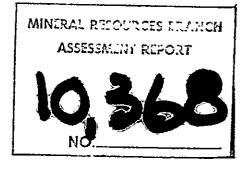
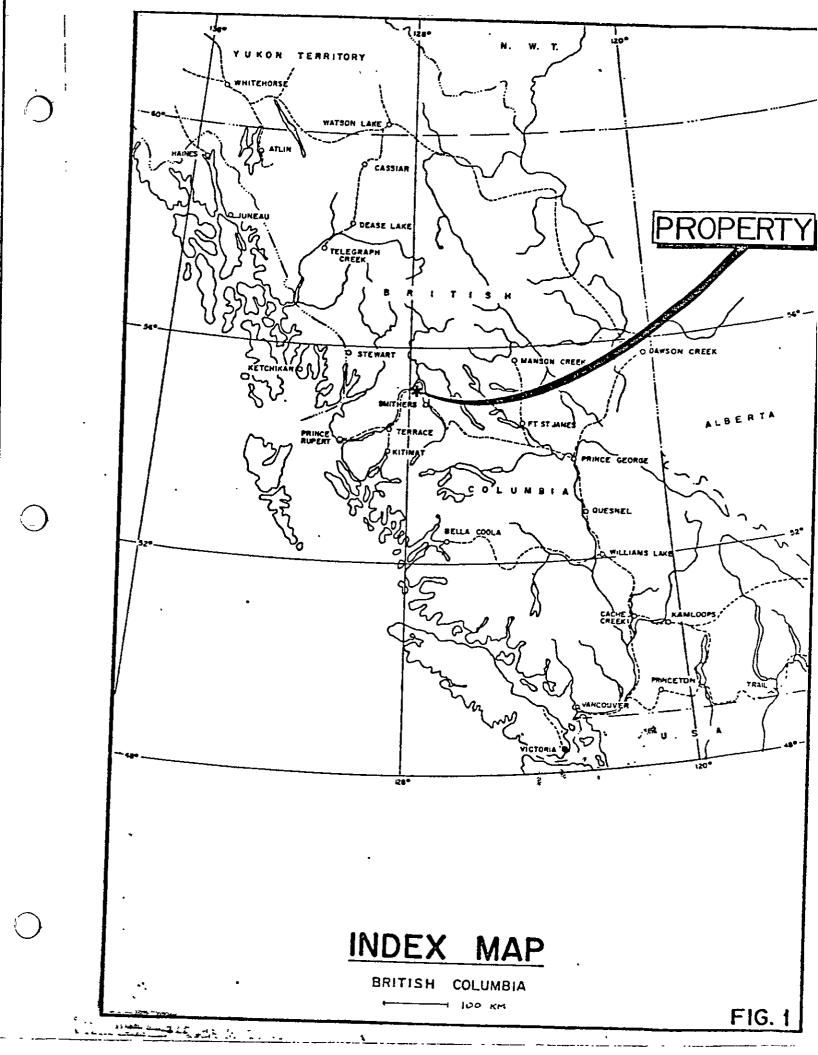
82-308-10368

DRILLING REPORT ON THE LEA'N PICK, HAZELTON VIEW, TIGER CLAIMS Roucher Deboule Property 5 N.T.S. 93M/4E 5510'N 127'38'W Omineca M.D. D. GROOT LOGGING LTD. MINERALS EXPLORATION SMITHERS B: C. D.C.PLECASH - GEOLOGIST. March. 1982





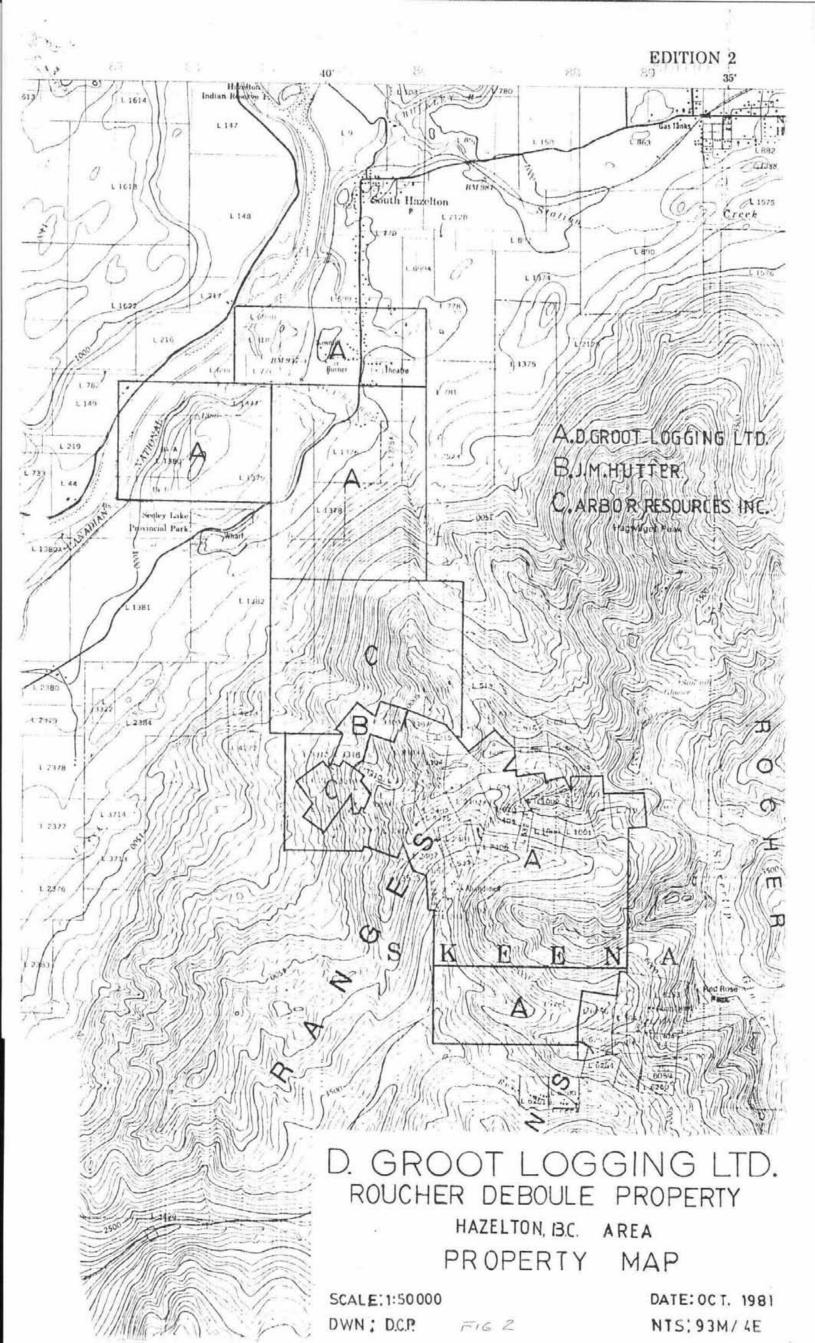


TABLE OF CONTENTS

Summary	Page
Location and Access	1
History	2
Development and Previous Exploration	2
GeologyRegional	3
Geology Local	Ĩ4
Reference	5
Diamond Drill Program	é
Conclusion	7-11
Claim List	12
Qualific ation	13
	14

Figures

 (1) Index Map (2) Property Map (3) Roucher Deboule Property and Environs . (4) Plan of 1981 Surface Work and Diamond Drillind 	•	Front Page End. Page In Pocket
(4) Flan of 1981 Surface Work and Diamond Drillind		In Pocket In Pocket

Appendices

Appendix A	-
Appendix B	Cost Statement
Appendix C:	Cost Breakdown
Appendix D	Cost Breakdown
Appendix E	. Cost Breakdown
Appendix F	Diamond Drill Invoice
Appendix G	D8HI Cat Invoice
Appendix H, H	D7H Cat Invoice
Appendix $J_1^T J_2^2$	Helicopter Invoice
1 2	Truck Rental Invoice

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Diamond drill Logs and Assay Results before Pocket.

BRITISH COLUMBIA OMINECA M.D. - 93M/4E ROUCHER DEBOULE PROPERTY

SUMMARY:

Between July 14, 1981 and October 9, 1982, D. Groot Logging Ltd. of Smithers, B.C. did work on the Roucher Deboule Property, that comprised of staking the July mineral claim of six (6) units and the star mineral claim of ten (10) units. The main existing road up to the area known as the Victoria Group above Seeley Lake, was repaired, widened and upgraded. This road was extended up into the basin and diamond drill sites were established along the road. A small camp was set up to accommodate a diamond drill crew.

Nine diamond drill holes were started and seven holes were completed. These holes were drilled to intersect a feldspar porphyry dyke, that, throughout its known length has been fractured and sheared. Subsequent, hydrothermal activity has resulted in the introduction of hornblende-feldspar pegmatites, quartz and sulphides as fracture fillings and as replacement.

The drill program was to try and explore the No. 2 vein system of the Victoria Group. The reason for this was on account of the results of previous sampling. An area of 18.1m in width gave an assay of 0.15oz Au. and another area had a width of 2.65m that in turn gave 0.58 oz Au. and 0.15% Co. It was not possible to get the diamond drill up into this area, but a parallel structure to the Victoria No. 2 vein and about 214m west was worked on. This zone is known as the Victoria No.3 vein in the old reports. The top diamond drill hole was collared at an elevation of 1627.7m and the lower diamond drill hole was collared at an elevation of 1315.0m and 723m to the northwest which is along strike of the zone.

With the short season in working in the higher elevations, it was necessary to contract some of the diamond drilling out, to get the program finished before the winter weather forced us off of the higher area.

LOCATION AND ACCESS:

The Roucher DeBoule Property is situated in West Central B.C. at latitude 55° - 10'N, and longitude 127° - 38°W. The claims are located 11km south of the settlement of South Hazelton, B.C. on the western slope of the Roucher Deboule Range.

Access to the Northern or Victoria part of the property is via a steep narrow bush road that branches off of the Comeau Ranch Road. Access to the southern or Roucher DeBoule and Armagosa part of the property is via the Juniper Creek Road which leaves Highway 16 at Skeena Crossing some 20km southwest of South Hazelton, B.C.

HISTORY:

The Roucher DeBoule Property has been active off and on from early 1910 to around 1952. The Roucher DeBoule mine operated from 1915 to 1916; 1917 to 1918; 1928 and in 1952 which produced a total of 52,719 tons of ore. The Victoria mine worked the No. 1 vein that produced shipping ore in 1918; 1926; 1928; 1940 and 1941. The total amount shipped from this vein was 90.0 tons.

The property then lay dormant until acquired by Mr. W.F.McGowan and Family. In 1981 all claims were transferred into the name of Mr. W.F. Craig of Smithers, B.C.

In 1981 D. Groot Logging Ltd. did enter into an agreement with Mr. W.F. Craig to perform work on the property, in veiw of a future mining operation.

DEVELOPMENT AND PREVIOUS EXPLORATION:

The underground working on the Roucher DeBoule consist of five adit level cross-cuts, three sub-levels and extensive drifts along the veins. In total, over 1.6km of cross cutting, approximately 2.3km of drifting and some 700 to 800 meters of raises, winzes and internal shafts are recorded.

Of particular significance is the 1200' level cross-cut adit which was driven north to the northern boundary of the old Roucher DeBoule mining companies property line. The continuance of this cross-cut into the downward extensions of the Victoria mineralized zones would form a quick access into the area.

Evidence of surface exploration on the Roucher DeBoule seems quite limited as there is no reports of any underground or surface drilling.

The Victoria ground has been explored by a number of pits and trenches plus some 540m of drifting in five adits, all of which were driven on the Victoria No. 1 vein.

The Armagosa ground has short adits and a small shaft sunk on it. Skeena Silver Mines in 1952 did some trenching on the property but the results are not available.

GEOLOGY - REGIONAL:

The Roucher DeBoule Range lies within the Intermountain Belt of the Western Cordillera and forms a segment of the Hazelton Mountains. The passively emplaced Roucher DeBoule stock forms the mountain core and is surrounded on all sides by predominantly Skeena Group volcanis and sediments. Three minor N-S striking faults cut both the stock and the surrounding strata.

The stock is composed primarily of porphyryitic granodiorite with a younger quartz monzonite phase.

Mineralization in the Mountain Range consists, for the most part, of fissure veins and shear zone replacements although a moly porphyry is presently being explored at the south end of the range.

Structurally the veins are relatively simple, striking generally east-west and dipping north on the western flank of the stock and north-south with a westernly dip on the eastern flank.

Mineralogically the veins are complex with several phases of mineralization documented.

GEOLOGY - LOCAL:

Eight major east-west striking north dipping veins spaced approximately 300m apart occur on the Victoria and Roucher DeBoule Property. The veins are predominantly developed within the Roucher DeBoule stock but have been traced westerly into the intruded volcanics and sediments.

The progression of events resulting in the formation of veins appears to be as follows:

- Intrusion and cooling of the Roucher DeBoule stock
- Intrusion and cooling of North-East trending quartz monzonite dykes
- Fracturing along present vein channels
- Intrusion of acid to intermediate porphyritic dykes along Victoria Nos. 1 and 2 and Roucher DeBoule No. 3 veiw fractures.
- Renewed movement along vein channels and introduction of hornblende quartz feldspar pegmatites together with sheelite, molybdenite and uraninite.
- Further shearing along the veins and shattering of the Victoria No. 2 dyke followed by the introduction of chalcopyrite, a tin mineral? And Glossy quartz or arsenopyrite, safflorite, cobaltite, glaucodot, pyrrhotite and Gold. (Victoria area and to a lesser extent Roucher DeBoule).
- Renewed movement and the local introduction of tetrahedrite, sphalerite, galena and pyrite.
- Faulting along north north-west and north north-east axes and the intrusion of fine grained diorite dykes.
- In spite of the number of periods movement that have apparently taken place, off sets are generally less than 30m. and more typically less than 5m.
- In the Armagosa Creek area, which very little work has been done probably due to the steep slopes that make the mineralized area fairly inaccessible. The several veins Nos. 1 to 7, and 11, occur in the sediments, these veins show a marked parallelism in striking north north-east and dip to the northwest. It is reported that there are several fine grained (Diorite) dykes close by the veins. Feldspar porphyry dykes were also noted at several points.

REFERENCES:

E.D. Kindle, 1954, P.P. 84-89; A. Sutherland Brown 1960, Bull.43. Minister of Mines, B.C. Ann Repts. 1916 P.P. 114, 115; 1917, P.P. 103, 104; 1918, P.P. 112, 113; 1925, p. 134; 1927 P.P., 132, 133; 1928, P. 159; 1940, P. 76; 1941, P. 41; 1948, P.P. 80, 81, 82; 1949, P.P. 82-93; 1950, P. 99; J.J. O'Neill, 1919 P.P. 20-23; M.W. Jasper M.E. 1951, 1952, 1953 Reports.

1981 DIAMOND DRILL PROGRAM:

Between July 23, 1981 and October 9, 1981, 80km of road was rebuilt and widened, a new road of 1113 meters was constructed, 2132 sq. meters of area cleared for 6 diamond drill set ups, 320 sq. meters of area cleared for 2 water holes and 172 sq. meters cleared for a diamond drill campsite. A total of 1281.4m of diamond drilling was completed.

Diamond drill hole No. V81-1 was drilled in a due south direction with a minus 55° dip, at an elevation of 1569.7m. The purpose of this diamond drill hole was put in to try and intersect the main east west trending structure of veiw fissures. From 0 to 12.8m were in overburden then the hole was in a zone of light to dark grey quartzites with some quartz seams shot throughout, to 39.8m. From 39.8m to 54.6m the hole went through a zone of mixed quartzites and granodiorite, with a fault zone at 54.0m. Next was an area of greywacke from 54.6m to 64.3m. The medium grey quartzites to 65.5m. A medium grey quartzites breccia with hornblende, granodiorite, quartz porphyry, quartz and feldspar porphyry was encountered between 65.5m and 82.2m. From 82.2m to 86.3m the hole was in a medium dark guartzites to a feldspar porphyry. The hole was stopped at 86.3m.

Diamond drill hole V81-2 was drilled in a S43°-30'W direction with a minus 51° dip at a 1569.7m elevation. This hole was drilled from the same set-up as diamond drill hole V81-1. The purpose of this diamond drill hole was to get another intersection of the vein structure. The hole went through 14.0m of overburden then from 14.0m to 19.5m there was ground up granodiorite and quartzites with mud seams. The diamond drill hole was stopped at 19.5m because of being unable to go any further in the unconsolidated material.

Diamond drill hole V81-3 was drilled 122m in a 569° E direction from diamond drill hole V81-1. This hole was drilled in a S02°-00'W direction at a minus 55° dip. The hole was collared at elevation 1627.7m. The purpose of this diamond drill hole was put in to again test the east-west vein structure. The first 0-3.6m were in overburden. From 3.6m to 35.4m the hole was in a mixture of feldspar Porphyry. granodiorite and hornblende. Pegmatite porphyry then appeared between 35.4m to 46.0m with a small 0.4m band of argillites at 42.4m. From 46.0m to 48.6m, appeared a band of quartz porphyry. At 48.6m to 52.4m the hole intersected mixed quartzites, quartz porphyry and feldspar. A zone of granodiorite and quart porphyry went from

52.4m to 59.9m from 59.9m to 62.2m had mixed quartzites and quartz porphyry, then from 62.2m to 66.7m was bands of argillites and quartz porphyry. A zone of Granodiorite mixed with bands of quartz and quartz porphyry went from 66.7m to 78.5m. Some mixed bands of argillites and quartzites went from 78.5m to 82.7m. Then granite appeared from 82.7m to 87.5m with a 0.2m band of pegmatite dyke at 82.7m. The diamond drill hole was stopped at 87.6m.

Diamond drill hole V81-4 was drilled from the same set-up as diamond drill hole V81-3. This was put in at a minus 90° but was stopped at 8.0m as it was impossible to get through the large granitic boulders and slide debris.

Diamond drill hole V81-5 was collared 1.0m north of diamond drill hole V81-4 at a minum 90° dip and at an elevation of 1627.7m. The purpose of this diamond drill hole was to get a lower intersection of the vein structure on the same section line. The diamond drill hole was in overburden from 0 to 12.8m. From 12.8m to 20.7m the hole went through a medium to dark grey greywacke. From 20.7m to 52.4m the hole was in a granite with bands of quartz and hornblende scattered throughout. A 3cm fault was encountered at 47.1m and a 1.0m band of argillites appeared at 45.3m. Next came a zone of small bands of hornblende with pegmatite dyke in granite between 52.4m and 71.3m. There is also a locm fault at 70.7m and a 20 cm fault at 71.3m. From 71.3m to 83.4m the hole went through dark to medium grey quartzites with some bands of argillites between 71.3m and 78.8m. From 83.4m to 98.1m are mixed bands of granodiorite, quartz, hornblende and pegmatite a fault zone of 8cm to 98.1m. Quartzites with bands of granodiorite and feldspar porphyry showed up next between 98.1m to 108.2m. Between 108.2m and 113.7m is a band of argillites, then medium grey quartzites from 113.7m to 118.9m. The hole encountered a large zone of quartz porphyry between 118.9m to 188.7m which has intrusions of granodiorite quartz, pegmatite and a band of quartzites between 178.8m to 182.9m. A 6cm fault seam at 182.6m. From 188.7m to 191.1m is a zone of soft recemented argillites and quartzites. The hole now enters banded and brecciated quartzites that are quite choritic. From 196.4m to 208.3m the hole is in a quartz porphyry, with medium grey quartzites and pegmatite dykes between 197.5m to 199.5m. From 208.3m to 212.4m the diamond drill hole is in granite. The diamond drill hole was stopped at 212.4m.

Diamond drill hole No. V81-6 was drilled ll6m from diamond drill hole V81-1, in a N72° W direction at an elevation of 1539.3m. The hole was drilled in a S24-00'W direction with a minus 55° dip. The purpose of this hole was to have

another intersection of the vein system towards the westerly direction. From 0 to 3.4m the hole was in overburden. Mixed granodiorite and quartzites with some feldspar porphyry was first intersected between 3.4m and 21.3m, then the hole went into a band of greyish green quartzites with feldspar porphyry from 21.3m to 26.8m. Between 26.8m to 36.9m was a zone of granodiorite. From 36.9m to 64.0m the hole intersected a dark to medium greyish green quartzites intruded by small bands of quartz feldspar porphyry and granodiorite. Another zone of granodiorite with a few small zones of quartzites and feldspar porphyry from 64.0m to 81.1m. From 81.1m to 126.8m the hole was in dark quartzites with bands of granodiorite and feldspar porphyrys. The diamond drill hole was stopped at 126.8m.

Diamond drill hole No. V81-7 was drilled from the same set-up as diamond drill hole V81-6 but with a minus 90° dip. The purpose of this diamond drill hole was to get a lower intersection on the vein structure in the same section plane. The hole was in overburden from 0-34° then went into mixed granodiorite and quartzites from 3.4m to 8.5m next a zone of granodiorite with a few bands of feldspar porphyry between 8.5m to 16.2m the diamond drill hole went back into mixed granodiorite and quartzites to 21.3m. From 21.3m to 88.4m the hole was in different coloured quartzites with little stringers of quartz, small bands of granodiorite and bands of feldspar porphyrv. A little band of hornblende appeared at 63.8m between 88.4m and 162.2m the hole intersected an area of quartz porphyry with bands of quartz, granodiorite and feldspar porphyrv. A 1.3m band of argillite appeared at 100.0m and hornblende appeared in small veins between 154.2m to 161.5m. The diamond drill hole ended in a zone of dark greyish green quartzites with small stringers of quartz and little bands of feldspar porphyry to 193.9m. The diamond drill hole was stopped at 193.9m.

Diamond drill hole V81-8 was drilled 216m away from diamond drill hole V81-6 in a N43°W direction. This diamond drill hole was collared at an elevation of 1458.5m and put in at a minus 90° dip. The purpose of this diamond drill hole was to aqain intersect the vein system at a further distance to the west. From 0 to 18.9m the diamond drill hole was in overburden. From 18.9m to 68.9m the diamond drill hole was in a dark grey quartzites with some bands of feldspar porphyry. The hole went into a medium grey quartzites from 68.9m to 179.0m with the odd narrow band of granodiorite and quartz stringers with bands of feldspar porphyry. A small 15cm band of argillite appeared at 87.9m. At 174.9m to 200.9m the hole intersected a zone of granodiorite with bands of feldspar porphyry and quartz stringers, between 182.0m to 200.9m small bands of granite up to 16cm wide appeared.

From 200.9m to 227.4m the hole was in granite with small veinlets of hornblende and feldspar porphyry to 214.5m then some granodiorite and pegmatite dyke to 227.4m. From 227.4m to 239.6m the hole was in a pegamtite dyke with a few quartz stringers and granodiorite, at 233.5m to 236.5m was a zone of dark green quartzites. From 239.6m to 247.5m the hole intersected an area of quartz porphyry. Then went into mixed granite and pegmatite dyke with a few bands of granodiorite to 253.0m. Between 253.0m to 262.0m the hole intersected a zone of dark granite with a 15cm fault zone at 253.6m and a 1.2m band of light buff granodiorite at 260.8m. A dark grey quartzites appeared between 262.0m and 264.0m the then there was a pegamtite dyke from 264.0m to 266.1m. At 266.1m to 278.9m the hole went through a fine quartz porphyry with a small band of quartz and a zone of mixed granite and pegmatite between 275.5m and 278.9m. Between 278.9m and 287.3m the hole was in a pegmatite dyke with large coarse crystals. At 287.3m to 287.9m the hole is in a fault zone then goes into a dark soft argillite to 289.6m. The diamond drill hole was stopped at 289.6m.

Diamond drill hole V81-9 was drilled 290m in a N39°W direction from diamond drill hole V81-8 at an elevation of 1315.0m. The diamond drill hole was drilled in a SO3°-co'W direction at a minus 52° - 30' dip. From 0 to 9.1m the hole was in overburden. The hole intersected a zone of mixed quartzites and granodiorite with bands of feldspar porphyry. And little stringers of quartz from 9.1m to 80.6m. Be-, tween 80.6m to 116.4m. The hole was in a greywacke with a 2.5m band of argillaceous shists at 81.5m and then mixed quartz stringers, granodiorite and feldspar porphyry, also a band of dark grey quartzites from 101.2m to 110.6m with some argillites and feldspar porphyry. The hole intersected a zone of granodiorite with some quartz stringers and feldspar porphyry between 116.4m to 136.6m. At 136.6m to 149.7m the hole was in an area of greywacke that was intruded by granodiorite, little quartz stringers and feldspar porphyry. From 149.7m to 172.8m the hole was in a dark to medium grey banded quartzites with small stringers of quartz in granodiorite and feldspar porphyry. Fine grained quartz porphyry was intersected between 172.8m to 199.5m this area had some small quartz veinlets with some arsenopyrite and some garnets on some of the fractures. At 199.5m to 211.0m the hole went through a zone of granodiorite with small stringers of quartz. A 0.5m vein of quartz carbonate was encountered at 207.9m. From 211.0m to 222.2m the hole was in an argillite area. This had some quartz veining with a little feldspar porphyry and a 0.9m vein of quartz carbonate at 217.0m. Between 222.2m to 227.7m the hole was in a zone of granodiorite with little stringers of quartz and some felspar porphyry. From

227.7m to 233.0m the hole was in a bed of greywacke then between 233.0m to 251.5m the hole was in a quartzites with some feldspar porphyry. A black band of argillite showed up between 238.4m and 238.8m. The diamond drill hole was stopped at 251.5m.

D.C. Plecash GEOLOGIST

CONCLUSION:

The diamond drill program on the Roucher DeBoule property in the Victoria area showed that the top diamond drill holes Nos. V81-3 and V81-5 were drilled in the granite stock that was intruded by granodiorite, pegmatite and feldspar porphyrys. Hornblende was found in the granodiorite associated with bands of quartz. These hornblende quartz zones carried some arsenopyrite cobalt and gold minerals. The remaining diamond drill holes which continue to the west and collared at lower elevations were drilled where the contact of hornfelsic greywacke and quartzites. Diamond drill hole V81-8 did have a little granite in it that resemble the granite in diamond drill hole V81-3. It is noted that the granodiorite, feldspar porphyrys, quartz veinlets and hornblende do intrude into the sediments, and also that the structure does follow along an east west strike. The top diamond drill holes Nos. V81-3 and V81-5 go through a host of rocks that do resemble the same host of rocks that has been described of the No.2 vein. The area tested has a overall length of over 724m. With this area now opened up as far as accessibility is concerned, more work could be preformed during the short work season than previously. Also with the water catch basins that were dugout lends to a lesser problem of a diamond drill program.

GEOLOGIST

SCHEDULE "A"

•

Name of Claim	Lot No.	Record No.	Expiry Date	Recording Date
Hazelton View	3299	401	Aug. 25, 1982	1976
Lead Pick	3300	402	HUY: 23, 1902	1970
Moose	3301	403	n	
Elk	3302	40 4	77	
		··· ·		
Delta Fraction	604	455	Oct. 26, 1986	1976
Joe Fraction	533	456	n	
Juniper	2400	457	ti	
Balsam	2401	458	n	
Jack Pine	2402	459	89	
Timber Line	2403	460	ų	
Iowa	2404	461	t1	
Log Cabin	2405	462	tt.	
Balsam Fraction	2406	463	ti	
Pie Fraction	2407	464	11	
Third Fraction	2408	465	11	,
Victoria	3303	466	Oct. 26, 1987	
Belle View Fraction	3304	467	Oct. 26, 1986	
	3305	468	**	
Belle Fraction Mammoth	3306 3307	469	11 11	
Tiger	3307	470	n	
Bowl Fraction	3315	471 472	**	
BOWI PLACEION	3313	4/2	••	
Summit	605	555	April 5, 1984	1977
Great Ohio	702	556	n n n n n n n n n n n n n n n n n n n	1911
Pilot	704	557	**	
		•••		
Summit Fraction	-	582	April 6, 1984	1977
Waterfall Fraction	on -	583	April 22, 1983	1977
Coral Queen	532	616	June 21, 1982	1977
Lucky Jack	603	617	17	
Islander	710	618	•	
Golden Fleece	1001	619	E3	
Happy Jack	1003	620	n	
Zig Zag Fraction	1005	621	•	
Balmoral	1002	622	83	
Highland Boy	1000	623		
Independance				
Fraction	4275	687	July 25, 1982	1977
Red Cross	3310	1372	Sept 13, 1983	1977
Leo	1-20	3110	Aug.19,1983	<i><i>L</i><i>V i i</i></i>
Star	1-10	3986	Aug. 7, 1982	
July	1-6	3987	Aug. 7, 1982	
•	-			

- I, Donald C. Plecash, of 3869 12 Avenue, Box 2694, Smithers, B.C. Certify that:
- 1) I attended Queens University, Kingston, Ontario from September 1947 to May 1950.
- 2) I was employed by Yale Lead & Zinc Mines of Ainsworth, B.C. as a Mine Surveyor, Junior Engineer and Junior Geologist from 1950 to 1956.
- 3) I was employed by Canam Copper Mines Ltd. of Hope, B.C. as a Mine Engineer and Mine Geologist from 1956 to 1957.
- 4) I was employed by Reeves MacDonald Mines Ltd. of Remac, B.C. as a Mine Engineer and Mine and Exploration Geologist from 1957 to 1969.
- 5) I was employed by Norex Uranium Ltd. of 605-535 Thurlow Street, Vancouver, B.C. as Exploration Manager and Geologist from June 1969 to October 1969.
- 6) I was employed by Nadina Explorations Ltd. of 1005-789 West Pender Street, Vancouver, B.C. as Mine Engineer and Mine Geologist then Mine Manager from November 1969 to September 1973.
- 7) I was employed from September 1973 to April 1980 in another industry.
- 8) I am employed by D. Groot Logging Ltd. of Box 520, Smithers, B.C. as a Geologist from May 1980 to present time.

Const

ROUCHER DEBOULE COST STATEMENT 1981

Road Building

Diamond Drill Set Ups

Water Supply Locations

Equipment Rentals

Helicopters

Cats

Trucks

Diamond Drilling

Assaying

\$ 188,802.17

D.C. Plecast

COST BREAKDOWN

DIAMOND DRILL PROGRAM SITE PREPARATION

Grading Existing Road 8hrs @ 1	90.00/hr \$ 720.00
Road Building 61m x 4m 4.6hrs @ 1	
Lower Water Hole 35m x 8m 5.3hrs @	
Upper Water Hole 50m x 8m 7.6hrs @	
Campsite 22m x 8m 3.3hrs @	
Unused D.D. Site 14m x 8m 2.2hrs @ 9	
D.D.H. V81-6&7 Site 60m x10m 11.6hrs @ 9	
D.D.H. V81-8 Site 42m x10m 8.2hrs @ 9	
D.D.H. V81-9 Site 40m x10m 10.2hrs @ 6	
2628m ²	<u></u>
Cat Swamper & Labourer	
M. Chapman 9 days @ \$106.50 includes Fr	ringes 958.50
Supervisor	Jee 100.00
D. Plecash 4 days @ \$196.43	
4 x 4 Vehicle 4 days @ \$35.00/day	140.00
Gas & Oil	55.00 195.00

Total

<u>\$ 7,158.92</u>

COST DISTRIBUTION

- - -

Lead Pick	R 402	\$ 1,086.43
Hazelton View	R 401	2,690.49
Redcross	R1372	1,185.58
Tiger	R 471	2,196.42

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\$ 7,158.92

be D.C. Plecash GEOLOGIST

В

COST BREAKDOWN

DIAMOND DRILLING 1281.4m (4204')

D. Groot Logging Ltd. 671.2m (2202')			
Moving D8 Cat B.Devins Moving D7 Cat Mico & Sons B. Devins Cat Job Backup Mico & Sons Cat Job Backup Moving Drill - Smithers & Return	\$ 320.35 99.50 8,928.00 5,322.30 464.60	• . \$	15,134.75
4 x 4 Pick up Rental			
Bow Mac Rentals Gas & Oil W. Maitland 4 x 4	1,421.13 681.30 160.00		2,262.43
J. Holland Enterprises - Diamond Driller R. Groot - Wages, Bonus, Fringes - Drill helper Supplies	15,936.40 11,699.35		
Fuel & Lubricants Bits, Rods, Casing, Etc. Core Boxes & Lids 115 @ \$6.20 Equipment Write-off Camp Supplies Watchman	5,762.86 14,503.15 713.00 13,735.45 1,328.00		
M. Chapman 4 days @ 125.00/day includes fringes	500.00		
J.T. Thomas - Diamond Drill Contract 610.2m (200 Invoice	500.00)2') 74,281.00		64,178.21 74,281.00
		<u>></u>	155,856.39

Cost Distribution

Lead Pick	R 402	45,523.64	470 7-
Hazelton View	R 401	81,531.17	419.7m 610.2m
Red Cross	R1372	900.00	010.2m
Tiger	R 471	27,901.58	251.5m

- -

D.C. Plecash

GEOLOGIST

COST BREAKDOWN

SUPERVISION, CORE LOGGING, MAPS,	REPORTS ETC.	
Helicopter Rental		
2 trips Smithers & Return	\$ 1,225.60	
D.C. Plecash Supervision on Job 58 days @ 196.43 Logging & Spliting core 10 days @ 196.43 Maps & Reports 5 days @ 196.43 Typing, Blue prints, Photo Copies, Etc.	11,392.94 1,964.30 982.15 300.00	
4 x 4 Vehicle		
58 days @ \$35.00/Day Fuel & Lubricants	2,030.00 771.46	
Assay and Freight Costs	7,120.41	<u>\$ 25,786.86</u>

Diamond Drill Core Stored at D. Groot Logging Ltd. Sawmill ,Tatlow Road, Smithers, B.C.

COST DISTRIBUTION

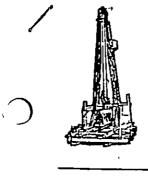
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D. C. Plecash GEOLOGIST

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Dait Tel.

i.



J. T. HOMAS

DIAMOND DRILLING (1980) LTD.

PH. 847-3531 P.O. BOX 394 VOJ 2N0

SMITHERS, B.C.

To: D. Groot Logging Ltd. P.O. Box 520 Smithers, B.C.

Invoice # 81-1 Invoice Date: <u>September 30, 1981</u> Property: <u>Hazelton</u>

This is our invoice for diamond drilling and other services on the above property as per contract. Drill 44-1.

Diamond Drilling: See attached Page 2. Total Footage - 2091'. 2007 Man and Machine Hours: See attached page 3. Materials used, lost or damaged: See attached page 3. $72 \circ 72...$ 75.456.00 1.875.00 234... 878.00 234... 789.00 78.111.0074.281 co

The above calculations are agreed to by:

Company Representative

J.T. Thomas Diamond Drilling

74 281

B. DEVINS CONTRACING LTD. P.O. BOX 62 TELEPHONE 847-2583 SMITHERS, B.C. VOJ 2NO OPERATOR'S DAILY EQUIPMENT REPORT Location DGRCOT 1.04:3 ITA Equipment No. Date Jug 12 12 Signa 54 Day Shift Area HAZLTAN MUMUNY Night Shift Hours Operator's Hours Ľ Machine Hours ()Hours Idle Service . 90.00 Repairs MALE REMARKS 500,00 BL1 MILLINS No. of Loads or Trips Type of Work OPERATOR'S SIGNATURE 90 4390 Nº 590 90 4515 -66 3 OF DAN PAYAJENT FOREMAN'S SIGNATURE SEE-MOORE PRINT - SMITHERS Persetter Vebace

N. and a suns logging lith. Box 155, New Hazelton, B.C. DATE (7 17 19.) то 1-01 X ジス بسبي يركسان VUSZX6 QUANTITY DESCRIPTION TOTAL PRICE \$19.17 12 10 13 5 17 15_d ------1 1: ٢ 16 22 32. in king 5 C <u>ر، مـ</u> 50 2.1 7 ----1 son to 0-0 25 ~ 4 28 Pellet Co. 1----10 27 4 6.--30 e, 1 4 Ĵ 5 161 1 1<u>/2</u> 7 21 <u>Š</u> ŝ 9 ٠,Ł 5167 0-0 7 63.5 94 102 0 -MI- TOTAL OF Nº 50 068 (103195) SEE MOORE PRINT - SMITHERS FOULHES DEIBALLE

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Ĩ.	PIE	TEL (604) 270-550	07 TELEX- 04-35	5594	- 1		CONTRACT X DAILY 30 DAYS INIMUM 30 DAYS 29 DAYS UR MOR	CONTRACT			
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\bigcirc	CUSTOMER NAME	Non Lo	ging					NAME	<u>An</u>	NUM	JER
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- NUHBER - 560 OKANAGAN HELICOPTERS LTD. 4391 AGAR DRIVE, INTERNATIONAL AIRPORT VANCOUVER, B.C. V78 TAS UAP MO FLIGHT DATE 18 TEL. (404) 278-5502 TELEX- 04-355594 14 1 71 TYPE OF CONTRACT X CONTRACT NO BASE No DART SUB NO TYPE OF FLYING έ., BASE MAME 30 DATS OR MORE AINIMUM 1 29 DAYS AIRCRAFT TYPE AIRCRAFT (QDF AIRCRAFT CALL SIGN 210 FLIGHT LOCATION TOMER NAME AND FUGEL ひん ING CLASS NO 213 PLOT No 1 NUMBER si ne PILOT No 2 21 204 0 PO NUMBER NO PASSENGERS ENGINEER No 1 FREIGHT LIS CARGO DECLARED VALUE --10 ENGINEER No 2 3 31 OPERATION TAKE OFF cheid-Doule LIND FLTING TIME 3 1 h ° () シロイ 111 GL DIV) BUB EXTRA CHARGE OR ADJUSTMENT AMOUNT NON REV HRS REV HRS TOTAL HOURS 3 TARIFF TARIFF RATE AMOUNT ZONE CODE ANA UNING 24", PER ANN IND VILL BE CHAPGED ON OVERDUL INVOICES 3.1600 -55% x. OUR FUEL GALS /LTRS 30 @ OUR FUEL GALS LIRS ξi'...... ARRIAGE OF PASSENGERS, BAGUAGE AND GOODS BY OKANAGAN HELICOPILEY ITD. IS SUBIFLET TO THE S. CONDITIONS AND LIMITATIONS, OF LIABILITY SET FORTH IN ITS TARIFF HE OF LIABILITY FOR LOSS OR GETO-GOODS IS LIMITED TO SO CENTS PER POUNDLETLED WITH THE ALC AN FX RACT OF WHICH IS ABLE FOR EXAMINATION AT THE OFFICE OF OKANAGAN HELICOPILES LID 51 2 . . OUR FUEL GALS LIRS OUR OIL - HRS NAME OF PERSON AUTHORIZED TO SIGN FOR CHARTERER ۲ 10 R CHARTERER BY άς. / i ĩc SIGNED FOR GARRIER BY n15 EXTRA CHARGES Ċ, SUB TOT 0 2 c^{γ} TOTAL S 130 Ġli H-Z

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	ETWEEN		DIVISION	OF BOWELL	MCLEAN M	OTOR CO. L	. TD. NY AG		CODE	_	
AND D. G.	THE ATTACHED VEHICLE INSPECTION R DATED THE SAME DATE AS THIS RENTAL A MENT BECOMES A PART OF THIS RENTAL A					REF					
ADDRESS			MENT. MILES/KM IN	12/3		 					
CITY	<u>_{</u>	5.			·	MILES/KM	1. 7	DATE OUT '		TIME	_
P.O. NO.					PLACEMENT VEHICLE	MILES/KM	11-1-1-1	TOTAL	<u>† </u>	TOTAL	
		UNIT /			<u> </u>	RUN MILES/KM		DAYS I U JUA		HOURS	
IS TO BE USED		<u>NU. 7. 6-</u>	6744		·	ALLOWED		855	5***	UNIT NO	
THE LESSEE AGREES TO R	ETURN THE V	EHICLE TO TH		KMS OUT		EXTRA MILES/KM	•	JE-M	42.4		,
OWNER ON DATE			19			۔				·····	
ALL ACCIDENTS TO B	AGENT. SOLOO LIABILITY Sound LISSIC AGERS TO PART THE OWNER TO ALL CLOSS ON ALL DAMAGES RESULTING FROM COLLISION WITH AN						NEEKS @	, WE	ОNТН 	· · · ·	·
······································	DITY	\$1,000 l)AYS @ ,	- <u>/</u> DA			-		
		D DAMAGE TO VEHICLE LIVITED DAMAGE TO VEHICLE LIVITED			IF AGHEES 10 PA-		<u>~/ []</u> AILES/KM @		_ES/KM		
FROM COLLISION W UNDERPASS OR OTH	ITH AN IER OB-	PHONIDED VEHICLE &	PROVIDED VEHICE USED IN CONFOR AGREEMENT BUT	DOOPERACCIDENT E IS OPERATED OR 9 IT WITH RENTAL RENTER SHALL BE	OTHER (TA		<u>) 18</u>	··			
JECT DUE TO INSUFFICIENT CLEARANCE OF HEIGHT OR WIDTH ARE LESSEE RESPON- SIBILITY.		If SAU VIEWER EVENANCE INFLATION OF INTS REAL VIDLATION OF AND LAVY ON INTS REAL VIDLATION OF TAL CONTRACT VIDLATION OF TAL CONTRACT VALUE CHARGES VIDLATION OF TAL CONTRACT VIDLATION OF TAL CONTRACT VALUE CHARGES VIDLATION OF TAL CONTRACT VIDLATION OF TAL CONTRACT			HARTE FOR ALL SACH DAMALE * VEHICLE P. OPPHATED P ON OF ANY , AN OR THIS HER NTRACT	-	SUB TOTA		445		
					N(H OR 1035,	1.4	SS TAX		324		
	Failure of the Lessee to return the vehicle within three days after the s constitute an unauthorized taking, use and operation of the vehicle and penses incurred by the Owner for seizure and return of the vehicle to the				A.NA 11411	1 ~ `	· [-		447 0		
penses incurred by the O					ofe and ov	DAMAG (ESTIMA) ATTACHE	E BODY		447 A		┥
 Lessee hereby indemnifie a result of violation by L Lessee agrees to be response 	es Owner again sessee of this onsible for all of the second seco	agreement as	: to traffic -	and/or norther	wolatiana		TIRES		447 B	· · · · · · · · · · · · · · · · · · ·	
	LUBF	UCANTS ETC									-
5 Lessee agrees that the ve does Owner give its cons	ehicle herein o sent, expresse	d or implied to	nol be use	d, operated or	driven, nor				<u> </u>		
IN OR BETWEEN THE LESSEE AGREES TO RETURN THE VEHICLE TO THE OWNER ON DATE 19 ALL ACCIDENTS TO BE REPORTED IMMEDIATELY TO AGENT. ALL TRAFFIC VIOLATIONS AND ALL DAMAGES RESULTING FROM COLLISION WITH AN UNDERPASS OR OTHER OR WIDTH ARE LESSEE RESPON- SIBILITY. 1 Failure of the LESSEE to return the vehicle within three days aft constitute an unauthorized taking, use and operation of the vehicle shall be recovered from the LESSEE 2 Lessee apress to be responsible for all damage to the vehicle with by negligent operation of the vehicle with LACK OF WATER - OIL LUBRICANTS ETC 4 Lessee agrees to report all accidents and failures to the Owner un 5 Lessee agrees to report all accidents and failures to the Owner un 5 Lessee agrees to report all accidents and failures to the Owner un 5 Lessee agrees to report all accidents and failures to the Owner un 5 Lessee to be the only authorized driver unless second driver's sig 6. Renter is responsible for all damage to vehicle including all II IVWE HEREBY AGREE TO BE BOUND AND COMPLY WITH ALL OF CONDITIONS WHICH INCLUDE THE TERMS AND CONDITIONS OF HEREOF 2 SEEE'S SIGNATURE DEPOS DATE 2 SEEE'S SIGNATURE DEPOS					ded below	PLUS FUEL			448		Ţ
CITY		re and tube re	pairs.			/DAY	446		┦		
HEREOF						COLLISION	GO INSURANCI		446		
ESSEE'S SIGNATURE	Lessee agrees that the vehicle herein de does Owner give its consent, expressed driven by any other person than the Les named. Lessee responsible for all windshield di Lessee to be the only authorized driver u Renter is responsible for all damage to WE HEREBY AGREE TO BE BOUND AND ONDITIONS WHICH INCLUDE THE TERM EREOF SEE RE					DAMAGE LIABILITY WA TOTAL			220	1. 1.	$\frac{1}{2}$
RIVER'S SIGNATURE	; 	DATE		AMOUNT	CASH C.C	CASH TOTAL			220	11 4	1
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RENTAL CONTRACT BETWEEN BOW MAC TRUCK RENTALS IN	A DIVISI	ON OF BOY	YELL MCLEAN N	MOTOR CO. LTD.	AGENT/CITY			
) AND D. C. C. C. C. C.	<u>MINIA</u>	UB	(LESSEE)	I DATED THE	CHED VEHICLE IN SAME DATE AS 1 DMES A PART OF	ruie a	CNTAL ACO	CI
ADDRESS CIUX	321 96. 11 A.T.	200		MILES/KM	DATE	. 77		
			REPLACEMENT	OUT	UT DATE	11		
P.O. NO.	LOWING VEHICLE			MILES/KM	17- TOTAL	<u>مەلمەت</u> ~- بر	TOTAL .	-
VEHICLE	UNIT NO.	U	KMS	MILES/KM	/ / 3. DAYS	<u> </u>	HOURS	_
IS TO BE USED IN OR BETWEEN			IN		00			_
THE LESSEE AGREES TO RETURN TH OWNER ON	E VEHICLE TO THE		KMS OUT	MILES/KM /	1/5		1. 14	ŕ
DATE	19			MONT	HS @ 1600%	ONTH	1	Ϊ
ALL ACCIDENTS TO BE REPOR AGENT.	TED IMMEDIATELY	TO NEARES	ST BOW MAC	WEEK	· · · · · · · · · · · · · · · · · · ·	EEK		1
	S100.00 LIABILITY By SIGNING LESSEL AGREES TO	PAY BI SIGNIN	00 LIABILITY	O DAYS	0 / / D/	NY	11:15	
ALL TRAFFIC VIOLATIONS AND ALL DAMAGES RESULTING	THE OWNER FOR ALL LOSS DAMAGE TO VENICLE LIMIT HOWEVER TO STOLD FER ACCIDE	AN HOWEVEN	TO VEHICLE LIMITED	1/ F, MILES	KM @	LES/KM	1-1	Ť
FROM COLLISION WITH AN UNDERPASS OR OTHER OB- JECT DUE TO INSUFFICIENT	PHONOTO VINCLE IS OPERATED UPED IN CONTONNITY WITH AIN ALIREEMENT BUT HENTER SHALT FULLT LIARLEFOR ALT SUT M DAM. IF SAUD VINCLE IS OPERATED	AGL FULLY CIAL	VENICLE IS OPERATED OR ONI OHMITY WITH HENTAL IF BUT DENTER SHALL BE ITE FOR ALL SUCH DAWAGE	OTHER (TAXABL			1.2.6	Ľ
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¹ Failure of the Lessee to return the	vehicle within three days	after the same		DAMAGE	MECHANICAL	447 0	- 206	6
 constitute an unauthorized taking, t pensos incurred by the Owner for se shall be recovered from the Lesset Lessee hereby indomnifies Owner and 	izure and return of the ve tainst any fines or penalty	hicle to the O	wher's premises	(ESTIMATE ATTACHED)	BODY	447 A		
 a result of violation by Lessee of 1 a Lessee agrees to be responsible for by negligent operation of the vehic 1 E. OPERATING VEHICLE WITH 	his agreement as to traff all damage to the vehicle w cle 4 LACK OF WATER - O	vhile in his po:	king violations ssession caused		TIRES	447 B		
4 Lessee agrees to report all accident 5 Lessee agrees that the unbials have	s and failures to the Owne	r immediately	on occurrence			-		
driven by any other person than it	e Lessee or such other d			PLUS FUEL		448		
 Lessee responsible for all windshill Lessee to be the only authorized of Renter is responsible for all dama 	iver unless second driver's to vehicle, including a	ii iire and iuz	oe repairs.	INITIALS	IRANCE /DAY	446	· · · · ·	-
CONDITIONS WHICH INCLUDE THE HEREOF	AND COMPLY WITH ALL TERMS AND CONDITION	OF THE ABO IS ON THE "R	/E TERMS AND	CARGO IN	SURANCE /DAY	446		
	E REVERSE SIDE			COLLISION DAMAGE	CONTAX	446	' 54	f
ESSEES SIGNATURE	DE	POSIT PAID		TOTAL	20001		18-1	~
DRIVER'S SIGNATURE	DATE INITIAL	AMOUNT	CASH CC	CASH TOTAL	20001	220	201.	/
				CHARGE		1	•	
				TOTAL DEPOSIT			•	
DRIVER'S LICENSE NO.	EXPIRY DATE	PROVING	:Е	REFUND RECEIVED X				-
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REDIT REFERENCES	·					<u> </u>		_
/	Not in it	<u> </u>		· · · · · · · · · · · ·	INVOICE NUMBER	13	88154	
EMPLOYED BY					TERMS - PAYA	BLE C	N RECEIPT	
ADDITIONAL INFORMATION					- 2% IN	TERES	ST AFTER 30 PER ANNUM	b
N THE EVENT OF A BREAKDON OSS OF TIME, WAGES OR FOR AL	N. BOW MAC TRUC	CK RENTA	L IS NOT RES	PONSIBLE FOR TIAL DAMAGES	FEMIT TO 730 MALKI	IN AVE		'

_____SEE GANADA WIDE LOCATIONS AND PONDITIONS ON PROFERENCE

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PROPERTY	<u>CDEBOULE</u>					HOLE	NO	<u>.v81</u>	-1			
Latitude	Elevation_1569.7m	Searing Due So	outh I	epth ₈₆	5.3m	Star	ted Auc	17 ,	1981	Comple	eted A1	 זת 14.
Departure	Section		I	rilled	By_D.	Groot	Logging	Logge	d By <u></u>	D.C. F	·lecasł	1
Depth Feet	Formation		Sample No.	From	То	Width	<u> </u>		Assa	<u>vs</u>		<u></u>
0- 12.8m Overburden								<u> </u>				
12.8m Light grey t	o medium grey quartzites									+		
	crushed core from 12.8m to 2	<u>0.4m</u>								+		
23.5m 21.5m to 2	1.6m feldspar porphyry									1		
23.5m Darker grey (<u>uartzites</u>									1	1	
29.6m quart	z seam 5cm wide									<u> </u>	<u>†</u>	+
31.1m guart	<u>cz seam 5cm wide, core to bed</u>	25°									1	
31.4m guart	z seam 5cm wide, core to bed	90°									+	+
33.8m clear	quartz crystals 7mm in size										+	<u>† </u>
built up on	fracture plane										1	1
39.8m 34.4m has 8	cm of feldspar porphyry					,					 	
39.8m Broken and cr	ushed pieces of mixed quartzi	tes∙				·					1	
3.6m and granodior	ite											1
3.6m Grey Quartzit	es - Broken Core											
47.9m to 48.8	m granodiorite											
4.6m 54.0m to 54.6m recemented con	n. Fault zone crushed and											.

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PROPE	RTYROUCHER DEBOULE					HOLE	NO	<u>l-1</u>	<u></u>	
Latitu	de Elevation1569.7m	Bearin	8 Due South	Depti	<u>86.3</u>	m Start	ed	c	ompleted	··
Depart	ureSection	Dip	<u>-55°</u>	Drill	ed By_		Logg	ed By D	.C. Pleca:	sh
Depth Feet	Formation		Sa N	mple Fro	m T	o ⁻ Width	<u> </u>	Assav	s	
54.6m	Light to medium colour greywacke									
64.3m										
64.3m	Medium grey quartzites									
65.5m	5cm feldspar porphryr at 64.6m									
65.5m	Medium grey quartzites breccia									
	67.1m to 68.0m Small veinlets of									
	hornblende with a few flecks of									
	arsenopyrite.						_			
	69.8m to 70.1m quartz porphyry									
	70.7m to 72.5m bands of quartz appea	ring								
	76.5m to 76.8m light greenish buff									
	coloured quartz									
	76.8m to 80.8m mixed quartz, hornble	nde								
	and granodiorite with chlorite									
82.2m	79.8m to 80.1m feldspar porphyry									
82.2m	Medium dark quartzite.				1					

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Page 3 of 3

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	ROUCHER DEBOULE					HOL	E NO.		-1			
Latitude_	Elevation 1569.7m	Bearing Due Sou	ith_I	epth_8	6 <u>3m</u>	Star	ted	<u> </u>		Comple	ted	
eparture	Section	Dip55°	I	rilled	ł By		- , -, _	Logge	ed By_	D.C.	Plecas	b
Depth Feet	Formation		Sample No.	From	То	Width	1	1	Assa	<u>ys</u>		
	83.2m to 83.7m cave - 20cm core loss											1
	83.7m core becomes more chloritic											
	To end of hole					1					1	\uparrow
	85.0m to 85.3m feldspar porphyry						1	1	1	+		+
86.3n	85.7m to 86.0m feldspar porphyry					1	1	1	1	1	•	+
			•			1	1			1	<u>†</u>	\dagger
	End of Hole at 86.3m					1		1		1	+	
			_						1	1	+	1
								1		1	<u>†</u>	1
					-			1		1	+	1-
								1				\uparrow
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Latitud	e Elevation_1569.7m	Searing 5430-	-30 FW 1	lestb.	19 5-							
	reSection											
Depth Feet	Formation		Sample No.	From	То	-Width	·		Assa	<u>ys</u>		
-	Overburden						1	1			+	
14.On	Ground up granodiorite and guartzites	5										+-
19.5n	With mud seams.								1		1	\uparrow
										1	1	\top
	Hole abandoned at 19.5m								1		1	1
								1	1	1	1	\top
			_						1.	1	1	1
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Pagel of 6

DIAMOND DRILL RECORD

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PROPERTY	ROUCHER DEBOULE					HOLE NO	V81-3	
Latitude	Elevation 1627.7M	Bearing	S02°-00'W	Depth_	87 <u>.</u> 5M	_ Started Aug	. 19, 1981 Completed Aug. 25, 3	31
Departure	Section	Dip	-55°	Drille	d By D.	Groot Logging	Logged By D.C. Plecash	

Depth Feet		Sample	From	То	Width	T		Assay		_	<u> </u>	_
0-	Formation	No.	1100	10	widdin	oz Au	oz Ag	I & Cu	8 Ni	8 CO	8 As	
3.6	Overburden	3160	3.6m	7.6m	4.0m			2 0.01	<u>†</u>	L0.01	0.04	
3.6	Dark Hornblende with Feldspar Porphyry	3161	7.6	8.1	0.5	0.007	0.02	2 LO . 01	0.01	L0.01	0.06	-
	More Quartz ground mass at 6.1m to 7.6m. Narrow	3162	8.1	8.4	0.3	0.090	0.01	L0.01	0.02	1.0.01	0.41	-
	bands of Granodiorite at 7.6m to 8.1m. Hornblende	3163	8.4	10.0	1.6	0.003	0.02	0.02	0.01	L0.01	0.05	_
	at 8.1m to 8.4m.	3164	10.0	12.5	2.5	0.003	0.04	L0.01	0.01	L0.01	0.01	
	Granodiorite with numerous lcm Quartz	3165	12.5	15.1	2.6	0.003	0.01	0.01	0.01	L0.01	0.02	
	Seams between 7.8m and 12.5m and thin layers	3166	15.1	15.7	0.6	0.003	L0.01	0.01	0.01	L0.01	0.02	
	of Arsenopyrite shown on fractures.	3167	15.7	16.1	0.4	0.002	0.02	0.01	0.01	L0.01	0.01	-
	Mixed coarse to fine grained dyke @ 12.5M to 12.8m.	3168	16.1	17.4	1.3	0.002	0.01	0.01	0.01	L0.01	0.01	-
	lcm brown veinlet of dyke rock @ 12.8M.	3169	17.4	18.9	1.5	0.002	0.01	0.01	0.01	L0.01	0.01	-
	Quartz calcite with little vug holes mixed	3170	18.9	21.7	2.8	L0.002	L0.01	0.01	0.01	L0.01	0.02	
17.4n	with quartz porphyry at 15.7m to 16.1m	3171	21.7	22.4	0.7	0.005	L0.01	0.01	0.01	LÓ.01	0.01	Ī
17.4m	Medium light sand mixed Granodiorite and Quartz	3172	22.4	24.3	1.9	L0.002	0.02	0.02	0.01	LO.01	0.01	
18.9n	Porphyry with a few quartz veinlets.	3173	24.3	26.9	2.6	L0.002	0.01	0.02	0.01	LO.01	0.01	
18.9n	Feldspar porphyry with a mixture of large and	3174	26.9	29.1	2.2	L0.002	0.0	0.02	0.01	LO.01	0.01	:
21.7m	small phenocrysts.	3175	29.1	29.4	0.3	L0.002	L0.01	0.01	0.01	LO.01	0.01	ĺ

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Page	3	of	6
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Dartra	deElevation	Bearing S02°-	00'W I	epth	87.5m	Star	ted		(Complet	ted					
Departu	areSection		I	Drilled By				Logged By D.C. Plecash								
Depth Feet	Formation		Sample No.	From	To	Width	<u> </u>		Assay	<u>s</u>						
32.8m	Quartz vein with scattered hornblende	· · · · · · · · · · · · · · · · · · ·	3192	58.5m	59.9m	1.4m			7 %Cu	* Ni 0.03	* Co					
33.2m	Ironpyrites, arsenopyrites and a litt	le molybdenum	3193	59.9	62.1	2.2	t	+		0.01	┿───	<u> </u>				
33.2m	Mixed granodiorite with quartz veinle	ts, hornblende	3194	62.1	64.3	2.2		· · · · · ·	+	0.01		<u> </u>				
34.lm	And little ironpyrites on fractures.		3195	64.3	66.7	2.4		!	<u></u>	0.01						
34.lm	Dark banded granodiorites with some p	ink	3196	66.7	69.2	1.5				0.01	<u> </u>	<u> </u>				
35.4m	Feldspar appearing, Core to beds -75	o	3197	69.2	72.7	3.0			L0.01		L0.01	 				
35.4m	Pegmatite porphyry dyke with much grea	ater	3198	72.2	75.3	3.1	0.00	0.02	L0.01		L0.01	ļ				
	Quartz ground mass, and larger phenoc	rysts, more	3199	75.3	78.3	3.0	L0.00	L0.01	L0.01		L0.01					
42.4m	Quartz showing at 36.6m to 36.9m to 3	7.2m to 37.9m	3200	78.3	79.8	1.5			0.02		L0.01					
42.4m	Banded argillites with small stringers	s of	3201	79.8	87.7	2.9			L0.01		L0.01					
42.8m	Ironpyrites.		3202	82.7	85.8	3.1			0.01		L0.01	_				
42.8m	Pegmatite porphyry more darker grey		3203	85.8	86.4	0.6		L0.01			L0.01					
46.Om	Than previously showed up.		3204	86.4	87.5	1.1		L0.01			L0.01					
46.Om	Quartz porphyry		<u>├</u> }													
48,6m												· · · · ·				
48.6m	Banded Quartzites and quartz porphyry	with														

Page 4 of 6

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DIAMOND DRILL RECORD

PROPERTYROUCHER_DF	BBOULE	1		HOLE NO	V81-3	
Latitude	Elevation	Bearing <u>502° - 00'W</u>	Depth 87.5m	Started		Completed
Departure	Section	Dip55°	Drilled By	Lo	ogged By_	D.C. Plecash

Depth Feet	Formation	Sample No.	From	То	Width			Assav	15		
	Some patches of pink felspar and small	No.	+		1						
52.4m	Stringers of ironpyrites		1	<u> </u>							
52.4m	Granodiorite intruded by quartz for marble		<u> </u>		<u>}</u>		+			+	+
	effect, some ironpyrites and arsenopyrites.				+				<u> </u>	+	
58.5m	shown on fractures							 		+	
58.5m	Quartz porphyry with large phenocrysts.		 				<u> </u>	 -	<u> </u>	+	+
59.9m							<u> </u>				+
59.9m	Banded medium grey quartzites				╞╾╌╾╴┨	<u> </u>			<u> </u>	┼──	
61.3m	Core to beds 85°						<u> </u>				┨───
61.3m	Mixed quartz porphyry with bands of grey				r					<u> </u>	
62.2m	Quartzites.					·					<u> </u>
62.2m	Quartz porphyry with bands of argillites	+									
	and bands of quartz.	++									
	62.5m to 63.1m bands of quartz core to beds 30°	++									, _
	64.0m to 66.8m quartz bands with core to beds	++	-	+	<u></u>						
66.7m	Averaging 75° ironpyrites and arsenopyrites	+									
<u>`</u>	seen on most fractures.	<u> </u>	L			1					

seen on most fractures.

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Page D OI 6

PROPERTY	ROUCHER DEBOULE		HOLE NO.	<u></u> V81-3	
Latitude	Elevation	Bearing S02°-00'W	Depth 87.5m Started		Completed
Departure	Section	Dip	Drilled By	Logged By_	D.C. Plecash

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Depth Feet	Formation	Sample No.	From	То	Width			Assa	/S		<u> </u>
66.7m		No.				<u> </u>					
	little zone of pegmatite 66.7m to 67.1m		┟╌╌╴╽		+		+	+	+	+	+
	quartz bands from 10cm to 45cm apart from				 	<u> </u>			 	+	
	66.7m to 69.2m. Most core to beds at 80°					<u> </u>	+	<u> </u>	<u> </u>	<u>†</u>	
	some quartz porphyry showing up in			· •						1	<u>†</u>
	small areas between 70.1m to 72.2m						1			1	
	Quartz stringers between 69.2m to 74.8m with						1			<u> </u>	
	some ironpyrites and arsenopyrite on fractures									†	
78.5m	10 cm quartz porphyry at 78.0m										
78.5m	Mixed bands of argillites and quartzites changing										
	from light to dark grey				•						
	at 79.6m to lighter grey colour with a 15cm										
	quartz band										
	quartz banding between 81.4m to 82.7m										
	with core to beds starting at 80° then down								‡		
82.7m	to 45°.										

Page 6 of 6

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DIAMOND DRILL RECORD

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PROPERTY_	ROUCHER DEBOULE		Ļ				HOLE	NO	V81-	3	<u> </u>		
Lat itude	Elevation	Bearing_	S02	°-00'W D			Start	ed			Comp1e	eted	
	Section												
Depth Feet	Formation	·····		Sample No.	From	То	Width			Assa	yş		
82.7m Pe	egmatite dyke				1		 		+		+		
82.9m									†		+		
82.9n Gr	anite - from coarse to fine.			1			††	<u>. </u>	†	<u> </u>	+	+	-
ph	enocrysts									 		1	
	12cm band of quartz @ 85.8m									†		+	+
87.5n	6cm band of quartz @ 86.4m		·			<u> </u>				<u> </u>		+	
							<u>├──</u>					 	+
E	nd of Hole @ 87.5m										· 		
											†		
											<u> </u>	<u> </u>	
									'		<u> </u> -	+	<u> </u>
												<u> -</u>	
			_									¦	
		······										<u>├</u>	

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D. Groot Logging

Box 520

Smithers, B.C.

VOJ 2NO

Certificate of Assay

can test nd.

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

3910E-6-1 File No.

Date October 29, 1981

Attention:

He hereby Certify that the following are the results of assays made by us upon submitted ______ drill core______ samples.

GOLD	SILVER	copper	nickel	cobalt	arsenic		
Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent Ni	Percent Co	Percent AS	Percent	Percent
0.022	0.02	0.01	0.01	10.01	0.04		
					1		
1							1
0.003	1					l	ł
0.003	0.04	L0.01	0.01	L0.01	0.01		
0.003	0.01	0.01	0.01	L0.01	0.02		
0.003	L0.01						ł
0.002	0.02	0.01	0.01	L0.01			
0.002	0.01	0.01	0.01	L0.01	1		
0.002	0.01	0.01	0.01	L0.01	0.01		
L0.002	L0.01	0.01	0.01	L0.01	0.02		
0.005	L0.01	0.01	0.01	L0.01	0.01	1	ĺ
L0.002	0.02	0.02	0.01	L0.01			
L0.002	0.01	0.02	0.01	L0.01	0.01	1	
L0.002	0.01	0.02	0.01	L0.01	0.01		
					1		
					1		
	Ounces Per Ton 0.022 0.007 0.090 0.003 0.003 0.003 0.003 0.003 0.003 0.002 0.002 0.002 0.002 0.002 10.002 10.002 10.002	Ounces Per Ton Ounces Per Ton 0.022 0.02 0.007 0.02 0.090 0.01 0.003 0.02 0.003 0.04 0.002 0.02 0.003 0.01 0.003 0.01 0.002 0.02 0.003 0.01 0.002 0.02 0.002 0.01 0.002 0.01 0.002 0.01 0.005 L0.01 L0.002 0.02 L0.01 0.02 L0.02 0.02	Ounces Per Ton Ounces Per Ton Percent Cu 0.022 0.02 0.01 0.007 0.02 L0.01 0.090 0.01 L0.01 0.003 0.02 0.02 0.003 0.04 L0.01 0.003 0.01 0.01 0.003 0.01 0.01 0.003 0.01 0.01 0.002 0.02 0.01 0.002 0.02 0.01 0.002 0.01 0.01 0.002 0.01 0.01 0.002 0.01 0.01 0.002 0.01 0.01 0.002 0.01 0.01 0.002 0.01 0.01 0.005 L0.01 0.01 L0.002 0.02 0.02 L0.002 0.01 0.02	Ounces Per Ton Ounces Per Ton Percent Cu Percent Ni 0.022 0.02 0.01 0.01 0.007 0.02 L0.01 0.01 0.090 0.01 L0.01 0.02 0.003 0.02 0.02 0.01 0.003 0.02 0.02 0.01 0.003 0.02 0.02 0.01 0.003 0.04 L0.01 0.01 0.003 0.01 0.01 0.01 0.003 0.01 0.01 0.01 0.003 0.01 0.01 0.01 0.003 L0.01 0.01 0.01 0.002 0.02 0.01 0.01 0.002 0.01 0.01 0.01 0.002 0.01 0.01 0.01 0.005 L0.01 0.01 0.01 0.002 0.02 0.02 0.01 0.002 0.02 0.02 0.01 L0.002 0.02 <	Ounces Per Ton Ounces Per Ton Percent Cu Percent Ni Percent Co 0.022 0.02 0.01 0.01 L0.01 0.01 L0.01 0.007 0.02 L0.01 0.01 L0.01 0.01 L0.01 0.090 0.01 L0.01 0.02 L0.01 0.02 L0.01 0.003 0.02 0.02 0.01 L0.01 0.01 L0.01 0.003 0.02 0.02 0.01 L0.01 0.01 L0.01 0.003 0.04 L0.01 0.01 L0.01 L0.01 0.003 0.01 0.01 0.01 L0.01 L0.01 0.003 0.01 0.01 0.01 L0.01 L0.01 0.002 0.02 0.01 0.01 L0.01 L0.01 0.002 0.01 0.01 0.01 L0.01 L0.01 0.002 0.01 0.01 0.01 L0.01 L0.01 0.002 0.02 0.02	Ounces Per TonOunces Per TonPercent C_U Percent Ni Percent C_O Percent As 0.0220.020.010.011.0.010.040.0070.021.0.010.011.0.010.060.0900.011.0.010.021.0.010.060.0030.020.020.011.0.010.050.0030.041.0.010.011.0.010.020.0030.010.010.011.0.010.020.0030.010.010.011.0.010.020.0030.010.010.011.0.010.020.0030.010.010.011.0.010.020.0020.020.010.010.011.0.010.020.0020.010.010.011.0.010.010.011.0.0021.0.010.010.011.0.010.020.0051.0.010.010.011.0.010.011.0.0020.020.020.011.0.010.011.0.0020.020.020.011.0.010.011.0.0020.010.020.011.0.010.01	Ounces Per Ton Ounces Per Ton Ounces Per Ton Percent Cu Percent Ni Percent Co Percent As Percent 0.022 0.02 0.01 0.01 L0.01 0.04 0.04 0.007 0.02 L0.01 0.01 L0.01 0.06 0.06 0.090 0.01 L0.01 0.02 L0.01 0.04 0.06 0.003 0.02 0.02 0.01 L0.01 0.04 0.05 0.003 0.02 0.02 0.01 L0.01 0.05 0.01 0.003 0.01 0.01 0.01 L0.01 0.02 0.01 0.003 L0.01 0.01 0.01 L0.01 0.02 0.02 0.003 L0.01 0.01 0.01 L0.01 0.02 0.02 0.002 0.02 0.01 0.01 L0.01 0.01 0.01 0.002 0.01 0.01 0.01 L0.01 0.01 L0.01 0.002

Note: Pulps retained three months.

Rejects retained two weeks.

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1 contaid 1100 Provincial Assayer

CAN TEST LTD.

Telephone 254-7278 Telex 04-54210

Form No. 13-C

	can test Itd.
Section 2 1	1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

Telephone 254-7278 Telex 04-54210

Box 520

Smithers, B.C.

D. Groot Logging

VOJ 2NO

Certificate of Assay

File No. 3910E-6-2

Date October 29, 1981

Attention:

To:

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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Sample Identification	GOLD	SILVER	Copper	Nickel	Cobalt	Arsenic		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Ounces Per Ton		Percent Cu	Percent Ni	Percent Co	Percent As	Percent	Percen
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-3		I						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3175	L0.002	L0.01	L0.01	0.01	L0.01	0.01		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3176	L0.002	L0.01						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3177	L0.002	0.04			ç			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		0.20	0.02	L0.01	0.09			1	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3179	0.028	4.47	0.11	0.01				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3180	0.002	0.06	0.01	0.01	L0.01	0.01		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3181	L0.002	0.02						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3182	L0.002	0.02					1	
3184 L0.002 0.02 L0.01 0.01 L0.01 0.01 3185 L0.002 0.01 L0.01 0.01 L0.01 0.01 3186 L0.002 0.01 0.01 0.01 L0.01 0.01 3186 L0.002 0.01 0.01 0.01 L0.01 0.02 3187 L0.002 0.02 L0.01 0.01 L0.01 0.01 3188 0.002 0.01 L0.01 0.01 L0.01 0.01	3183	L0.002	0.02	L0.01	0.01	1			
3186 L0.002 0.01 0.01 0.01 L0.01 0.02 3187 L0.002 0.02 L0.01 0.01 L0.01 0.02 3188 0.002 0.01 L0.01 0.01 L0.01 0.01	3184	L0.002	0.02	L0.01	0.01				
3186 L0.002 0.01 0.01 0.01 L0.01 0.02 3187 L0.002 0.02 L0.01 0.01 L0.01 0.02 3188 0.002 0.01 L0.01 0.01 L0.01 0.01	3185	L0.002	0.01	L0.01	0.01	L0.01	0.01		Í
3187 L0.002 0.02 L0.01 0.01 L0.01 0.01 3188 0.002 0.01 L0.01 0.01 L0.01 0.01	3186	L0.002							
3188 0.002 0.01 L0.01 0.01 L0.01 0.01	3187	L0.002	0.02	L0.01	0.01			ł	i
	3188	0.002	0.01		0.01				
	3189	L0.002	0.02	L0.01	0.01		0.01	1]

Note: Pulps retained three months.

Rejects retained two weeks.

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I switch are Provincial Assayer

CAN TEST LTD.

Form No. 13-C

	ca n test Itd.			
The state of the s	1650 PANDORA STREET, VANCOUVER	, B.C.	V5L	1L6

Telephane 25-4-7278 Telex 04-54210

•	D.	Groot	Logging	Ltd
	• • •	-		

Box 520

Τo

Smithers, B.C.

VOJ 2NO

Attention:

Sample Identification	GOLD	SILVER	Copper	Nickel	Cobalt	Molybdenum	Arsenic	
· · · · · · · · · · · · · · · · · · ·	Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent Ni	Percent Co	Percent Mo	Percent As	Percent
3								
3190	0.002	0.02	L0.01	0.01	L0.01	L0.01 ×	0.02	
3191	0.002	0.01	L0.01	0.01	L0.01	L0.01×	0.01	
3192	0.004	0.04	L0.01	0.01	L0.01	L0.01×	0.01	
3193	L0.002	0.01	L0.01	0.01	L0.01	L0.01×	0.01	
3194	L0.002	L0.01	L0.01	0.01	L0.01	L0.01×	0.01	
3195	0.002	0.01	L0.01	0.01	L0.01	L0.01	L0.01	
3196	L0.002	L0.01	L0.01	0.01	L0.01	-	L0.01	
3197	0.002	L0.01	L0.01	0.01	L0.01	L0.014	0.01	
3198	0.003	0.02	L0.01	0.01	L0.01	L0.01/	0.01	
3199	L0.002	L0.01	L0.01	0.01	L0.01	L0.01v	0.01	
3200	0.004	0.01	0.02	0.01	L0.01	L0.01×	0.01	
3201	L0.002	L0.01	L0.01	0.01	L0.01	0.02 *	0.01	
3202	0.002	0.01	0.01	0.01	L0.01	-	0.01	
3203	0.004	L0.01	.0.01	0.01	L0.01	-	0.01	
3204	0.002	L0.01	0.01	0.01	L0.01	-	0.02	

Certificate of Assay

Note Pulps retained three months.

Rejects retained two weeks.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS PUBLICATION OF STATEMENTS CONCLUSIONS OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT CUR WRITTEN APPROVAL ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED

Loward 1100 Provincial Assayer

CAN TEST LTD.

File No. 3910E-6-3

Date October 29, 1981

FORM NO 13 C

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Page 2 of 6

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PROPE	RTY ROUCHER DEBOULE	I				HOLI	E NO	_ <u>v81-</u>	3			
Latitu	ideElevation	Bearing SO2°	- 00°W	Depth_	<u>87.5m</u>	Star	ted		C	omplet	ted	
Depart	ureSection				d By							
Depth Feet	Formation	,, ,,, _,, _	Samp1 No.	e From	То	Width	<u></u>		Assay	<u>s</u>		<u> </u>
21.7m	Fine Grained Grey Granodiorite with	small	3176	29.41	n 29.6m	0.2m	L0.002	1	1 & Cu		1	1
22.4m	Flecks of arsenopyrites.		3177		32.2	1	L0.002		0.02		L0.01	1
22.4m	Feldspar porphyry with a few bands of	fsand	3178		32.8	0.6	0.20		L0.01		L0.01	
24.3m	Coloured granodiorite.		3179	32.8	33.2	0.4		4.47			0.51 L0.01	1
24.3m	Brownish grey granodiorite with some	small areas	3180	33.2	34.1	0.9	0.002		0.01		L0.01	1
26.9m	of Feldspar porphyry - core to beds @	2 75°	3181	34.1	35.5		L0.002				L0.01	· · · · · ·
26.9m	Feldspar porphyry		3182	35.5	38.6		L0.002				L0.01	
29.1m			3183	30.6	40.2		L0.002		L0.01		L0.01	
29.1m	Light sandy granodiorite		3184	40.2	42.4		L0.002		L0.01		r0.01	0.01
29.4m			3185	42.4	42.7		L0.002		L0_01		L0.01	0.01
29.4m	Mixed sand coloured grancdiorite with	bands	3186	42.7	46.0	3.3	L0.002		0_01		L0.01	0.02
29.7m	of hornblende.		3187	46.0	48.6	2.6 1	L0.002	0.02			L0.01	0.01
29.7m	Mixed feldspar porphyry and hornblende	2	3188	48.6	50.6	2.0	0.002	0.01			L0.01	0.01
32.2m			3189	50.6	52.4	1.8 1	.0.002	0.02			L0.01	0.01
32.2m	Hornblende with arsenopyrites		3190	52.4	55.5	3.1	0.002	0.02		— 	L0.01	0.02
32.8m			3191	55.5	58.5	3.0	0.002	0.01		0.0		0.01

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Page 1 of 1

	TY ROUCHER DEBOULE											•	-
Latitud	e Eleva	ation 1627.7m	Bearing		Depth		Star	ted Au	ıg. 25,	/81	Comple	ted Au	1g
Departu	re Sect:	ion	Dip -90	<u>,</u>	Drilled	By D.	Groot 1	Logging	j Logg e	ed By_	D.C.	Plecas	sh
Depth Feet	F		<u>-</u>	Sample No.	From	То	Width			Assa	vs		
0- 8.0m	Large boulders in over							1	1				-
	could not get through												
	Hole abandoned												-
		·											+
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PROPER	TYROUCHER_DEBOULE					HOLE	NO	<u>v81-5</u>				
Latitud	e Elevation 1627.7m	Bearing	D	epth	212.4m	Star	ted Aug	. 31/8	<u>1</u> (Complet	ed Sept	. 18/81
Departu	reSection	Dip -90°	ם	rilled	By_D.	Groot I	ogging	Logged	i By_l	D.C. PI	lecash	
Depth Feet	Formation		Sample No.	From	То	Width			Assay	<u>'s</u>		
0- 12.8m	Overburden					1				+		
12.8m	Medium to dark grey greywacke											
	12.8m to 13.6m 1.5cm bands of quartz w	with								†		
	6mm bands of hornblende, fair amount o	of								†		

	12.8m to 13.6m 1.5cm bands of quartz with				1				
	6mm bands of hornblende, fair amount of						1		[
	feldspar showing.						1		
20.7m	15cm granodiorite at 18.7m						1	1	
20.7m	Granite			 					
	5cm quartz at 29.9m							 	
	30.0m to 31.1m quartz porpnyry								
	31.1m to 40.8m less biotite in granite								
	35.8m to 1.5cm of hornblende								
	40.8m to 42.4m bands of quartz and			 					
	hornblende with some arsenopyrite	 		 					
	molybdenum showing			 					
	45.3m to 46.3m dark green agrillite			 					
	mixed with granite.			 		{			
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Page 2 Of 6

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	ROUCHER DEBOULE	1					NO. <u>v</u> 8				
Latitude	Elevation 1627.7m	Searing	D	epth	212.4m	Starte	ed	· ····· ⁴	Complet	ted	
Departure	Section	Dip 90°	D	rilled	By		Log	ged By_	D.C.	Plecas	sh
Depth Feet	Formation	<u> </u>	Sample No.	From	То	Width	·	Assa	<u>ys</u>	 T	— T
47.	.lm 3cm fault gouge										Ī
<u>3cm</u>	n hornblende_at_50.3m			ļ							
52.4m 6cm	n hornblende at 50.8m		_								I
52.4m Mix	ked small bands of hornblende with p	egmatite									Γ
in	granite.										Ī
10	0 cm pegmatite at 53.3m with little										ſ
cc	opper shot through it										
57	7.9m to 58.4m quartz vein (Barren)		_						<u> </u>		
62	2.5m to 63 m fault zone - clay seams								<u> </u>		
63	3.1m to 64.6m mixed up fault gouge		_								
	ith argillites, quartzites and clay								<u> </u>		
64	4.6m to 67.2 recemented greenish										
gr	rey argillites.										
67	7.2m to 66.7m mixed quartz with argi	llites							-		
sn	mall amounts of hematite appearing										_
66	6.7m to 71.3m. Broken up argillites										

Page 3 of **É**

FROFE	RTYROUCHER DEBOULE					HOLE	NO	v81-5	5		
Latitu	deElevation_1627.7m_Be	aring	I	Depth_2	12.4m	Starte	ed		Comple	ted	
	ure Section Di										
Depth Feet	Formation		Sample No.	From	То	-Width		Assa	<u>vş</u>	·	
	10cm fault gouge at 70.7m										
71.3m	20cm fault gouge at 71.3m										
71.3m	Medium to dark grey guartzites and argill	lites				╞╼╼╾┼╸					
78.8m	5cm peqmatite at 77.7m				<u> </u>	<u>├</u>			+		
78.8m	Dark to medium grey quartzites								+	┽╌━	
83.4m									+	+	
83.4m	Mixed bands of granodiorite with quartz								<u> </u>		
	Hornblende and pegmatite, little chalcopyr	ite							 	+	
	showing at 83.8m. Core to beds at 86.9m is	s 50°					÷		┟╌╼╸		
	More chlorite from 93.3m to 94.5m							+	<u> </u>		+
	94.5m to 96.1m much quartz with flecks										
	of molybdenum and arsenopyrite										
98.lm	8cm fault gouge at 98.1m							<u> </u>			
98.lm	Quartzites with a few bands of granodiorite	2						┟───┤			
	mud seam at 101.5m in broken core 3cm quart	z						╞╼╌┨			
	with massive feldspar & Biotite										

at 104.2m

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Page 4 of 6

PROPE	RTYROUCHER_DEBOULE				HOLE	. סא		<u> </u>	81-5		
Latitu	deElevation_1627.7m_Bearing	1	Depth	<u>212.4m</u>	Star	ted	<u> </u>		Comp1	eted	
	ure Section Dip90°										
Depth Feet	Formation	Sample No.	From	То	Width	 	 	Assa	na 		
	10cm quartz with massive feldspar & Biotite				1		- 1				
	at 106.4m							+	╶┼╌╼╸		
	3cm quartz with massive feldspar & Biotite							+			
108.2m	At 108.1m						†		+		
108.2m	Argillite										
113.7m											
113.7m	Medium grey quartzites, slightly pegmatized							<u> </u>	┼──	+	
	with small sparsley distributed phenocrysts							<u> </u>		+	
118.9m	of feldspar and biotite.							<u> </u>	+		+
118.9m	Ouartz porphyry								<u> </u>		+
	123.8m to 135.3m bands of granodiorite,	+									
	quartz, and hornblende										+
	124.7m to 133.2m pegmatite appearing with					{					
	some hematite staining at 124.7m		<u> </u>								<u> </u>
	129.8m to 135.3m more quartz bands appearing	1									
	135.3m to 135.9m dark grey bands of quartzites.	╏╼╾┤									

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Page 5 of 6

FROPEI	RTYROUCHER DEBOULE					HOLI	E NO.	<u>v</u> 8	1-5			
Latitu	de Elevation_1627.7m	Searing	D	epth	<u>212.4m</u>	Star	ted			Comple	ted	
	ureSection											
Depth Feet	Formation		Sample No.	From	To	Width			Assa	vş		
	146.6m to 153.3m. More quartz bands ap	pearing										
	151.2m to 151.3m hornblende with some	chalco-					<u> </u>		+			
	pyrite and molybdenum visible.	····				<u> </u> -			┥		-+	
	3cm buff coloured quartz at 158.3m		-					+				
	large quartz bands with granodiorite											
	and biotite at 165.2m to 166.7m								+		+	
	core to beds at 169.8m is 45°						├ ───			+	+	
	mud seams at 171.6m									+	+	
	more quartz stringers from 173.3m to 18	1.lm	 				_ <u> </u>	<u> </u>	†		+	+
	banded dark quartzites between 178.8m to	o 182.9m	┼╌──┤							╂		+
187.9m	6cm fault seam at 182.6m		╏╼╼╴┤					<u> </u>		╂───	+	+
187.9m	Pegmatite dyke		 				<u> </u>			<u> </u>	†	
188.7m		·····	+				<u>-</u>		 	<u> </u>	 	<u> </u>
188.7m	Soft recemented argillites and quartzite										 	
191.1m			╏───┤									 -
191.lm	Banded and brecciated quartzites - chlor		<u> </u> −−−−†·									

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PROPER	RTYROUCHER_DEBOULE				HOLI	: NO.		<u>v</u> 81	<u>-5</u>		*
Latitud	le Elevation 1627.7m Bearing	I	Depth_2	2 <u>12_4m</u>							
Departu	pre Section Dip	<u>90°</u> I	Drilled	1 By			Logge	ed By_	D.C.	Plecas	h
Depth Feet	Formation	Sample No.	From	To	Width	· 		Assa	<u>vs</u>		
	Quartz porphyry			1	1		+				
197.5m	Medium grey quartzites with bands of				1			1			
	quartz. Core to bed from 45° to 60°, also								1		+
199.5m	some pegmatite with phenocrysts of biotite									1	1
199.5m	Quartz porphyry										
208.3m										1	
208.3m	Granite	_								1	
212.4m											
		_								1	-
	End of Hole at 212.4m										
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		<u> </u>									
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Page l of 5

	RTY ROUCHER DEBOULE							: NO					
Latitud	deElevation_1539.3m	Bearing_	s24°-	00'W D	epth	126.8m	Star	ted Ser	pt.2/8	1	Comple	ted Se	pt. 6,
Departu	ureSection	Dip	_55°	D	rilled	By <u>J</u> .T	.Thomas	Drilli	LI S gge	eđ By_	D.C. 1	Plecas	h
Depth Feet	Formation		····	Sample No.	From	То	Width	Ţ		Assa	<u>vs</u>	····	<u> </u>
0- 3.4m	Overburden		· · · · · · · · · · · · · · · · · · ·				1	<u> </u>	<u> </u>	+			+
	Mixed granodiorite and quartzites						1					-	
	4.6m to 4.9m feldspar porphyry						1		1	1	1		
	Core ground up between 4.9m and 11.0m								1	1	1		
	14.0m to 15.2m quartz coming in, core									1	1	+	
	very leached. Core to beds at 14.3m is	20°								1	1		1
	20.1m to 21.3m bands and swirls of quar	tz									+		+
21.3m	Slightly oxidized.										1	+	+
21.3m	Medium grey to greyish green quartzites												-
	15.2m feldspar porphyry at 21.9m										†		1
26.8m	10.2m feldspar porphyry at 25.0m								<u>-</u> -				<u>}</u>
26.8m	Granodiorite											 	1
	28.7m to 29.3m leached with some oxide												<u> </u>
	staining												
	30.8m to 31.1m feldpsar porphyry												
	32.0m to 36.9m core leached & Oxidized												<u> </u>

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Page 2 of 5

PROPER	ROUCHER DEBOULE					HOLI	E NO.	V8	1-6			
Latitud	Elevation 1539.3m	Bearing S24°-	00'W I	epth_3	L26.8m	Star	ted	<u>.</u>		Comp10	eted	
	reSection											
Depth Feet	Formation		Sample No.	From	То	Width			Ass	IVS		
	1.3cm mud seam at 33.8m					1	+					
	15cm feldspar porphyry at 34.1m				·	1						
	15cm feldspar porphyry at 34.4m							+	┥			
36.9m	2.5cm mud seam at 36.6m											
36.9m	Dark to medium greyish green quartzi	tes					 		+			
	37.0m to 37.2m feldspar porphyry	······································										
	10cm band of granodiorite at 37.8m								<u> </u>		+	
	38.4m to 39.6m bands of quartz							+		+	+	+
	15.2cm band of granodiorite at 39.9m							<u> </u>	<u> </u>		┼──	
	40.9m to 41.1m feldspar porphyry		╏							+		<u> </u>
	41.1m to 42.4m small bands of quartz		<u> </u>					 	<u> </u>	<u> </u>		+
	and granodiorite		<u>├───</u> ┠									
	15cm feldspar porphyry at 42.1m		<u>├</u> ┟				••••••••••••••••••••••••••••••••••••••			 		
	42.5m to 43.0m lamprophyre dyke	···· ···· ··· · · ··· · ···									<u> </u>	<u> </u>
	44.8m to 45.4m feldspar porphyry											
	46.0m to 46.3m bands of quartz & Gran	nodiorite										<u> </u>

Core to bed is 20°.

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Page 3 of 5

Latitud	deElevation_1539.3mE	Searing S24°.	-00'W I	Depth	1268-	Star	teđ			Cor-7	•	
)epartu	ureSectionD		I)rilled	By			Logge	ed By_	D.C.	Pleca	ish
Depth Feet	Formation	·	Sample No.	From	То	Width	<u> </u>		Assa	<u>¥ş</u>		
	48.5m to 48.8m feldspar porphyry			1								+
	52.1m to 55.5m bands of quartz and grand	liorite										
	with the core having a marble appearance									+	+	+
	52.4m to 64.0 core darker grey in colour							1	+	+		┿
	52.4m to 53.0m feldspar porphyry						<u> </u>			+		+-
	55.2m to 55.5m feldspar porphyry						, 			+	+	╋
	55.5m to 58.7m granodiorite is 50% of co	re						 -		╂───	+	╋
	58.7m to 59.3m feldspar porphyry	····								┼──	+	+-
	61.1m to 61.4m ground up core-fault?						·	<u> </u>		<u> </u>	+	╋
	62.2m to 62.8m granodiorite						-		†	 		+
	63.9m to 64.0m bands of granodiorite and									 		┢
	quartz with a little tourmaline appearing									- -		┼
64.On	Core to beds 45°		┼╼╌┼								 	┼──
64.Or	Granodiorite		╁╼╼╾╂								┣	
	65.5m to 71.0m 15cm fingers of quartz		 									┝
	Porphyry appearing every 0.6m		╬╾─╁									

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Page 4 of 5

PROPERTY	ROUCHER DEBOULE						HOLI	E NO.	<u></u>	-6			
Latitude_	Elevation 1539.3m	Bearing	s24°-	<u>00'W</u> 1	Depth	126.8m	Star	ted	<u> </u>		Comp1.	eted	
			-55°										
Depth Feet	Formation			Sample No.	From	То	Width	 	·····	Assa	vş		
	7.6cm band of quartz at 70.7m	_		10.									
	71.0m to 71.3m dark quartzites								+	+			
	71.6m to 71.9m feldspar porphyry												+
	71.9m to 75.6m core has marble appeara	ance						<u> </u>	1		+		+
	with quartz intrusions slightly chlori	itic										-	+
	75.6m to 76.8m quartzites									1		+	-
	15cm feldspar porphyry at 78.0m									+	1		+
31.1m	78.6m to 80.5m feldspar porphyry							·	1	1	1	+	+
31.1m Dag	rk quartzites with bands of granodiorit	e								1	1	1	+
qua	artzites has marble appearance							<u>+</u>		†	1	1	┼╾
	92.7m to 93.6m bands of feldspar porph	yry							1	1	1	1	†
	A few small flecks of molybdenum at 95	.9m						·	1	1		1	1
	101.2m to 105.5m granodiorite							<u></u>	† .			1	<u>†</u>
	110.6m to 111.5m granodiorite												
	15cm quartz at 111.6m										L	j	
	115.m to 116.0m granodiorite							<u> </u>					

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	YROUCHER DEBOULE								V 81				
Latitude	Elevation 1539.3m	Bearing	S24°-	-00'W 1	Depth_	126.8	m_Star	ted	<u>,</u>		Comple	eted	
Departure	2Section	Dip	-55°	I	Drille	d By			Logge	ed By_	D.C.	Pleca	sh
Depth Feet	Pormation			Sample No.	From	То	Width			Assa	<u>va</u>		
	15cm band of quartz with tourmaline a	at 118.6	m			1						+	+
	10cm feldspar porphyry at 120.1m	·						1					╧
	121.0m to 122.5m grandiorite						1		1		+	1-	╈
	122.5m to 122.8m feldspar porphyry						1		1		1	+	+
126.0m	10cm feldspar porphyry at 125.9m						<u> </u>		+	<u> </u>		+	+
									1	1	1	+	+
	End of hole at 126.8m								1	1	1	+	╋
											<u> </u>	1	\uparrow
									1	1		1	+-
	·····								1			1	+-
													\uparrow
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Page 1 of 5

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PROPE	RTYROUCHER DEBOULE				HOLE	NO. <u>v</u>	81-7			
Latitu	de Elevation1539.3m Bearing	1	epth	<u>193.9m</u>	Stari	ted_Sept.	6/81	Complet	ted <u>Se</u> i	ot. 10/8
Depart	ure Section Dip9	<u>00°</u> I	rilled	Ву <u>ј.т</u>	.Thomas	<u>Dril</u> li dg	gged By_	<u>D.C.</u>	Plecas	sh
Depth Feet	Formation	Sample No.	From	То	Width		Ass	<u>tys</u>	 	-1
o- <u>3.4m</u>	Overburden								1	
<u>3.4m</u>	Mixed granodiorite and quartzites]	
8.5m	Mud seam at 8.5m									
8.5m	Granodiorite - broken core									
	15cm mud seam at 13.1m									
	20cm feldpsar porphyry at 13.4m			<u> </u>						
	14.5m to 16.2m few ironpyrite stringers			 .						
16.2m	and iron oxidization									
16.2m	Mixed granodiorite and quartzites									
	17.7m to 21.3m more quartz stringers									
21.3m	appearing and less granodiorite									
21.3m	Dark to medium greyish green quartzites									
	A few bands of feldspar porphyry at 22.3m									
	and 23.2m									
	15cm feldspar porphyry at 26.5m									
	31.1m to 31.4m feldspar porphyry			Į						

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PROPER	RTY ROUCHER DEBOULE					HOLE	NO. <u>V81</u> -	•7		<u>_</u>	
Latitud	eElevation_1539.3m	Bearing	1	Depth_3	193.9m	Starte	eđ		Comple	eted	
Departu	reSection	Dip -90°	I	Drilled	Ву		Logg	ed By	D.C. P	lecash	L
Depth Feet	Formation	·····	Sample No.	From	То	-Width		Assa	ys		
	29.0m to 36.6m bands of granodiorite										1
	with little quartz stringers							1		1	
36.9m	36.6m to 36.9m granodiorite								1	1	
36.9m	Grey quartzites with quartz in ground	3		ŀ					+		+
	mass to give a marble appearance.								1		
	38.1m to 40.5m many bands of feldpsar	· · · · · · · · · · · · · · · · · · ·							1	+	+
	porphyry	··	1						1	•	+
43.7m	1.3cm fault zone at 43.7m				- <u>-</u>				 	+	+
43.7m	Grey quartzites with fine stringers of	f						+	 		+
	quartz throughout - siliceous.							+	<u> </u>		+
	46.0m to 46.3m feldspar porphyry							•	<u> </u>		
	52.7m to 53.0m black siliceous quartz	ites						1			<u> </u>
	with small stringers of quartz.	 	11							<u> </u>	┟╾╍╍╶┤
	56.2m to 56.7m black siliceous quartz	ites						 		<u> </u>	╏╾╴╴╼┤
	with small stringers of quartz		++								
	59.9m to 60.2m granodiorite.		╉╍╼╾┤							 	┟────┥

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Page 3 of 5

PROPER	TY_ROUCHER DEBOULE					HOLE	NO	<u> v81–7</u>			
Latitud	e Elevation 1539.3m	Bearing	I	epth	<u>193.9</u> m	Starte	ed		Comple	ted	
Departu	reSection	Dip90	۵°۳	rilled	By	• 	Logg	ed By_	D.C.	Pleca	sh
Depth Feet	Formation		Sample No.	From	То	Width		Assa	ys		
	60.2m to 61.3m small phenocrysts of	feldspar									1
	62.9m to 63.8m granodiorite										1-
	63.8m - 1.3cm band of quartz and ho	rnblende						1			+-
	65.4m to 67.1m fine grained feldspa:	r porphyry						1	1	1	1
	1.3cm fault gouge at 68.3m								1		+
	15cm band of granodiorite and quarts	z alightly						-	1	1	+
	oxidized at 68.3m								1		1
	1.3cm granodiorite and quartz								1	1	1
	75.0m to 75.3m ground up oxidized							1		<u> </u>	
	granodiorite & quartz with ironpyrit	les						1	[\uparrow
	79.9m to 83.8m few veinlets of grand	odiorite						1			1
88.4m	85.8m to 87.9m feldspar porphyry							1			
88.4m	Quartz Porphyry							1			
	90.2m to 91.1m granodiorite & Quartz	Veinlets		·				1			
	92.4m to 93.9m granodiorite & Quartz	Veinlets									
93.9m t	o 95.lm feldspar Porphyry	**************************************									

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Page 4 of 5

Tatitud								7		
Latitud	eElevation_1539.3m_Bearing	I	epth_	<u>193.9</u> m	Start	ed		Com	pleted_	
Departu	re Section Dip90°	I	rilled	By	· .	<u></u>	Logged	By_D_C	C. Pleca	sh
Depth Feet	Formation	Sample No.	From	То	Width			Assays		
	96.6m - 100.0m granodiorite with a very few		1		<u> </u>		<u>}</u>			
	quartz stringers				 	- <u></u>				
	100.0m to 101.2m dark green argillites 15cm fault				<u>├</u>	- <u>-</u> ,	╏───┨			
	zone at 101.2m	1					╏╍╍╌┨			
	104.2m to 109.4m granodiorite						, 			
	107.0m to 107.6m one half of core running									
	lengthwise as encountered a lamprophyre									
	dyke.					{				
	115.5m to 115.8m feldspar porphyry									
	117.0m to 118.6m granodiorite									
	123.4m to 123.7m granodiorite									
	130.2m to 130.5m cave, broken up granodiorite									+
	and quartz porphyry with a little iron oxide					╾╾┽				
	staining.									
	132.3m to 132.9m feldspar porphyry									
	138.1m to 139.0m granodiorite									<u> </u>

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Page 5 of 5

PROPERTY	ROUCHER DEBOULE					HOLE	NO	<u>v</u> 8	1-7			
Latitude	Elevation 1539.3m	Searing	D	epth	193.9	m_Start	ed			Comp1e	eted	
												sh
Depth Feet	Formation	<u></u> -	Sample No.	From	То	Width			Assa	<u>va</u>		
154.2	2m to 161.5m bands of granodiorite	,quartz				 						
and h	ornblende_some_arsenopyrite_at_15	5.5m										
158.5	m to a58.7m band of quartz with b	lack							·			1
cryst	als of tourmaline shot throughout											
158.8	m to 159.5m bands of quartz with								- 	1		+
some	tourmaline scattered throughout									1	1	<u>†</u> -
162.2m 161.5	ROUCHER DEBOULE HOLE NO. V81-7		1	1								
162.2m Dark	Greyish green quartzites										1	1
167.9	m to 168.4m feldspar porphyry										1	<u> </u>
171.0	m to 177.4m quartzite is brecciate	d									1	f
core	to beds at 180.1m is 35°											[
182.9r	n to 185.9m quartzites breccia											
187.8n	n to 185.9m lighter grey quartzite	s]					 -		
193.9n with s	mall fingers of quartz throughout											
End of	bolo at 192 0-	····										

Page 1 of 7

DIAMOND DRILL RECORD

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PROPERTY ROUCHER	R DEBOULE					HOLE	NO.	<u></u>	-8	_		
Latitude	Elevation 1458.5m	Searing	D	epth	289.6m	Start	ed_ _{Se}	pt. 10	<u>/81</u> C	omplete	d <u>Sept</u> .	. 17/8
Departure	Section	Dip90°	D:	rilled	Вул.т	Thomas	<u>Drill</u>	i l øgge	d By	D.C. P	lecash	
Depth Feet	Formation		Sample No.	From	То	-Width			Assay	s		
0- 18.9m Overburden	,,,,											

<u>18.9</u> m	Overburden	 				1	ł	
<u>18.9</u> m	Mixed Dark and light grey quartzites broken	 						
	up 21.0m to 26.2m = 2.8m core loss	 	 					
	30.5m to 38.4m = 7.0m core loss	 	 					
	10cm light green trapp dyke at 25.9m	 <u>-</u>			 İ			
	10cm feldspar porphyry at 19.4m	 	 	<u> </u>	 			
39.6m	10cm feldspar porphyry at 39.3m	 	 					
39.6m	Dark grev guartzites	 	 	<u></u> _	 			
	39.9m_to 40.2m feldspar porphyry	 	 					
	7.6cm feldspar porphyry at 44.5m	 	 					
	Alot of small fractures running across core.	 	 		 			
	Core to beds 45°.	 	 		 			
	Small fault at 47.9m.	 -	 					
	49.1m to 49.4m feldspar porphyry in dark ground mass	 	 		 			
	51.5m to 51.8m feldspar porphyry in dark ground mass	 	 					
	55.5m to 59.9m marbling of grey quartzites with a							
	brown intrusive.		 					

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Page 2 of 7

PROPEF		<u> </u>						-	V		_	<u>_</u>	<u> </u>
Latitud	deElevation_1	458.5m Bear	ing	I	epth	289.6m	Stari	ted			Comple	eted	
)epartu	reSection	Dip	<u>-90°</u>	I	rilled	Ву			Logged	i By_	D.C.	Pleca	sh
Depth Feet	Formation	=·		Sample No.	From	То	Width			Assa	<u></u>		
<u>61.6m</u>	5cm feldpsar porphyry at 58.	2m											
61.6m	Broken up oxidized quartzite	5									1		+
	63.6m to 64.6m talcy miceo	ise shist with				<u> </u>			<u> </u>				+
	a little ironpyrites appear	ring							+		+		╋
68.9m	64.6m to 65.8m o.6m core lo	oss	, , , , , , , , , , , , , , , , , , , 					·	╞╼╌┧	<u> </u>	 		+
68.9m	Medium grey quartzites										╂───	+	+
	fault gouge at 69.6m								┟╌╼╌┟		╂───		+
	core to beds at 79.2m is 90	o									 	+	
	80.0m to 80.8m dark greenis	h grey dyke - t	rapp				+	<u> </u>					╉━
	81.7m to 83.2m small veinle	ts of arsenopyr	ite.									╂	┢
	with some smaller veinlets 15cm of recemented core (fa	of granodiorite ult) at 87.0m	•	{									╂──
	ground broken up between 86											<u> </u>	
	15cm of argillites at 87.9m												
	20cm of feldspar phenocryst	s in a dark								{			
	ground mass at 90.5m												
		·											<u></u>

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PROPERTY	ROUCHER DEBOULE			HOLE NO.	<u></u>
Latitude	Elevation 1458.5m	Bearing	Depth 289.6m	Started	Completed
Departure	Section	Dip90°	Drilled By	I	ogged By_ D.C. Plecash

Depth Feet	Formation	Sample	From	То	Width	<u>L.</u>		Assa	IVS		<u> </u>
	7.6cm of feldspar phenocrysts in a dark	<u>No.</u>	'				+	+	+		
	ground mass at 94.9m		<u> </u>	 	+		+		+		
	92.lm to 94.9m granodiorite		<u> </u>		+		+		+	+	
	core to beds at 95.7m is 70°.			<u> </u>	1!	 		+	+		+
	100.3m to 100.6m quartz stringers with		 	 	-		+	+	+	+	
	feldspar phenocrysts and a little arsenopyrite.			 	11	 		+	1	+	+
	core to beds 45°	+		,	11		+	†	+	+	
	15cm feldspar porphyry at 101.5m				11				†	+	
	10cm feldspar porphyry at 102.7m		1	<u> </u>		<u>_</u>		<u> </u>	<u> </u>		+
	108.2m to 108.8m granodiorite	++									+
	108.8m to 110.3m quartz bands of 0.6cm in		, 		it		 '	 '			
	width scattered throughout							 	['	<u>├</u> '	
	108.5m to 138.1m quartzites intruded with	1							[]	<u>├</u> ────┤	
	quartz to give marble appearance.				+			[+		_]	
	114.9m to 115.7m granodiorite						 			·†	
	136.2m to 136.8m feldspar porphyry bands	1									í

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PROPER	TYROUCHER DEBOULE					HOLE N	0. <u>v81-8</u>			
Latitud	e Elevation_1458.5m	Bearing	· · · · · · · · · · · · · · · · · · ·	Depth	289.6m	Started		Comple	eted	
)epartu:	reSection	Dip	-90°	_ Drilled	By		Logged By	D.C.	D.C. Plecash	
Depth Feet	Formation		Sam No	ple From	То		Ass	avs		
	38.1m to 138.5m granodiorite							1		
	core to beds at 139.0m is 70°	<u> </u>						1		+
	141.1m to 145.7m mixed quartzites & G	ranodiorite							+	+-
	151.1m to 152.7m broken core quartzit	es								
<u></u>	152.7m - 10cm fault gouge, core to be	ds 45°						-		+
	numerous bands of quartz between 152.9	Əm							+	+
	and 157.9m									+
171.9m	159.lm to 159.4m feldspar porphyry							+		+
171.9m	Dark grey quartzites							•		+
174.Om								1		+
174.Om	granodiorite							·		<u>†</u>
	quartz bands start at 175.6m								<u> </u>	†
	182.0m to 200.9m some bands of granite	appearing						1		<u> </u>
	192.3m to 192.7m feldspar porphyry							+		
	192.9m to 194.5m granodiorite lighter	in colour		 						
	with some feldspar phenocrysts up to 0			++				†		

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Page 5 of 7

	IER DEBOULE							V			- <u></u>		
atitude	Elevation 1458.5m	Bearing	מ	epth	289.6m	Star	Started		Completed				
	Section												
Depth Feet	Formation		Sample No.	From	om To	Width			Assa	<u>vş</u>			
200.7m to	200.9m mixed quartz and feld	lpsar	140.					<u> </u>	+			Ŧ	
pegmatite.	Some of the quartz ground	mass								+		+	
200.9m is glossy	and clear									1		╈	
200.9m More grani	te appearing with small vein	lets						1		1	+	+-	
of hornble	nde scattered throughout.									1	1-	+	
Feldspar po	orphyry at 203.2m to 203.4m									1	1	╈	
11	207.6m to 207.9m								1	1		╈	
	208.5m to 208.8m	··						1		1	+	1	
п	209.1m to 209.3m										1	\dagger	
<u>214.5n "</u>	211.5m to 212.1m										1	\dagger	
14.5 Granite an	nd pegmatite dyke with string	gers										\uparrow	
of granodi	orite seams of hornblende in	n										\uparrow	
granodiori	te stringers.				[†	
224.2m to	225.2m medium green dyke ()	Lamprophyre)											
27.4m Little rem	obilization at 225.9m												
27.4n Mixed gran stringers.	odiorite and pegmatite with	a few quartz											

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Page 6 of 7

PROPE	RTYROUCHER DEBOULE	HOLE NOV81-8										
Latitu	de Elevation_1458.5m	Bearing	D	epth	289.6m					•		
	ure Section											
Depth Feet	Formation		Sample No.	From	То	Width		Assa	<u></u>			
233.'5m	Dark greenish grey guartzites with a	little	1			 		+				
1	quartz porphyry shot in it.							1	1			
236.5m	Pegmatite dyke.							1	1	+		
239.6m										+		
239.6m	Darker quartz porphyry.										+	
247.5m	242.5m to 244.5m light buff granodic	prite.								<u> </u>		
247.5m	Mixed granite and pegmatite dyke							<u> </u>		+		
	248.lm to 248.4m light buff granodic	prite						1		╉╼╼╼		
253.0m	249.9m to 251.0m light buff granodic	rite.									 	
253.Om	Dark granite intrusive										╂╌──┤	
	15cm fault gouge at 253.6m										 	
262.Om	260.8m to 262.0m light buff granodio	rite.										
262.Om	Dark grey quartzites											
264.Om												
264.Om	Pegmatite dyke.											
266.lm		·					┼──┤				{	

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Page 7 of 7

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	RTYROUCHER_DEBOULE						HOLE	NO	V81-8	3		
Latitud	leElevation1458.5	Elevation 1458.5m Bearing		Depth 289.6m			Starte		Completed			
Departu	reSection	Dip	-90°					Log	gged By	D.C.	Pleca	sh
Depth Feet	Formation		S	ample No.	From	То	Width	·	· Assa	<u>vs</u>		
266.lm	Finer quartz porphyry					<u>-</u>					-+	+-
	2.5cm band of guartz at 270.4m core	to bed 65°				 	┼╸╺╌┼╸				+	+
278.9m	275.5m to 278.9m mixed granite & pe	gmatite.								+		╋
278.9m	Pegmatite dyke - large coarse crysta	ls				<u> </u>	╏───┼╸			+		
2 87. 3m	287.3m to 287.9m fault zone.						┟┈┈╾┟╸			+		┿
287.3m	Dark soft argillite.	· <u> </u>				<u> </u>				+		
289.6m					╌═╼╶╂					+	+	
											+	+-
	End of hole at 289.6m.										+	+
										<u> </u>		
										 	<u> </u>	–
										<u> </u>		┨
												
												
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PROPERTY ROUCHER DEB	DULE	HOLE NO
Latitude	Elevation 1315.0m	Bearing S03°-00'W Depth 251.5m Started Sept. 21, 1981Completed Oct. 7, 1981
Departure	Section	Dip Drilled By D. Groot Logging Logged By D.C. Plecash

Depth		Sample	From	То	Width			Assaý			
Feet	Formation	No.	FIOM	10	WILLI	oz Au	oz Ac	8 Cu	<u>% Ni</u>	8 Co	& As
0-	Ouesthurden	3205			2.0		0.01				
<u>9.1m</u>	Overburden	3205	<u>9.1m</u>	<u>11.9m</u>	<u>2.8m</u>	1.0.002	0.01	0.01			
9.1m	Mixed feldspar porphyry in dark grey	3206	11.9m	12.8	0.9	L0.002	0.02	0.04	LO.01	<u>10.01</u>	0.01
12.8m	Quartzites	3207	12.8	15.5	2.7	L0.002	0.02	L0.01	LO.01	<u>10.01</u>	0.01
12.8m	Granodiorite with quartz veining, oxidization	3208	15.5	18.9	3.4	L0.002	0.02	0.01	LO.01	<u>1.0.01</u>	0.01
15.5m	on fractures	3209	18.9	20.6	1.7	LO.002	0.01	0.01	LO.01	L0.01	0.01
15.5m	Mixed granodiorite and guartzites, between 18.3m	3210	20.6	21.3	0.7	L0.002	0.02	0.01	LO. 01	L0.01	0.01
	and 19.5m is a fair amount of ironpyrites	3211	21.3	23.5	2.2	L0.002	0.02	L0.01	LO.01	1.0.01	0.01
	scattered throughout, granodiorite is medium	3212	23.5	25.3	1.8	L0.002	0.02	0.01	LO.01	<u>1.0.01</u>	0.01
20.6m	Brown in colour	3213	25.3	28.3	3.0	L0.002	0.02	0.01	LO.01	L0.01	0.01
20.6m	Dark grey quartzites with a 20cm band	3214	28.3	31.4	3.1	L0.002	0.02	0.02		0.01	
21.3m	of feldspar porphyry at 21.2m	- 3215	31.4	34.4	3.0	LO.002	0.02	0.03	LO.01	L0.01	0.01
21.3m	Granodiorite with quartz stringers and	3216	34.4	36.6	2.2	L0.002	0.0:	0.01	LO_01	LO.01	L0.01
	veinlets, some ironpyrites and arsenopyrites	3217	36.6	38.6	2.0	L0.002	0.0	L0.01	LO.01	L0.01	0.01
	showing up.	3218	38.6	39.6	1.0	L0.002	0.02	L0.01	LO.01	L0.01	0.01
	core to beds @ 22.3m is 65°	3219	39.6	42.7	3.1	L0.001	0.0	0.01	LO.01	LO.01	0.01
25.5m	core to beds @ 25.0m is 75°	3220	42.7	45.7	3.0	L0.002	0.02	L0.01	LO.01	LO.01	0.02

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PROPERTY Roucher De	eboule			HOLE NO.	- V81-9		
Latitude	Elevation 1315.0m	Bearing SO3°-00'W	Depth	_ Started		Completed	
Departure	Section	Dip52°-30'	Drilled By		Logged By	D.C. Plecash	

Depth Feet	Formation	Sample No.	From	1 To	Width			Assa	/s		<u> </u>
		No.				oz Au	oz A		8 Ni	& Co	* As
25.5m	Granodiorite with the odd stringer of	3221	45.7	7 46.4	0.7m	L0.002			LO.0	1	
	quartzites	3222	46.4	48.8	2.4	L0.002	1	1	+	+	1 LO.01
	15cm quartzites at 25.5m	3223	48.8	49.9	1.1	L0.002				L0.0	†
	10cm quartzites at 25.9m	3224	49.9	51.1	1.2	L0.002			1	1 LO.0	<u> </u>
31.4m	10cm feldspar porphyry at 29.4m	3225	51.1	53.4	2.3	L0.002	0.02	1		L0.0	<u> </u>
31.4m	Banded dark grey quartzites	3226	53.4	54.9	1.5	L0.002	0.02	1	[L0.0	<u></u>
38.6m		3227	54.9	57.9	3.0	L0.002	0.01	LO_0	LO.0	L0.01	0.01
38.6m	Medium to dark brown grandiorite	3228	57.9	60.0	2.1	L0.002	0.01	0_0	LO.0	L0.01	0.01
9.6m		3229	60.0	62.9	2.9	0.002	0.01	0.0	. LO.0	L0.01	נ.0
9.6m	Dark grey banded quartzites	3231	62.9	65.4	2.5	L0.002	0.02	TO-0	LO.0	L0.0	0.01
	39,6m to 40.2m ground up core	· 3232	65.4	68.4	3.0	0.002	0.02	LO_O	LO.0	L0.0	0.01
	from 41.4 banding more pronounced with	3233	68.4	71.3	2.9	L0.002	0.02	0.0	L0.0	L LO.0	0.01
	medium grey to dark grey bands up to	3234	71.3	74.4	3.1	0.002	0.02	0.0	LO.0	L0.01	0.01
	5cm wide	3235	74.4	77.4	.3.0	0.003	0.02	0.01	LO.0	L0.0L	0.01
	from 45.7m to 46.4m some oxidized	3236	77.4	80.6	3.2	0.002	0.02	LO. OI	LO.01	L0.01	0.01
	quartz veining	3237	80.6	81.5	0.9	L0.002				L0.01	0.01

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PROPERTY ROUCHER DEB	OULE			HOLE NO	
Latitude	Elevation 1315.0m	Bearing S03°-00'W	Depth 251.5m	_ Started	Completed
Departure	Section	Dip52°-30'	Drilled By		Logged By D.C. Plecash

Depth Feet		Formation Sample From To Wi										
reet	Formation	No.	Fron	n To	Width		OZ AU OZ AG & CU & Ni & CO & AS					
	48.8m to 49.9m quartz carbonate vein	3238	81.5	5 84.0	2.5	0.00	1	1	1 LO.O		1	
	49.9m to 51.1m dark quartzites with	3239	84.0	85.7	1.7	L0.002	1	0.0		L0.0	1	
<u>51.1</u> m	oxidized stained quartz	3240	85.7	86.2	0.5	L0.002		1	10.0	1	1	
<u>51.1m</u>	Dark quartzites with oxidized staining	3241	86.7	89.2	3.0	L0.002	1			L0.0		
<u> </u>	in core and some quartz veins	3242	89.2	92.3	3.1	L0.002	0.02	LO.0	L0.0	1	L0.01	
	54.9m to 57.9m lighter grey quartzites	3243	92.3	94.7	2.4	L0.002	1		1	1	L0.01	
	55.2m to 56.1m dark to light grey banded	3244	94.7	97.8	3.1	0.002			L0.01	1		
57.9m		3245	97.8	100.8	3.0	L0.002	0.02	LO.O	L0.01	L0.01	0.01	
57.9m	Dark quartzites with intrusions of quartz	3246	100.8	103.6	2.8	0.002	0.02	0_0	L0.01	L0.01	0.61	
	blebs and veinlets	3247	103.6	106.7	3.1	0.003	0.02	L0.0	. L0.0	L0.0	0.01	
	1.5cm of quartz @ 60.0m	3248	106.7	109.7	3.0	0.002	L0.01	LO.O	_ L0.0	L0.01	0.01	
	14cm vein of quartz with a little	3249	109.7	113.1	3.4	0.003	L0.01	LO.O	L0.0	L0.01	0.01	
	Arsenopyrite @ 60.4m	3250	113.1	116.4	3.3	0.003	0.02	L0.01	L0.0	L0.0	0.01	
	13cm vein of quartz with a little iron-	3251	116.4	119.5	. 3.1	0.002	0.01	ro-or	L0.01	L0.0	0.01	
	pyrite & Arsenopyrite @ 67.5m	3252	119.5	122.5	3.0	0.004	0.02	0.01	-	0.02	-	
62.9m	Little pegmatite bands with some ironpyrites between 57.9m and 59.9m	3253	122.5	125.6	3.1	L0.002	0.04	ro di	L0.01	L0.01	0.02	

PROPERTYROUCHER DEBOULE	нс	DLE NO. V	81-9
Latitude Elevation 1315.0m	Bearing SO3°-00'W Depth 251.5m St	tarted	Completed
DepartureSection	Dip52° - 30' Drilled By	Logg	ed By D.C. Plecash

Depth Feet		Sample No.	21_	· · · · · ·	1						
Freet.	Formation	No.	From	To	Width		T	<u>Assa</u>	<u>yş</u>		
62.9n	Medium to dark grey quartzites with small		1	128.6	3.0			1		1 LO.0	* <u>As</u> 0.02
	Veinlets of quartz	325	128.0	5 131.7	·	· · · · ·	1	+	╘╋╕┶╼╼╸	1 LO . O:	· · · · · · · · · · · · · · · · · · ·
	63.5m to 24.0m dark to light bands quartzites	3256	131.7	134.7	3.0	L0.002	0.02	LO.0	 1 т.0. 0	1 ro - 01	0.02
	with core to beds @ 70°	3257	134.7	136.6	· · · ·		†	·	- 	LO - 01	}
	A few small intrusives of feldspar	3258	136.6	139.6	3.0			<u> </u>	┥───	LO-01	├ ─────┤
	Porphyry at 65.2m to 65.4m	3259	139.6	142.6	3.0			<u> </u>	<u>+</u>	L0 - 01	<u> </u>
	Some Gypsum on fractures with a	3260	142.6	145.7	3.1					L0-01	
	Yellowish Colour from 65.5m to 80.5m	3261	145.7	147.8	2.1	L0.002				L0 - 03	0.02
	3cm quartz @ 76.4m	3262	147.8	149.7	1.9	L0.002	0.04		· · · ·	T0 - 01	0.02
	16cm feldspar porphyry @ 70.1m	3263	149.7	151.3	1.6	0.002				r0-01	0.02
80.6n	32cm feldspar porphyry @ 71.3m	3264	151.3	151.9						L0.01	0.01
80.6m	greywacke	3265	151.9	154.8						L0.0	0.02
81.5n		3266	154.8	157.9		0.002	<u>}</u>			L0.01	0.01
81.5n	Brownish green argillites with some	3267	157.9	160.9	3.0	0.003	0.02		L0.0		0.01
	Shist showing up throughout	3268	160.9	164.0	3.1 L	0.002	0.02		L0.01		0.01
84.0	Core broken up between 81.7m and 84.0m	3269	164.0	167.0	3.0	0.002 (0.02

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Page 4 of 9

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Fage 5 of 9

PROPERTYROUCHER DEBOULE	HOLE NO. V81-9
LatitudeElevation_1315.0m_Bearing_S03°-00'W_Depth_251.5m	StartedCompleted
Departure Section Dip52°-30' Drilled By	Logged By D.C. Plecash

Depth		Sample	 2	- <u>r</u>	· <u> </u>					·····				
Feet	Formation	No.	From	To	Width		1	Assa			·····			
84.0	Greywacke	3270	167.0	170.0	3.0	1	$\frac{\text{oz Aq}}{20.02}$	1		<u>k Co</u> 1 L0.01	1			
	1.5cm quartz vein at 84.7m. Core to beds @ 15°.	3271	170.0	172.8	2.8					1 10.01	{			
	85.7m to 86.2m. Ground up argillites	3272	172.8	175.9	3.1	0.00	0.04	Lo_0	LO.0	1 L0.01	0.01			
	30 cm feldspar porphyry at 87.0m	3273	175.9	178.9	3.0	L0.002	0.04	L0.01	LO.0	1 L0 - 01	0.01			
	93.3m to 93.8m medium sand colour granodiorite	3274	178.9	182.0	3.1	L0.002	0.02	L0.01	LO.0	1 L0 - 01	0.01			
	3cm fault zone at 94.7m	3275	182.0	185.0	3.0	L0.002	0.02	L0.01	L0.0	L L0-01	0.01			
	Lighter grey grevwacke at 95.9m to 97.5m	3276	185.0	188.1	3.1	0.003	0.02	L0_01	LO.01	L0 - 01	0.01			
101.2m	30 cm Feldspar porphyry at 97.8m	3277	188.1	191.1	3.0	0.002	0.01	L0.01	LO.01	L0_01	0.01			
101.2m	Dark Grey Ouartzites	3278	191.1	194.1	3.0	0.002	0.02	L0.01	LO.01	L0-01	0.01			
	102.6m to 102.7m argillites	3279	194.1	197.2	3.1	10.00	0.02	L0.01	L0.01	10.01	0.01			
110.6m	13cm feldspar porphyry at 103.6m	3280	197.2	199.5	2.3	0.002	0.02	L0.01	L0.01	L0.01	0.0I			
110.6m	Greywacke	3281	199.5	201.9	2.4	L0.002	0.02	L0.01	L0.01	L0.01	0.01			
116.4m	115.4m to 116.1m feldspar porphyry	3282	201.9	202.1	0.2	0.030	0.01	10.01	0.01	L0.01	0.83			
116.4m	Granodiorite with small veinlets of	3283	202.1	205.1	3.0	0.002	0.02	L0.01	L0.01	L0.01	0.01			
	quartz	3284	205.1	207.9	2.8	0.002	0.02	L0.0	L0.01	L0.01	0.03			
	122.5m to 122.7m argillites	3285	207.9	208.4	0.5	L0.002	0.01	L0.0	L0.0	LO.OI	0.01			

DIAMOND DRILL RECORD

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Page 6 of 9

PROPERTYROUCHER_D	EBOULE		HOLE NO	<u>v81-9</u>
Latitude	Elevation 1315.0m	Bearing SO3°-00'W Dept	th 251.5m Started	Completed
Departure	Section	Dip52°-30' Dril	lled By	Logged By D. C. Plecash

Depth Feet	Formation	Sampl No.	e From	То	Width		1	Assa	ys		
	123.6m to 123.8m feldspar porphyry	3286	208.4	211.1	2.7	10.002	0.02				+
	123.8m to 124.7m greywacke	3287	211.1			L0.002	1			1 LO.O	
	125.3m to 125.6m feldspar porphyry	3288	213.1			10.002				L L0.01	
	16cm feldspar porphyry at 128.2m	3289	215.0			L0.002				L L0.01	1
	129.2m to 129.5m more quartz stringers	3290	217.0	217.9	0.9	10.002				L0.01	
	135.9m to 136.6m mixed quartz with a little	3291	217.9	221.0	3.1	L0.002				L0.01	1
136.6m	feldspar porphyry and chlorite	3292	221.0	222.2	1.2	L0.002		1	1	L0.01	1
136.6m	Greywacke	3293	222.2	225.3		-0.002				L0.01	·····
	138.4m to 138.5m granodiorite	3294	225.3	227.7	2.4	0.002				L0.01	
	141.1m to 141.4m series of quartz veins	3295	227.7	230.7	3.0	.0.002				L0.01	
	Core to beds @ 65°.	3296	230.7	233.0	2.3	0.002				L0.01	
	8cm feldspar porphyry @ 139.6m	3297	233.0	235.6	2.5	0.002				L0.01	
	145.lm to 145.3m feldspar porphyry	3298	235.6	238.4	2.8	0.002				L0.01	
	145.4m to 145.9m darker greywacke with little	3299	238.4	241.7	3.3 L	0.002				L0.01	0.01
	Quartz Stringers	3300	241.7	244.8	3.1 L					L0.01	0.02
	147.5m to 148m darker greywacke with little quartz										
	stringers			<u>_</u>	··	····				i_	

DIAMOND DRILL RECORD

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Page 7 of 9

PROPERTY	ROUCHER DEBOULE	, , 		HOLE NO	<u>v81-9</u>
Latitude	Elevation 1315.0m	Bearing SO3°-00'W	Depth 251.5m	Started	Completed
Departure	Section	Dip	Drilled By	I	ogged By D.C. Plecash

Depth Feet		Sample No.			1	.					
reet	Formation	No.		То	Width	07 21		Assay	<u>s</u>		
149.7m	148.7m to 149.4m broken ground	3301	1	247.8	3.Om	L0.002	1	* Cu	1	1	* As 0.04
149.7m	Dark and medium grey banded quartzites.	3302		249.9	2.1	1	l	1		10.01	
	151.3m to 151.9m granodiorite with small	3303	249.9	251.5	1.6	L0.002					
	Flecks of arsenopyrite. Core to beds @ 20°.								10:01	10.01	0.01
	155.1m to 155.3m granodiorite with some										<u>ا</u> ا
	quartz shot through it.										l
	154.8m to 160.6m. Quartz in quartzites to								I		i
	give marble look.			j							
	160.6m to 161.2m a few bands of argillites										
	5cm band quartz at 161.8m. Core to beds @ 65°.										
	161.2m to 172.8m small quartz stringers								·		
	scattered throughout.								<u>-</u>		
	168.6m to 169.3m feldspar porphyry										
	169.8m to 172.8m 10cm bands of feldspar			<u> </u>							
172.8n	Porphyry appearing at 30cm intervals										
172.8n	Fine grained quartz porphyry										

Page 8 of 9

DIAMOND DRILL RECORD

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PROPERTYF	ROUCHER DEBOULE	!		HOLE NO. V81-9)
Latitude	Elevation 1315.0m	Bearing S03°-00'W	Depth 251.5m	Started	Completed
Departure	Section	Dip52° - 30'	Drilled By	Logged B ₃	D.C. Plecash

Depth Feet	Formation	Sample No.	From	To	Width			Assay	75		
	Fine grains of arsenopyrite appearing				+	<u>}</u>					
	from 181.4m to 199.5m						1	+			
	Small quartz veinlets starting to				<u> </u>			+	 		
	appear at 182.6m. Core to beds @ 65°.				<u> </u>		1		<u> </u>	+	
	197.1m some garnets appearing on	-			<u> </u>				<u> </u>	+	
	fractures. Less aresenopyrite showing.								<u> </u>	<u> </u>	
199.5m	199.5m 3cm band quartz. Core to Beds 60°.										
199.5m	Light Brown granodiorite with small		-				<u> </u>	<u> </u>		<u> </u>	<u> </u>
	veinlets of quartz.									 	+
	15cm of quartz with arsenopyrite at 202m.										<u> </u>
	Core to beds @ 70°.										
	202.lm 8cm quartz stringer										
	207.9m to 208.4m quartz carbonate vein										
211.Om	(Barren)										
211.Оп	Argillites			<u> </u>							
	212m to 213.lm quartz veining with carbonates										

DIAMOND DRILL RECORD

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PAGE 9 of 9

PROPER	RTY ROUCHER DEBOULE				HOLE NO	•	-9		
Latitud	de Elevation1315m Bear	ing_S03°-00'W_I	epth	251.5m	Started_		Comp1	eted	
Departu	ure Section Dip	_52°-30' I	rilled	Ву		Logged I	3y_D.C.	Plecas	h
Depth Feet	Formation	Sample No.	From	То	Width	^s	says		
	215.3m to.215.8m feldspar porphyry								•
	217.0m to 217.9m quartz carbonate vein with								1
222.2m	Arsenopyrite. Core to Beds 60°								+
222.2m	Granodiorites with small veinlets of quartz	15cm							+
	feldspar porphyry at 224.3m								+
227.7m	225.7m to 226.0m feldspar porphyry							+	
227.7m	Greywacke							- <u> </u>	<u> </u>
233.Om	232.3m to 232.9m fingers of granodiorite								
233.Om	Quartzites with quartz intrusive to give man	cble							
	appearance.								<u> </u>
	233.0m to 233.3m feldspar porphyry								
	238.4m to 238.8m banded black argillites							+	
	with small bands of calcite					+			
	250m rock becomes more dense with a							┼╌╌┨	······
251.5m	sandy like appearance					- <u> </u>		┼──┨	
	End of Hole at 251.5m.							┼──┤	
		1 1		1		1 1	I	1 1	

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Attention:

D. Groot Logging Ltd.

Mr. Bud Plecash

P.O. Box 520

VOJ 2NO

Smithers, B.C.

	can test Rd.
95 8.00	1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

Certificate of Assay

File No. 3936E-6-1

Date Nov. 30, 1981

Telex 04 54210

Sample Identification	GOLD	SILVER	COPPER	NICKEL	COBALT	ARSENIC		
Sample Identification	Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent N1	Percent Co	Percent As	Percent	Pe
· VOI-9	1							T
3205	L 0.002	0.01	0.01	L 0.01	L 0.01	L 0.01	-30-	- 3
3206	L 0.002	0.02	0.04	L 0.01	L 0.01	0.01	-39-	-42
3207	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01	42-	-15
3208	L 0.002	0.02	0.01	L 0.01	L 0.01	0.01	ـ اتر -	
3209	L 0.002	0.01	0.01	L 0.01	L 0.01	0.01	-62-	-67
3210	L 0.002	0.02	0.01	L 0.01	L 0.01	0.01	67.5	
3211	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		Ļ,
3212	L 0.002	0.02	0.01	L 0.01	L 0.01	0.01	-77-	_
3213	L 0.002	0.02	0.01	L 0.01	L 0.01	0.01	- <u>77-</u> 83-	+>
3215	L 0.002	0.02	0.03	L 0.01	L 0.01	0.01	-93-	1
3216	L 0.002	0.02	0.01	L 0.01	L 0.01	L 0.01	143-	
3217	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		1,2
3218	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		17
3219	L 0.002	0.02	0.01	L 0.01	L 0.01	0.01	126.8	
3220	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.02	720.0	
			1				+30	+^

Note: Pulps retained three months.

Rejects retained two weeks.

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Form No. 13-C

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Provincial Assayer

Telex 04 54210

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D.	Groot	Logging	Ltd.
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P.O. Box 520

Smithers, B.C.

VOJ 2NO

Attention: Mr. Bud Plecash

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

Certificate of Assay

File No. 3936E-6-2

Date Nov. 30, 1981

Drill core Me herebu Certifu that the following are the results of assays made by us upon submitted ARSENIC COPPER NICKEL COBALT GOLD SILVER Sample Identification Ounces Ounces Percent Percent Percent Percent Percent Per Ton Per Ton V81-9 0.01 3221 0.02 L 0.01 L 0.002 L 0.01 L 0.01 L 0.01 3222 L 0.01 L 0.002 0.02 L 0.01 L 0.01 3223 L 0.01 0.01 L 0.002 0.01 L 0.01 L 0.01 3224 0.01 L 0.002 L 0.01 0.02 0.01 L 0.01 -160 3225 L 0.01 0.01 L 0.002 0.02 L 0.01 0.01 3226 L 0.01 L 0.002 0,02 0.01 L 0.01 L 0.01 3227 L 0.002 L 0.01 0.01 0.01 L 0.01 L 0.01 3228 L 0.002 0.01 0.01 L 0.01 L 0.01 0.01 3229 0.01 L 0.01 0.01 0.002 0.01 L 0.01 3231 0.01 L 0.002 0.02 L 0.01 L 0.01 L 0.01 3232 0.002 0.02 0.01 L 0.01 L 0.01 L 0.01 3233 0.01 L 0.002 0.02 0.01 L 0.01 L 0.01 3234 L 0.01 0.01 0.002 0.02 0.01 L 0.01 3235 0.01 0.003 0.02 L 0.01 L 0.01 0.01 3236 0.01 0.002 0.02 L 0.01 L 0.01 L 0.01

Note Pulps retained three months.

L = Less than

Rejects retained two weeks

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Provincial Assayer

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D. Groot Logging Ltd	D.	Groot	Logging	Ltd.	,
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P.O. Box 520

Smithers, B.C.

VOJ 2NO

Mr. Bud Plecash Attention:

can test nd. 1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

Certificate of Assay

3936E-6-3 File No.

Nov. 30, 1981 Date

Ale hereby Certify that the following are the results of assays made by us upon submitted

drill core samples.

GOLD	SILVER	COPPER	NICKEL	COBALT	ARSENIC		
Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent Ni	Percent Co	Percent AS	Percent	Percent
				•			
L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01	ļ	1
0.002	0.02	L 0.01	L 0.01	L 0.01	0.01	1	1
L 0.002	0.01	L 0.01	L 0.01	L 0.01	0.01		
L 0.002	0.02	L 0.01	L 0.01	L 0.01	L 0.01		1
0.002	0.02	L 0.01	L 0.01	L 0.01	0.03		
L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
	0.02	0.01	L 0.01		0.01	1	Ì
1	0.02	L 0.01	L 0.01		0.01		
	0.02	L 0.01	L 0.01			1	
0.003	0.04	L 0.01	L 0.01	L 0.01	0.01		ĺ
0,003	0.02	L 0.01	L 0.01	L 0.01	0.01		
	0.01	L 0.01	1				
1 1	0.04	L 0.01	1				
	0.02	L 0.01					
L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.02		
	٥						
	Ounces Per Ton L 0.002 0.002 1.0.002 L 0.002 L 0.002 L 0.002 L 0.002 L 0.002 0.002 0.002 0.003 0.002 0.003 0.002 L 0.002 L 0.002 0.003 0.002 L 0.002 L 0.002	Ounces Per Ton Ounces Per Ton L 0.002 0.02 0.002 0.02 L 0.002 0.02 L 0.002 0.01 L 0.002 0.02 L 0.002 0.02 0.002 0.02 0.02 0.002 0.02 0.02 0.003 0.02 0.02 0.003 0.02 0.02 0.003 0.04 0.002 0.002 0.01 1.002 L 0.002 0.02	Ounces Per Ton Ounces Per Ton Percent Cu L 0.002 0.02 L 0.01 0.01 L 0.01 0.002 0.02 L 0.01 L 0.01 L 0.002 0.02 L 0.01 L 0.01 L 0.002 0.02 L 0.01 L 0.01 L 0.002 0.02 L 0.01 L 0.01 0.003 0.02 L 0.01 L 0.01 1 0.002 0.02 L 0.01 L 0.01 <	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

Note. Pulps retained three months.

Rejects retained two weeks.

CAN TEST LTD.

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Form No. 13-C

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р.	Groot	Logging	Ltd.
D.	Groot	Logging	LCC

Mr. Bud Plecash

P.O. Box 520

VOJ 2NO

Attention:

Smithers, B.C.

Can test itd. 1650 PANDORA STREET, VANCOUVER, B.C. VSL 1L6

Certificate of Assay

Date Nov. 30, 1981

The hereby Certify that the following are the results of assays made by us upon submitted

drill core samples.

GOLD	SILVER	COPPER	NICKEL	COBALT	ARSENIC		ļ
Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent Ni	Percent Co	Percent As	Percent	Percent
1 0 002	0.02	10.01	 T 0 01	J. 0.01	0.02		
				1	1	1	Í
						· ·	1
				1.			1
0.002	0.01		1 1 0.01	1 0.01	0.01		·
L 0.002	0.02	0.01	L 0.01	L 0.01	0.02		
L 0.002	0.04	L 0.01	L 0.01	L 0.01	0.02		
L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.02		
0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
L 0.002	0.04	L 0.01	L 0.01	L 0.01	0.02		
0,002	0.04	0.01	т. 0.01	1. 0.01	0.01		
		•					
				1	L		
							1
0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
	Per Ton L 0.002 L 0.002 0.002 0.002 0.002 L 0.002 L 0.002 L 0.002 L 0.002 L 0.002 0.002 L 0.002 0.003 L 0.002 0.003 L 0.002 0.002 0.003	Per Ton Per Ton L 0.002 0.02 L 0.002 0.02 0.002 0.02 0.02 0.002 0.02 0.01 0.002 0.01 0.002 0.002 0.02 0.01 L 0.002 0.02 L 0.002 0.02 L 0.002 0.02 L 0.002 0.02 0.002 0.02 0.02 L 0.002 0.04 0.002 0.04 0.02 L 0.002 0.02 L 0.002 0.02 L 0.002 0.02 L 0.002 0.02	Per Ton Per Ton Per Ton Percent Cu L 0.002 0.02 L 0.01 L 0.01 0.01 L 0.01 L 0.002 0.02 L 0.01 0.01 L 0.01 0.002 0.02 L 0.01 L 0.01 0.002 0.01 L 0.01 L 0.01 0.002 0.02 0.01 L 0.01 L 0.002 0.02 0.01 L 0.01 L 0.002 0.02 0.01 L 0.01 L 0.002 0.02 L 0.01 L 0.01 L 0.002 0.02 L 0.01 L 0.01 L 0.002 0.02 L 0.01 L 0.01 0.002 0.04 L 0.01 L 0.01 0.003 0.02 0.02 L 0.02 L 0.002 0.02 L 0.01 0.02 0.002 0.02 L 0.01 0.01	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Per Ton Per Ton Percent VI VI Percent VI Percent VI Percent VI VI VI VI VI<

Note Pulps retained three months.

Rejects retained two weeks.

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Ouros t Provincial Assayer

Telex 04 54210

Form No. 13 C

File No. 3936E-6-4

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Đ.	Groot	Logging	Ltd.
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P.O. Box 520

Smithers, B.C.

VOJ 2NO

Attention: Mr. Bud Plecash

1650 PANDORA STREET, VANCOUVER, B.C. VSL 1L6

Certificate of Assay

3936E-6-5 File No.

Date Nov. 30, 1981

Sample Identification	GOLD	SILVER	COPPER	NICKEL	COBALT	ARSENIC		
	Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent N1	Percent Co	Percent As	Percent	Percent
51-9 2271								
	0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
3272	0.002	0.04	L 0.01	L 0.01	L 0.01	0.01		
3273	L 0.002	0.04	L 0.01	L 0.01	L 0.01	0.01	·	
3274	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		ľ
3275	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
3276	0.003	0.02	L 0.01	L 0.01	L 0.01	0.01		1
3277	0.002	0.01	L 0.01	L 0.01	L 0.01	0.01	ļ	
3278	0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
3279	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		1
3280	0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
3281	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		ĺ
3282	0.030	0.01	L 0.01	0.01	L 0.01	0.83	1	ł
3283	0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
3284	0.002	0.02	L 0.01	L 0.01	L 0.01	0.03	1	
3285	L 0.002	0.01	L 0.01	L 0.01	L 0.01	0.01		
L = Less than								

Note: Pulps retained three months.

Rejects retained two weeks.

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Form No. 13-C

CAN TEST LTD.

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Telephone	254	12228	
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3936E-6-6

Nov. 30, 1981

D. Groot Logging Ltd.	1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6	
P.O. Box 520		
Smithers, B.C.	Mantifiants of A annu	File No.
VOJ 2NO	—— Certificate of Assay	Dale
Attention: Mr. Bud Plecash	, <u> </u>	2010

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Sample	Identification	GOLD	SILVER	COPPER	NICKEL	COBALT	ARSENIC		
		Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent Ni	Percent Co	Percent As	Percent	Percent
181-9	3286	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
	3287	L 0.002	0.01	L 0.01	L 0.01	L 0.01	0.01		
	3288	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
	3289	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		i i
	3290	L 0.002	0.04	L 0.01	L 0.01	L 0.01	0.01		
	3291	L 0.002	0.04	L 0.01	L 0.01	L 0.01	0.01		
	3292	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.02		
	3293	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		1
	3294	0.002	0.05	L 0.01	L 0.01	L 0.01	0.01		
	3295	L 0.002	0.01	L 0.01	L 0.01	L 0.01	0.01		
	3296	0.002	0.01	L 0.01	L 0.01	L 0.01	0.01		
	3297	0.002	0.02	L 0.01	L 0.01	L 0.01	0.02		
	3298	L 0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
	3299	L 0.002	0.01	L 0.01	L 0.01	L 0.01	0.01		[
	3300	L 0.002	0.01	L 0.01	L 0.01	L 0.01	0.02		

Note: Pulps retained three months.

CAN TEST LTD.

Rejects retained two weeks.

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Form No. 13-C

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Provincial Assayer

D. Groot Logging Ltd.

P.O. Box 520

Smithers, B.C.

VOJ - 2NO

Certificate of Assay

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1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

3936E-6-7 File No.

Date Nov. 30, 1981

Attention: Mr. Bud Plecash

Alle hereby Certify that the following are the results of assays made by us upon submitted

drill_core_____samples.

Sample Identification	GOLD SILVER		COPPER	NICKEL	COBALT	ARSENIC		
	Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent Ni	Percent Co	Percent As	Percent	Percent
1-9 3301								
, 2001	L 0.002	0.01	L 0.01	L 0.01	L 0.01	0.04		
3302	0.002	0.02	L 0.01	L 0.01	L 0.01	0.01		
3303	L 0.002	0.01	L 0.01	L 0.01	L 0.01	0.01		
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L = Less than								
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Note Pulps retained three months.

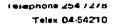
Rejects retained two weeks

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Provincial Assayer

Form No. 13-C

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Tele-	04 6	47.00	



То			

D. Groot Logging Ltd.,

P.O. Box 520

Smithers, B.C.

V0J 2N0

Certificate of Assay

can test nd.

1650 PANDORA STREET, VANCOUVER, B.C. VSL 1L6

File No. 4617E-6

Date December 23, 1981

Attention: Mr. Bud Plecash

Me hereby Certify that the following are the results of assays made by us upon submitted

drill core samples.

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		GOLD	SILVER	COPPER	LEAD	ZINC	COBALT	TUNGSTEN	-
Sample Identification		Ounces Per Ton	Ounces Per Ton	Percent Cu	Percent Pb	Percent Zn	ercent Zn Percent CO Perce	Percent W	Percent
31-9									
	3214 28.3M - 31.4M	L0.002	0.02	0.02	0.02	0.02	0.01	0.011	
	3239 84.0H -85.7 M	L0.002	0.01	0.01	0.01	0.02	0.01	0.010	
	3241 86.714 -89.2 M	L0.002	0.01	0.01	L0.01	0.01	L0.01	0.010	
	3252 119.5m - 122.5M	0.004	0.02	0,01	L0.01	0.02	0.02	0.012	1

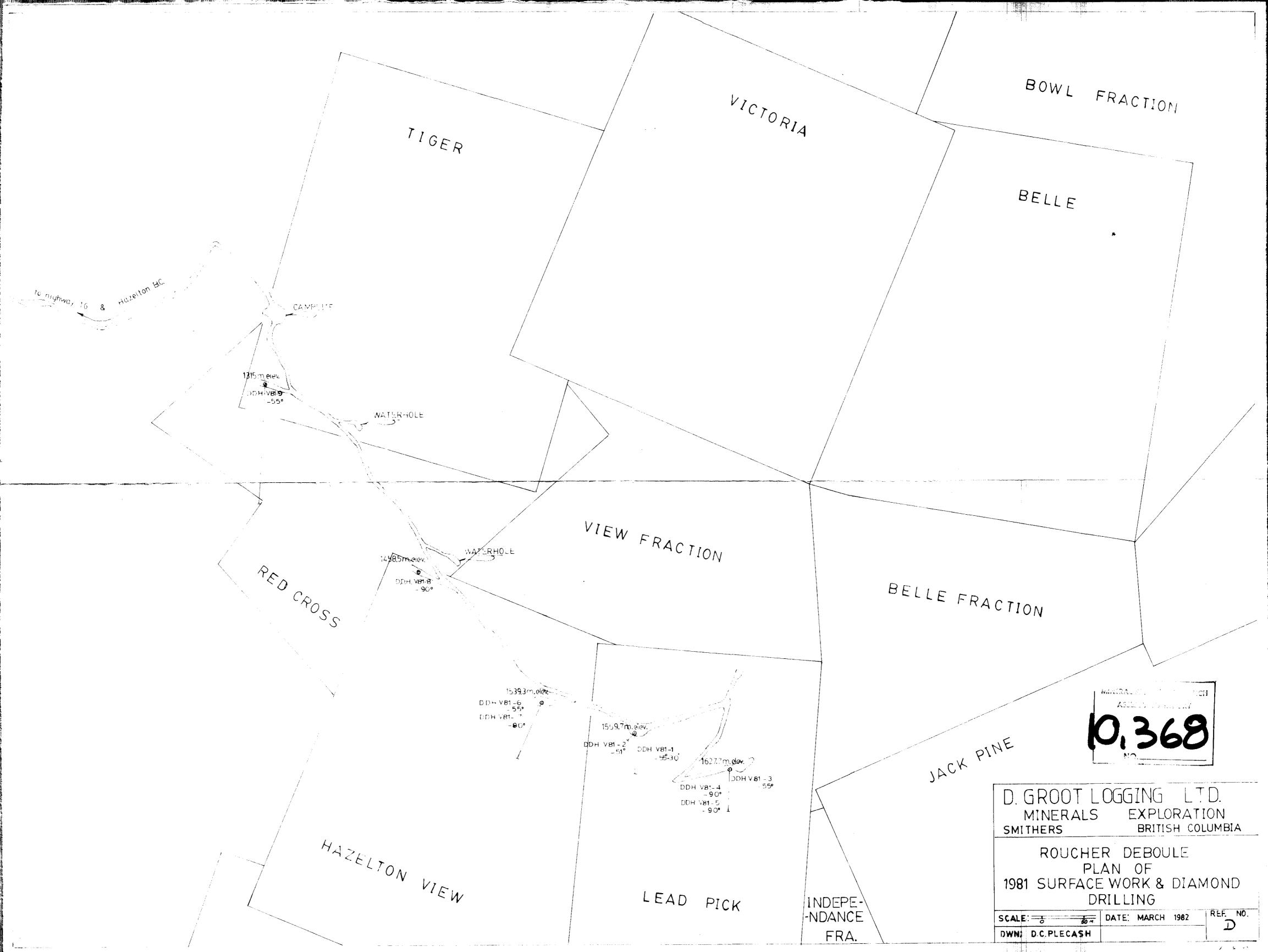
Note Pulps retained three months.

Rejects retained two weeks.

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		M. HUXT				

