DDH 81-2



SEE MAP # 4 FOR LEGEND.

CARL CREEK RESOURCES LTD  
B.R. JEWEL PROPERTY  
925/15W ISRALORNE AREA, LILLOETH M.D. B.C.  
VERTICAL SECTION N49°W THRU DDH 81-2  
LOOKING NE

SCALE 1:1200

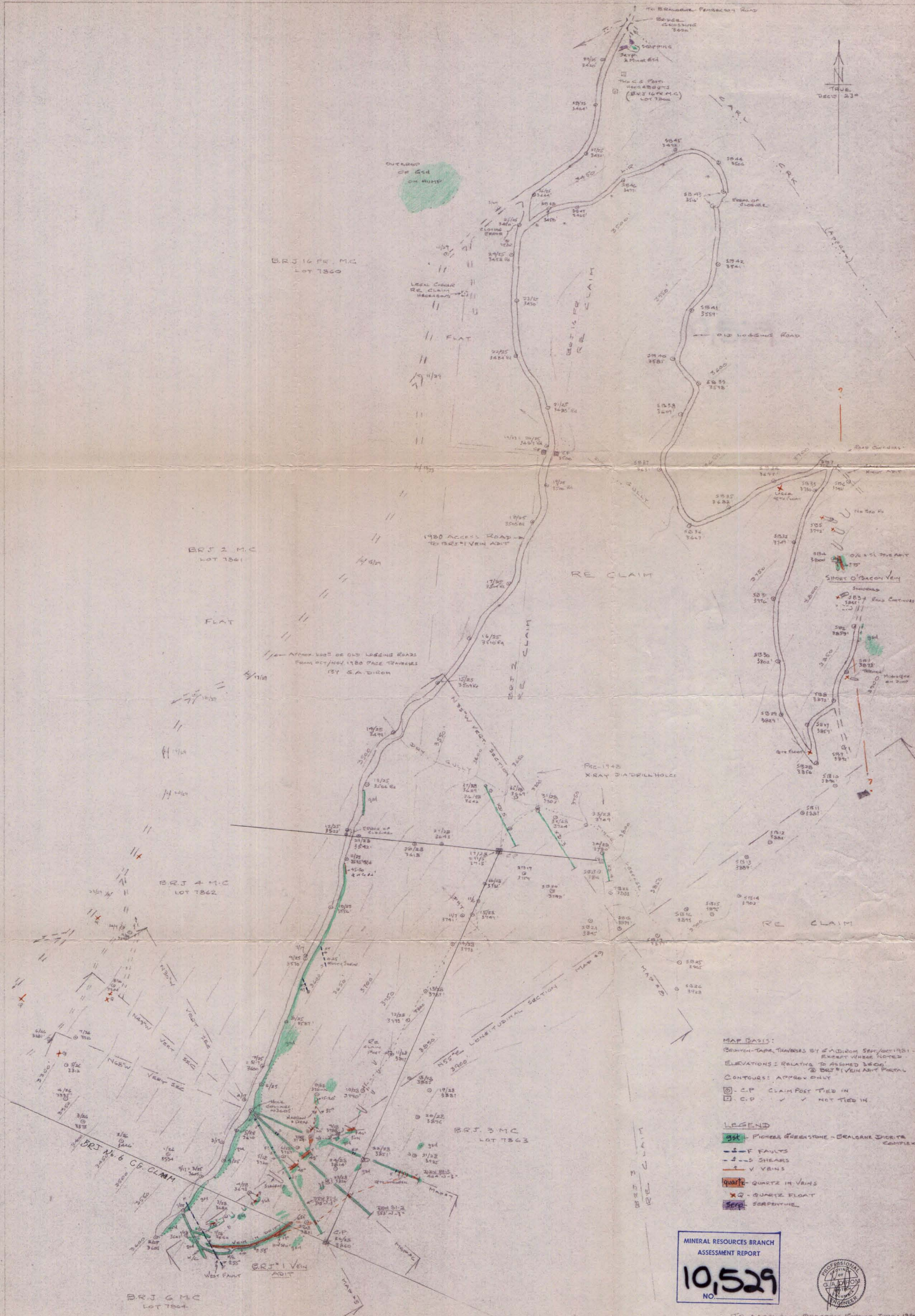
MAP # 6

TO ACCOMPANY PROGRESS REPORT JUNE 1, 1982  
BY GAVIN A. DIROM, P.ENG.

3900'  
3800'  
3700'  
3600'  
3500'  
3400'

3300'

L.R.



MAP BASIS:  
 BENCH-TAPE TRAVEL BY S. J. DIXON SEP/OCT 1981 - EXCEPT WHERE NOTED  
 ELEVATIONS: RELATIVE TO ASSUMED 3600' @ BRJ VEIN ADIT PORTAL  
 CONTOURS: APPROX ONLY  
 (C.P. CLAIM POST TIED IN)  
 (C.P. NOT TIED IN)

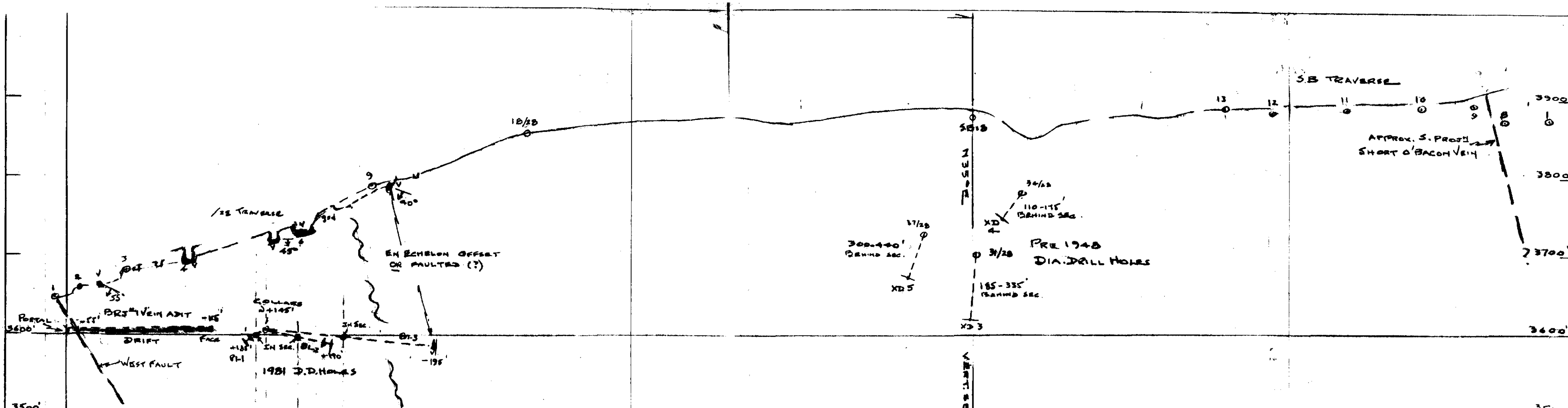
LEGEND  
 PITCHER GREENSTONE-BEALONE DIORITE COMPLEX  
 F FAULTS  
 S-S SHEARS  
 V VEINS  
 QUARTZ IN VEINS  
 QUARTZ FLOAT  
 SERPENTINE

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**10,529**  
 NO.



TO ACCOUNTANT PROGRESS REPORT JUNE 1, 1982  
 BY GAVIN A. DIXON, P. ENG.

CARL CREEK RESOURCES LTD.  
 B.R. JEWEL PROPERTY  
 327/5th BEALONE AREA LILLOOET, B.C.  
 - PLAN -  
 1981 MAPPING  
 SCALE 1:1200 MAP 42



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**10,529**  
NO.

SEE MAP #4 FOR LEGEND.

TO ACCOMPANY PROGRESS REPORT JUNE 1/82 BY GAVIN A. DIROM, P. ENG.

LOOKING NW.

CARL CREEK RESOURCES LTD.  
B.R. JEWEL PROPERTY  
925/15W BRALORNE AREA, LILLOOET M.D., B.C.

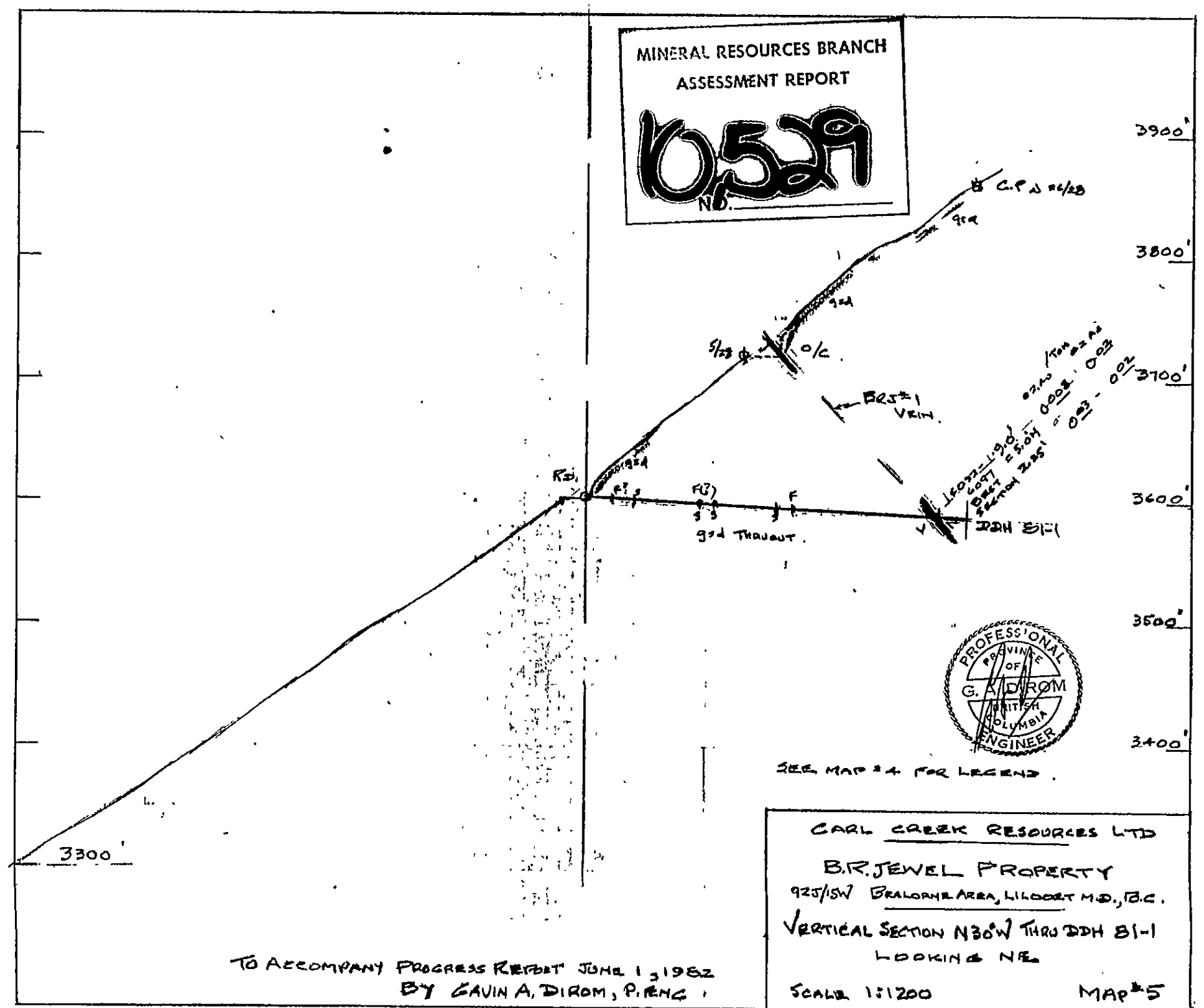
N55°E LONGITUDINAL VERT. SECTION  
FROM BRJ VEIN ADIT TO SOUTH PROJ. 2  
SHORT O'BACON VEIN.

SCALE - 1:1200 MAP #9



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT

**10529**  
NO.



SEE MAP #4 FOR LEGEND

CARL CREEK RESOURCES LTD  
B.R. JEWEL PROPERTY  
925/SW BRALORNE AREA, LILLOOET M.D., B.C.  
VERTICAL SECTION N30W THRU DDH B1-1  
LOOKING NE  
SCALE 1:1200 MAP #5

TO ACCOMPANY PROGRESS REPORT JUNE 1, 1982  
BY GAVIN A. DIROM, P. ENG.