

82 -125 -10182

DRILLING REPORT

BURBRIDGE LAKE PROPERTY

93L/10

OMINECA M.D.

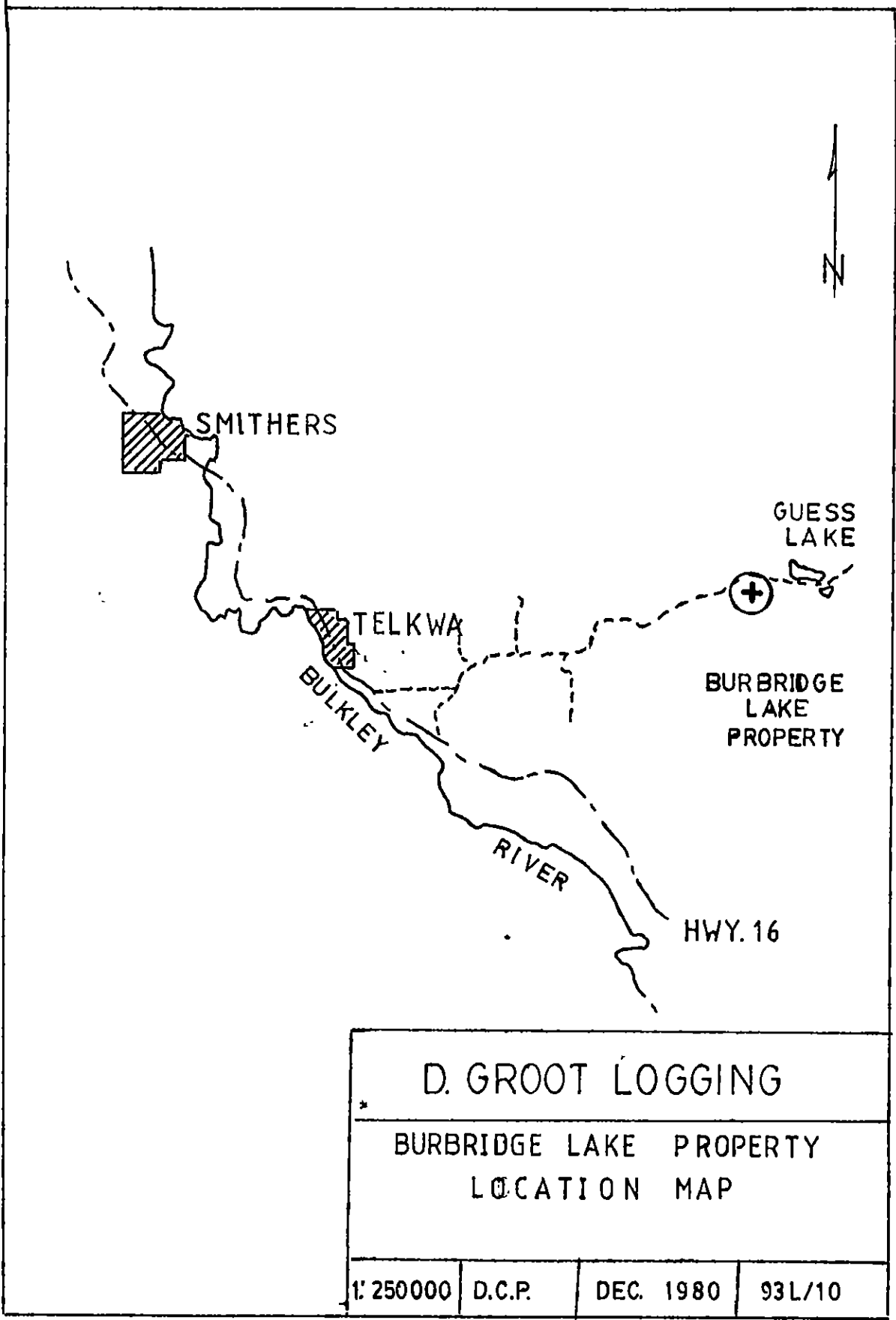
D. GROOT LOGGING LTD.

SMITHERS, B.C.

D.C. PLECASH - GEOLOGIST - MARCH 1982

54° 43'
126.45

10,182



T A B L E O F C O N T E N T S

	<u>PAGE</u>
Summary	1
Location and Access	2
History	2&3
Regional Geology	4
Property Geology	4
1981 Diamond Drill Program	5&6
Conclusion	7
Qualification	8
Figures	
(1) Location Map	Front Page
(2) Burbridge Lake & Environs Surface Plan	#1 Pocket
(3) Burbridge Lake Diamond Drill Holes 81-1, 81-2, 81-3	#2 Pocket
(4) Burbridge Lake Diamond Drill Holes 81-4, 81-5	#2 Pocket
Appendices	
Appendix A	Cost Statement
Appendix B	Cost Breakdown
Appendix C	Claim List
Smithers Transport Invoices	After Claim List
G.M. Hutchinson D8H Cat Invoice	After Claim List
B. & A. Rentals D6 Cat Invoice	After Claim List
Diamond Drill Logs and Assay Results	Before #1 Pocket

BRITISH COLUMBIA
OMINECA M. D. - 93 / L
BURBRIDGE LAKE PROPERTY

SUMMARY:

Between May 4th, 1981 and June 13, 1981, D. Groot Logging Ltd. did work on the Burbridge Lake Property, that comprised of snow plowing out the road into the property from Woodmere Road, a distance of 11.3km. Cleaning out the main road onto the property to the 1980 Diamond Drill Sites for a distance of 2.1km. And building new winter roads to the drill sites and water supply areas for a distance of 1.2km.

Five Diamond Drill Holes were completed on the property. The first three Diamond Drill Holes were drilled on the south west part of the property on the strength of the high soil sample readings that were obtained from the 1980 field work. The two other Diamond Drill Holes were drilled in the centre part of the property, south east of Burbridge Lake. These were also drilled in the area because of high soil sample readings that were obtained in the 1980 field work. The total Diamond Drill footage amounted to 491.2 meters.

LOCATION AND ACCESS:

The Burbridge Lake property is situated in West Central B.C. at latitude 54° 43' N, and longitude 125° 45' W. The main area of interest is located South and South East of Burbridge Lake.

The property is accessible via Woodmere Road, which joins Highway 16 approximately 1.6km south of the town of Telkwa, B.C. and thence up Woodmere Road, 9.5km to Hutchinson Farm and beyond here for 11.3km to Burbridge Lake.

HISTORY:

The Burbridge Lake property was staked by Mel Chapman in 1969. In 1973 the property was optioned by Hudson Bay Oil and Gas who carried out a program of Geological mapping, a group magnetic survey, Geological soil sampling and 366M of diamond drilling in three (3) holes. The option agreement was terminated.

In 1974, Cities Service took an option on the property, and completed an I.P. and magnetometer survey and did 485M of diamond drilling in two (2) holes. This work failed to encounter any significant mineralization and the option was terminated.

In 1976 Asarco did a cursory examination of the structural and stratigraphic setting of the zone of mineralization, in the reviewing of all the available data, it suggested a dip to the southwest, with the host dioritic intrusion occurring as a sill within the volcanic succession. With Hudson Bays Oil and Gas and Cities Service drill program set ups showed that all of the drill holes were inclined between 45° and 55° to the south, the holes were close to being parallel to, rather than crosscutting the zone of mineralization. On this basis, an option agreement was drawn up. In 1977 Asarco laid out a program of six (6) diamond drill holes. The results confirmed that the diorite is a sill-line body dipping to the southwest. The option was terminated.

In 1980, D. Groot Logging of Smithers, B.C. reviewed all the pertinent data from previous work done on the property and came to the conclusion that there

could be a possibility of increased grades of copper and molybdenum in the stock work to the west of the drill holes that Asarco had drilled. A deal was made to get control of the property then work commenced. Four (4) diamond drill holes were drilled. The first three (3) to see if the dioritic sill increased in mineralization to the west and also westerly extension of the sill. The results showed that the mineralization did not increase in the previous encountered amounts and also that the dioritic sill is cut off to the west between diamond rill holes 80-2 and 80-3 by a fault. The fourth hole was drilled on the eastern part of the property to try and pick up some small copper, silver veins at depth. This diamond drill hole did not pick up any vein extensions at depth. A detailed soil sample program was done over four (4) areas of the property. And some hand trenching and cat trenching was also done over a few areas of the property.

In 1981 the company then decided to diamond drill in the areas where the previous year soil sample program came up with some high readings in two different zones.

REGIONAL GEOLOGICAL SETTING:

The Burbridge Lake property is situated along the western margin of the Babine Range, within a block of up lifted rhyolitic to andesitic volcanic rocks of the Jurassic Age. These rocks are part of the Telkwa formation of the Hazelton group and have been subjected to regional green schist metamorphism. With the predominant north east and north by north west trending linears intersecting in the vicinity of the Burbridge Lake property, this usually represents high angle faults.

PROPERTY - GEOLOGY:

The Burbridge Lake property is underlain by rhyolitic dacite and andesitic tuffs and flows of the Telkwa formation. Their rocks have been regionally metamorphosed to the greenschist facies and are strongly foliated in places, with the foliation occurring along bedding planes. The general trend of the foliation is to the north west with variable dips to the south west. Eutaxitic textures are common in the more lilaceous crystal and lapilli-tuff units.

By: D.G. MacIntyre

In the vicinity of Burbridge Lake, the Telkwa formation is intruded by a sill-like complex which is between 150M to 200M thick, and at least 1500M in length. The upper part is porphyritic and approaches a granodiorite in composition. Towards the bottom of the contacts, the sill becomes more mafic-rich with a well developed diorite texture. The sill appears to be foliated and metamorphosed to the same intensity as the volcanic country rock, which suggests that all of the rocks in the immediate area are the same age. i.e. Jurassic.

1981 DIAMOND DRILL PROGRAM:

Between May 4, 1981 and June 13, 1981, 491.2M of diamond drilling (N.Q. Wireline) was completed on the Burbridge Lake property. 267.5M were drilled south west of Burbridge Lake and 223.7M were drilled east of Burbridge Lake.

D.D.H. 81-1, this hole was collared 170M west of B1-80 and 15M north of line J at an elevation of 1270M. The hole was drilled in a due north direction at a -70° dip. The purpose of this hole was to check the high soil sample results from the 1980 field work. From 3.7M to 27.1M the hole went through a series of banded light to dark limey argillites, then from 27.1 to 87.5 into a zone of multi greyish green to dark green hues of anesites. These have numerous bands of veinlets of quartz calcite running through. A little zone between 35.5M to 36.2M showed some small flakes of zinc. A small amount of argillites appeared between 48.4M and 56.8M then again between 75.3M and 80.5M. The hole was stopped at 87.5M.

D.D.H. 81-2 This hole was collared on B.L.-80 and 5M south of line C at elevation of 1291 meters. The hole was drilled in a N11-30E direction at a -70° dip. The purpose of this hole was also to check out the high soil sample results from the 1980 field work. Between 0.6M to 30.5M the hole went through bands of argillites with a fair amount of quartz calcite showing up with a few spots of ZnS. But very little lime as previously encountered in the first hole. From 30.5M to 65.0M, the hole went through some banded and brecciated light to dark green andesites. A few bands of quartz calcite was shot through the core at 31.7M to 44.5M and a few flecks of iron pyrites were observed from 50.3M to 65.0M. The hole was stopped at 65.0M.

D.D.H. 81-3, This hole was collared 33.5M south of D.D. Hole 81-2. The hole was drilled in a N11-00W direction at a -65° dip, the purpose of this hole was to see if any mineralization could be encountered that was observed at the start of D.D.Hole 81-2. From 1.2M to 6.7M the hole went through a dark greyish green to lighter greyish green brecciated slightly limey argillites, from 6.7M to 99.0M the hole went through light to dark bands of greyish green andesites with some small quartz calcite stringers scattered throughout. From 29.7M to 44.5M the core is very limey, then at 44.5M to 45.1M the core is a grey

banded limestone. No lime is encountered after this 0.6 Meter band of limestone. From 99.0M to 110.5M the hole is in a zone of light sandy quartz with fingers of a lighter quartz shot throughout. A few small veinlets of ZnS, were seen between 98.5M and 98.8M. The hole between 110.5M and 115.0M went through banded and brecciated medium grey cherty andesites. The hole was stopped at 115.0M.

D.D. Hole 81-4: This hole was collared 122M west of BL 120 and 24M north of line 120-4. The hole was drilled at an elevation of 1163M at a minus 90° dip. The purpose of this hole was to check on a high soil sample results from the 1980 field work. Between 3.0M and 37.7M the hole was in a quartz porphyritic diorite with some FeS. scattered throughout. This zone is the bottom of the main diorite sill that has been previously diamond drilled by D. Groot Logging, Asarco, Citie Service and Hudson Bay Oil and Gas. There was no visible evidence of any Cu. or Mo. as seen in some of the other diamond drill holes. From 37.7M to 78.0M the core is a greenish grey foliated andesites with quartz calcite veinlets occasionally passing through. Strong fault zone at 48.2M. From 78.0M to 125.6M shows from massive to brecciated green to red andesites with quartz and epidote appearing very frequently and some specularite and hematite visible. 125.6M to 134.1M has banded and foliated altered to buff colour andesitic tuffs. Small veinlets of quartz all through the core with a lot of buff coloured oxidized staining around the quartz structures. From 134.1M to 139.3M is a dark greyish brown brecciated andesites. Hole stopped at 139.3M.

D.D. Hole 81-5: Was collared 205M at a N76°E direction from D.D. Hole 81-4 at an elevation of 1176M. The purpose of this hole was to again check on a high soil sample reading from the 1980 field work. From 4.3M to 15.7M the core is a banded and foliated altered to buff coloured andesitic tuffs. Small veinlets of quartz shot throughout the core. There is FeS, also present in the core. From 15.7M to 29.0M the core is a dark greyish brown brecciated andesites, strong fault zone at 23.8M to 24.0M. From 29.0M to 40.8M is a mixed light greyish buff coloured andesites with a black siliceous andesites. From 40.8M to 84.4M the core becomes a massive to brecciated green to red andesites with quartz and epidote appearing in a fair amount and some hematite staining throughout. Hole stopped at 84.4M.

CONCLUSION:

The 1981 Diamond Drill program showed that in the South West area of the Burbridge Lake property where holes No's. 81-1, 81-2 and 81-3 were drilled, no amount of mineralization was found to encourage any more diamond drilling at the present time. It is shown that with the amount of quartz that is distributed through both the sediments and volcanics, much fracturing took place and the fracture filled veins could carry amounts of commercial mineralization as not. In the middle area of the property east of Burbridge Lake, diamond drill holes 81-4 and 81-5 were drilled. D.D. Hole 81-4 showed that the main diorite stock of the area was encountered in the first 37.7 meters of hole and the sill in this area dips to the southwest at a -30° . No mineralization showed up to account for the high soil sample readings in this area from last years work. Diamond drill hole 81-5 did not go through any of the diorite sill as it was collared too far to the north on section to hit the zone. This hole did not come up with any mineralization.



D.C. PLEKASH

GEOLOGIST

STATEMENT OF QUALIFICATIONS


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.



BURBRIDGE LAKE
COST STATEMENT
1981

Diamond Drilling (491.2M)	\$27,081.50
Cat Work & Moving Equipment	4,811.40
Cat Swamper, Helper, Watchman	2,733.59
Supervision, Core Logging, Maps and Reports	7,164.23
Assay Costs	372.00
	<hr/>
TOTAL	<u>\$ 42,162.72</u>


D.C. PLECASH
GEOLOGIST

BURBRIDGE LAKE

1981

Cost Breakdown

DIAMOND DRILLING

J. Holland Enterprise - Diamond Driller	\$ 7,535.40	
R. Groot - Wages, Bonds + Fringe = Drill Helper	5,147.96	
Supplies		
Fuel, Bits etc.	2,696.00	
Core Boxex & Lids, 80 @ \$6.20 Each	502.20	
Drill Equipment Write-off	9,838.34	
Transportation		
4 x 4 - 30 Days @ \$35.00/Day	1,050.00	
Gas & Oil	<u>301.60</u>	\$ 27,081.50

MOVING EQUIPMENT & CAT WORK

Smithers Transport	255.40	
G. Hutchinson - D8 Tractor	3,880.00	
B.A. Rentals - D6 Tractor	<u>676.00</u>	4,811.40

CAT, SWAMPER, HELPER, WATCHMAN

Mel Chapman - Wages + Fringe Benefits		
22 days @ \$124.254/Day	<u>2,733.59</u>	2,733.59

SUPERVISION, CORE LOGGING, MAPS & REPORTS

D.C. Plecash		
Supervision on Job 30 days @ \$178.57/	5,357.10	
Logging Core 4 Days @ 178.57/	714.28	
Maps & Reports 5 Days @178.57/	892.85	
Typing Blue Prints, Photo Copies,etc.	<u>200.00</u>	7,164.23

ASSAY COSTS

	<u>372.00</u>	<u>372.00</u>
--	---------------	---------------

TOTAL

\$ 42,162.72



D.C. PLECASH
GEOLOGIST

CLAIM LIST

NAME		RECORD NO.	DATE RECORDED
Summit	# 1	59464	
Summit	# 2	59465	
Summit	# 3	112279	
Summit	# 4	112280	
Summit	# 7	112283	
Summit	# 8	112284	
H.B.	# 4	126754	
H.B.	# 6	126756	
H.B.	# 21	126287	
H.B.	# 22	126288	
H.B.	# 23	126289	
H.B.	#1FRA	126290	
H.B.	#2FRA	126291	
H.B.	#3FRA	126292	
H.B.	#4FRA	126293	
May	(9 Units)	2792	May 16, 1980
June	# 1 (12 Units)	2833	June 23, 1980
June	# 2 (20 Units)	2834	June 23, 1980
June	# 3 (20 Units)	2835	June 23, 1980

SMITHERS TRANSPORT LTD.

LOCAL AND LONG DISTANCE MOVING

It is mutually agreed, as to each carrier of all or any of said goods over all or any portion of the said route to destination, and as to each party at any time interested in all or any of said goods that every service to be performed hereunder shall be subject to all the terms and conditions (which are hereby incorporated by reference and have the same force and effect as if the same were severally fully and specifically set forth herein) approved by the Board of Transport Commissioners for Canada by General Order No. T 9, dated February 1, 1965 set forth in the Canadian Freight Classification and also available at all Railway agency stations and freight offices upon request, when said goods are carried by a rail carrier, or

2 of the bill of lading of the water carrier as provided in its tariff of Rules and Regulations when said goods are carried by a water carrier, or

3 of the bill of lading set forth in or prescribed by the relevant tariffs, classifications, statutes and regulations pertaining to motor carrier's service when said goods are carried throughout by a motor carrier, or

4 of the bill of lading form R T 200, approved by the Quebec Transportation Board on August 5, 1960 when the said goods originating in Quebec are to be carried by a motor carrier, or

5 of the Merchandise Receipt approved by the Board of Transport Commissioners for Canada by Order No. 12953 dated February 10, 1911, as amended, and set forth in Express Classification for Canada in effect on the date hereof, when said goods are carried by an express carrier subject to the jurisdiction of the said Board and which are agreed to by the shipper and accepted for himself and his assigns.

Received subject to the classifications and tariffs in effect on the date of issue of this Original Bill of Lading - Rail Express Merchandise Receipt

SHIPPER'S No

CARRIER'S No.

At _____
(Point of Origin)

April 30 19 81
(Date)

From _____ (Shipper)
the goods described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned and destined as indicated below, which said Carrier agrees to carry to its usual place of delivery at said destination if served by it, otherwise to deliver to another carrier on the route to said destination.

Consigned to Smithers Logging
Destination Smithers Province or State B.C.

Route _____

NO. PIECES	DESCRIPTION OF ARTICLES AND SPECIAL MARKS	GROSS WEIGHT SUBJECT TO CORRECTION	RATE	FREIGHT CHARGES	MARK PREPAY OR COLLECT WITH X	PREPAY	COLLECT
	<u>Misc. Drift from Smithers to Burbridge Lake Self-Insulation</u>				X		
					STORAGE CHARGE		
					ADVANCE CHARGE		
					COD SERVICE CHARGE		
					COD		
					FREIGHT		
					TOTAL		<u>90.00</u>

TOTAL FREIGHT CHARGES _____ Received Payment _____

NOTE - Articles will not be accepted for shipment unless properly packaged and addressed

FEEDSET O SEE MOORE PRINTING & STATIONERY

Shipper _____

Per Y. J. Harvey SMITHERS TRANSPORT LTD.

SEE-MOORE PRINTING, SMITHERS, B.C. 8044

ORIGINAL - NOT NEGOTIABLE (THIS DOCUMENT WHEN ISSUED AS A RAIL BILL OF LADING IS TO BE SIGNED BY THE SHIPPER AND AGENT OF THE CARRIER ISSUING SAME)

BURBRIDGE LAKE JOB

SMITHERS TRANSPORT LTD.
LOCAL AND LONG DISTANCE MOVING

SMITHERS, B.C.
VOJ 2N0

It is mutually agreed as to each carrier of all or any of said goods over all or any portion of the said route to destination and as to each party at any time interested in all or any of said goods, that every service to be performed hereunder shall be subject to all the terms and conditions (which are hereby incorporated by reference and have the same force and effect as if the same were severally fully and specifically set forth herein):
 1 approved by the Board of Transport Commissioners for Canada by General Order No. 1-5 dated February 1, 1965 set forth in the Canadian Freight Classification and also available at all Railway agency stations and freight offices upon request, when said goods are carried by a rail carrier, or
 2 of the bill of lading of the water carrier as provided in the tariff of Rules and Regulations when said goods are carried by a water carrier, or
 3 of the bill of lading set forth in or prescribed by the relevant tariffs, classifications statutes and regulations pertaining to motor carrier's service when said goods are carried throughout by a motor carrier, or
 4 of the bill of lading form R T 200 approved by the Quebec Transportation Board on August 5, 1960, when the said goods originating in Quebec are to be carried by a motor carrier, or
 5 of the Merchandise Receipt approved by the Board of Transport Commissioners for Canada by Order No. 12953 dated February 10 1911, as amended and set forth in Express Classification for Canada in effect on the date hereof when said goods are carried by an express carrier subject to the jurisdiction of the said Board
 and which are agreed to by the shipper and accepted for himself and his assigns

Received subject to the classifications and tariffs in effect on the date of issue of this Original Bill of Lading - Rail Express Merchandise Receipt

SHIPPER'S No.

CARRIER'S No.

At Woodmere Rd. @ _____ (Point of Origin) June 17th _____ (Date) 1961

From Hudson Park _____ (Shipper)

the goods described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned and destined as indicated below, which said Carrier agrees to carry to its usual place of delivery at said destination if served by it, otherwise to deliver to another carrier on the route to said destination.

Consigned to D. Prout _____
 Destination _____ Province or State B.C.

NO PIECES	DESCRIPTION OF ARTICLES AND SPECIAL MARKS	GROSS WEIGHT SUBJECT TO CORRECTION	RATE	FREIGHT CHARGES	TARIFF PREPAY OR COLLECT WITH X	PREPAY	COLLECT
	<u>Moving Drilling Unit from Woodmere Rd to Sqn</u>			<u>3 1/2 hrs</u>			
	<u>3 1/2 hrs @ 45.00</u>			<u>158.00</u>			
		<u>4.7%</u>	<u>F.S.C.</u>	<u>7.40</u>			
				<u>165.40</u>			
					TOTAL		<u>165.40</u>
					CHARGE TO ACCOUNT		
				TOTAL FREIGHT CHARGES			

NOTE - Articles will not be accepted for shipment unless properly packaged and addressed.

SPEEDISET O SEE MOORE PRINTING & STATIONERY

Shipper _____

Per (Signature)

Received Payment

SMITHERS TRANSPORT LTD.

For _____

SEE-MOORE PRINTING, SMITHERS, B.C.

8484

1
ORIGINAL - NOT NEGOTIABLE

(THIS DOCUMENT WHEN ISSUED AS A RAIL BILL OF LADING IS TO BE SIGNED BY THE SHIPPER AND AGENT OF THE CARRIER ISSUING SAME)

BURBRIDGE LAKE JOB

32nd St. N.W. Washington, D.C.
R.R. #1, TERRIVA, D.C.
PH. 612 8492

GENERAL CONTRACTOR
& CONTRACTING

OUR NUMBER	062951
DATE	June 6/81
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
FOB	

SOLD TO J. Hood Logging Ltd
Box 520
 SHIPPED TO Smithers B.C.
 ADDRESS _____ VIA _____

INVOICE

	3 1/2 hrs cat work				
	moving drill, make roads				
	drill sites etc @ \$80/hr			2760	00
	14 hrs cat work done				
	by drilling crew @ \$80/hr			1120	00
	O.K FOR PAYMENT				
	<i>J. Hood</i>			3880	00.
	(904595)				

REGIFORM - 7M91

Folio _____

Statement

Dec 1st 1981

M.D. Grant Logging

Box 520 Junction B.C.

In Acc't With

B. & A. RENTALS LTD.

BOX 2418 - PH. 847-2037

SMITHERS, B.C.

Terms _____

		D-6 cat			
		drill rig			
June	11	D-6 cat at 6.00	15 1/2 hrs =	341	00
	12	D-6 cat at 6.00	2 1/2 hrs =	155	00
		Low-heel		180	00
				<u>676</u>	<u>00</u>
		B. & A. RENTALS LTD.			
		BOX 2418 - PH. 847-2037			
		SMITHERS, B.C.			
		O.K. For Present			
		O.K. for			

906544

Box 20, Smithers B.C.

PROPERTY BURBRIDGE LAKE

HOLE NO. 81-1

Latitude _____ Elevation 1270 M Bearing Due North Depth 87.5 M Started May 11, 1981 Completed May 15, 1981

Departure _____ Section _____ Dip -70° Drilled By D. Groot Logging Ltd. Logged By D.C. Plecash

Depth Feet	Formation	Sample No.	From	To	Width	Assays				
0-3.7M	Overburden									
3.7M	Dark Grey Banded and Brecciated Limey									
20.4M	Argillites, Lime stops at 20 M									
20.4M	Medium Greyish green Brecciated Shisty									
22.0M	Argillites - Limey									
22.0M	Dark Greenish Black Argillites Rust Staining									
23.5M	On fractures									
23.5M	Dark Green and Black coarse Brecciated									
27.1M	Limey Argillites									
27.1M	Dark Greyish Green Andesite									
	Core to Beds = 90°									
	Small Veinlets of Calcium Carbonate - oxidized									
	2.5 CM Band of Quartz Calcite @ 35.5M Core to Beds=10°									
	35.5 M to 36.2M Alot of Quartz Calcite Veining with									
	little flakes of Zn Appearing									
	1 CM Quartz Calcite Vein @ 38.7 M Core to Bed 45°									

10182

DIAMOND DRILL RECORD

PROPERTY BURBRIDGE LAKE

HOLE NO. 81-2

Latitude _____ Elevation 1291 M Bearing N11-30E Depth 65.M Started May 16, 1981 Completed May 20, 1981

Departure _____ Section _____ Dip -70° Drilled By D. Groot Logging Ltd. Logged By D.C. Plecash

Depth Feet	Formation	Sample No.	From	To	Width	Assays			
0-0.6M	Overburden								
0.6M	Dark Greenish Black Mixed Argillites and Andesites								
2.1M	1.3 cm Quartz Calcite @ 1.7M Core to Beds 70°								
2.1M	Light Greyish Green Banded Argillites Core to Bed @ 25°								
	10 cm of Quartz Calcite @ 7.0M								
	Small Stringers of Oxide through core to 10M								
	Heavy Veining of Quartz Calcite Between 7.0M to 7.6M;								
	8.2M to 10.2M; 12.2M to 12.5M								
	Core starting to get Darker from								
14.6M	7.3M to 14.6M								
14.6M	Medium Greyish Green Banded and Brecciated								
	shisty, limey Argillites little rust staining 15.2M								
	to 15.8M. Medium Grey Banded Limey Andesite								
	with numerous flecks of FeS								
	At 18.4M core to beds 40°								
	At 18.44M core to bed 60° opposite dips								

10,182

Folding

DIAMOND DRILL RECORD

HOLE NO. 81-3

PROPERTY BURBRIDGE LAKE

Latitude _____ Elevation 1293M Bearing N11-00W Depth 115.0M Started May 21, 1981 Completed May 28, 1981

Departure _____ Section _____ Dip -65° Drilled By D. Groot Logging Ltd. Logged By D.C. Plecash

Depth Feet	Formation	Sample No.	From	To	Width	Assays			
0-									
1.2M	Overburden								
1.2M	Mixed Dark Grey to Dark Green Coarsley								
	Brecciated Argillites with Dark Greyish Green								
4.6M	Coarsley Brecciated Andesites								
4.6M	Light Greyish Green Brecciated shisty								
6.7M	Limey Argillites								
6.7M	Dark Green Andesites								
	7.6M to 10.1M Quartz intrusive shot								
	through this zone with little areas of iron pyrites								
	occurring								
	10 cm quartz @ 13.4M Core is becoming a more								
	darker green in color								
	2-2.5cm Bands of quartz @ 18.9M								
20.8M	1.3cm band of Quartz @ 19.4M								
20.8M	Light Greyish Green banded Andesites with little								
	rust stringers scattered throughout.								

10,182

DIAMOND DRILL RECORD

PROPERTY BURBRIDGE LAKE HOLE NO. 81-3
 Latitude _____ Elevation 1293M Bearing N11-00W Depth 115.0M Started _____ Completed _____
 Departure _____ Section _____ Dip -65° Drilled By _____ Logged By D.C. Plecash

Depth Feet	Formation	Sample No.	From	To	Width	Assays				
						Oz. Au	Oz. Ag	% Pb	% Zn	% Mo
	29.7M to 34.3M Grey Slightly banded very limey andesites									
	34.3M to 41.8 mixed Grey banded and brecciated very limey andesites									
	41.8 M to 51.2 M more darker and brecciated zones not so limey									
	44.5M to 45.1M Grey banded limestone									
	50.4M to 51.2M quartz calcite vein									
	core to beds @ 50.0M = 65°									
51.2M	Core to beds @ 51.2M = 45° opposite dip									
51.2M	Lighter grey foliated brecciated andesites									
	55.1M - 1.3 cm Quartz calcite vein, core to beds									
	35°. Core leached out for 0.3M beyond vein									
	57.0M to 96.6M small quartz stringers running throughout core.									
96.6M	Banded and brecciated Medium Grey Andesites	3152	96.6M	99.1M	2.5M	0.002	0.02	0.01	0.02	0.01



can test ltd.

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

D. Groot Logging Ltd.

P.O. Box 520

Smithers, B.C.

VOJ - 2N0

Certificate of Assay

File No. 1592E-6

Date June 8, 1981

Attention: Mr. Bud Plecash

We hereby Certify that the following are the results of assays made by us upon submitted drill core 81-3 samples.

Sample Identification	GOLD	SILVER	LEAD		ZINC		MOLYBDENUM			
	Ounces Per Ton	Ounces Per Ton	Percent	Pb	Percent	Zn	Percent	Mo	Percent	Percent
<i>BURBRIDGE LAKE</i> <i>D.D. Hole 81-3</i>										
96.6M - 99.1M 3152	L 0.002	0.02	0.01		0.02		L 0.01			
99.1 - 102.1 3153	0.005	0.01	L 0.01		0.02		L 0.01			
102.1 - 105.1 3154	L 0.002	0.01	L 0.01		L 0.01		L 0.01			
105.1 - 108.1 3155	L 0.002	L 0.01	L 0.01		L 0.01		L 0.01			
108.1 - 110.5 3156	L 0.002	L 0.01	L 0.01		L 0.01		L 0.01			
110.5 - 112.8 3157	L 0.002	0.04	L 0.01		0.02		L 0.01			
112.8 - 114.3 3158	L 0.002	0.01	L 0.01		0.04		L 0.01			
114.3 - 114.9 3159	0.002	0.01	L 0.01		0.01		L 0.01			

L - Less than

TOP SOUTH WEST - ANOMALOUS AREA

\$ 372.⁰⁰

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 OUR WRITTEN APPROVAL ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED

Form No 13 C

CAN TEST LTD.

Provincial Assayer

DIAMOND DRILL RECORD

PROPERTY Burbridge Lake

HOLE NO. 81-4

Latitude _____ Elevation 1163 M Bearing _____ Depth 139.3 M Started May 29, 1981 Completed June 4, 1981

Departure _____ Section _____ Dip -90° Drilled By D.Groot Logging Ltd. Logged By D.C.Plecash

Depth Feet	Formation	Sample No.	From	To	Width	Assays			
0- -3.0M	Overburden								
3.0M	Mixed Quartz Diorite with a Porphyritic Quartz								
	Diorite, Phenocrysts up to 0.65 cm in diameter.								
	Some of the Phenocrysts composed of Epidote								
	Fe.S. scattered throughout.								
	10 cm Quartz bands @ 20.7 M; 22.3 M and 23.8 M								
	Buff coloured veinlets of Quartz Calcite @ 29.6 M								
	to 30.5 M. Core to beds @ 30°								
	30.8 M to 32.9 M light grey partly altered								
32.9 M	Diorite with bands of FeS.								
32.9 M	Mixed light greyish green foliated tuffs								
37.7 M	with Diorite and Porphyry Diorite								
37.7 M	Dark siliceous andesite with some veinlets of								
	Quartz								
40.2 M to	40.3 M mixed bands light grey and green foliated								
	tuffs								

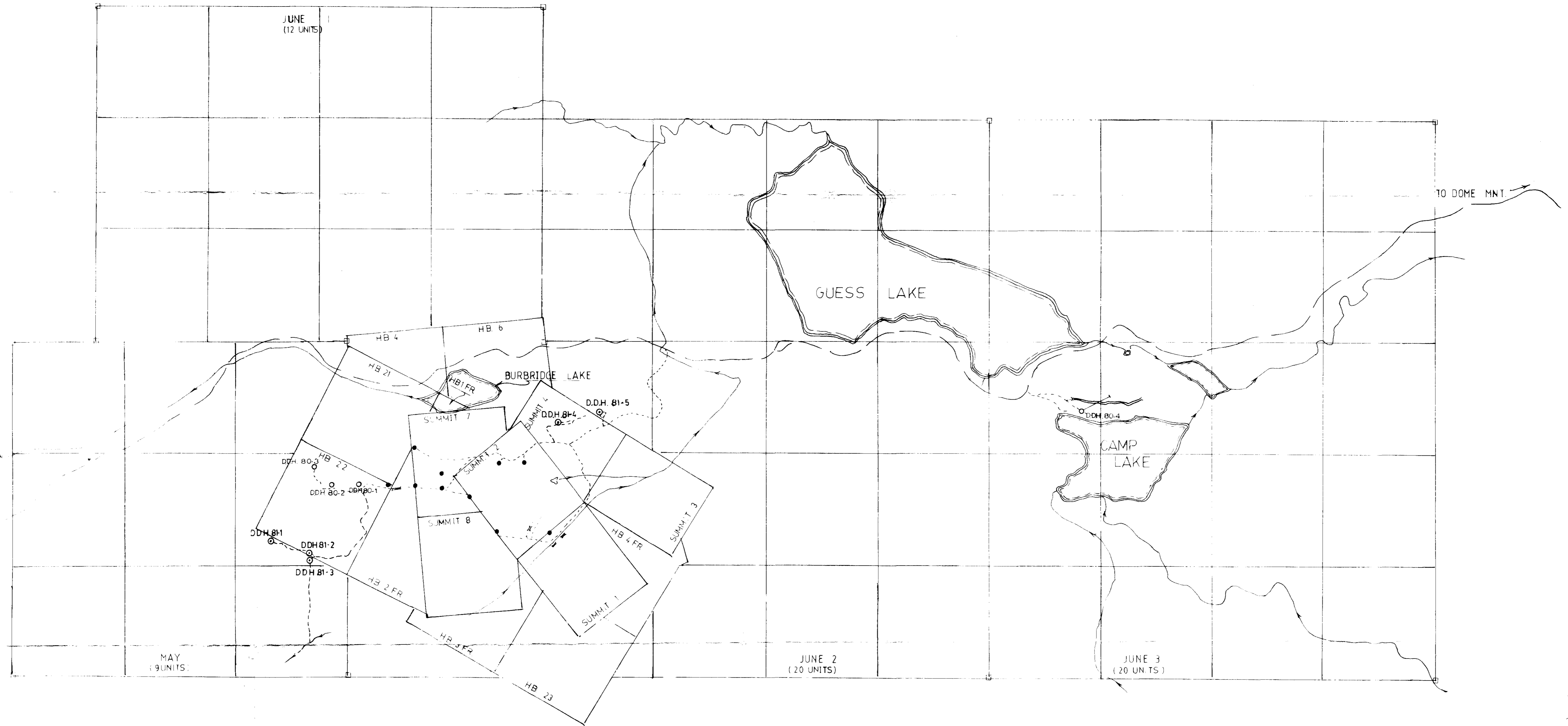
10, 182

DIAMOND DRILL RECORD

PROPERTY BURBRIDGE LAKE HOLE NO. 81-5
 Latitude _____ Elevation 1176M Bearing _____ Depth 84.4M Started June 5, 1981 Completed June 10, 1981
 Departure _____ Section _____ Dip -90° Drilled By D. Groot Logging Logged By D.C. Plecash
Ltd.

Depth Feet	Formation	Sample No.	From	To	Width	Assays			
0-4.3M	Overburden								
4.3M	Dark to Light Foliated Green Chlorite Tuffs								
5.5M	With Small amounts of Iron Pyrites Showing								
5.5M	Lighter Greenish grey tuffs with small amounts of Quartz Showing								
	Altered buff coloured with some hematite. core to								
	Beds @ 9.1M = 75°								
	Iron pyrites increased between 10.4M and 11.3M.								
	core to beds @ 13.4M = 65°								
15.7M	Core becomes Darker from 14.6M to 15.7M								
15.7M	Darker Greyish Brown brecciated Andesites								
19.6M	Most phenocrysts are buff coloured								
19.6M	Light Grey Bleached Tuffs								
21.1M	Core to Beds @ 19.7M = 35°								
21.1M	Darker Greyish Brown Brecciated tuffs								
	22.4M to 22.7M Light Grey Bleached Tuffs								

10,182



N

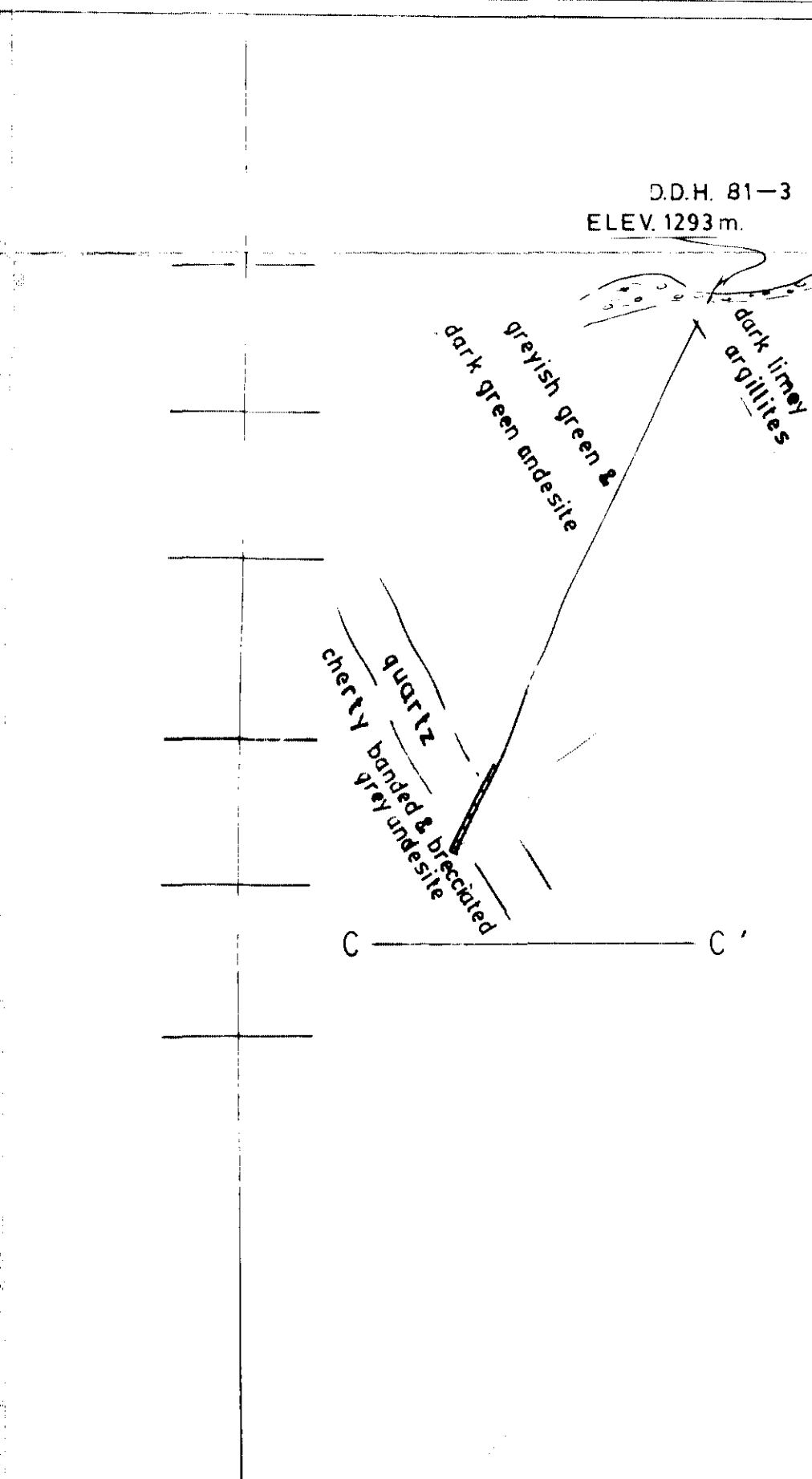
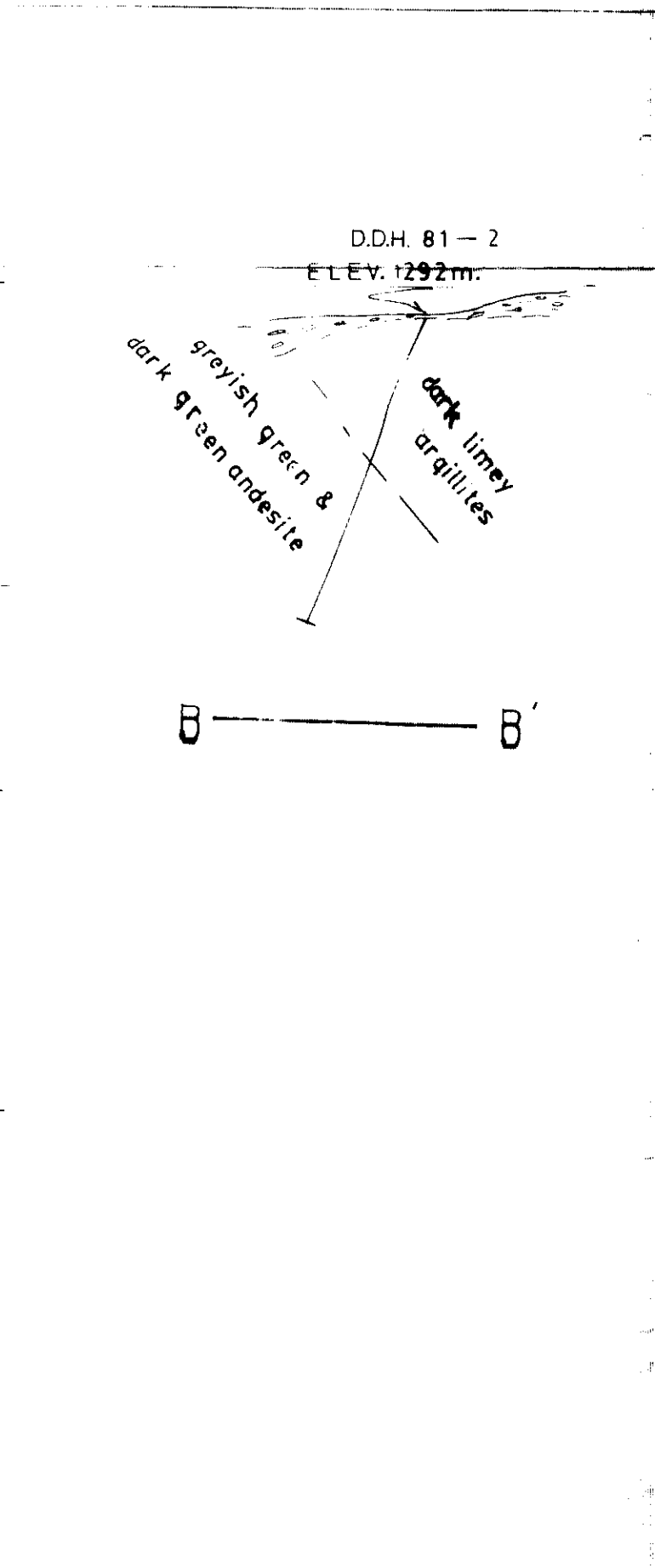
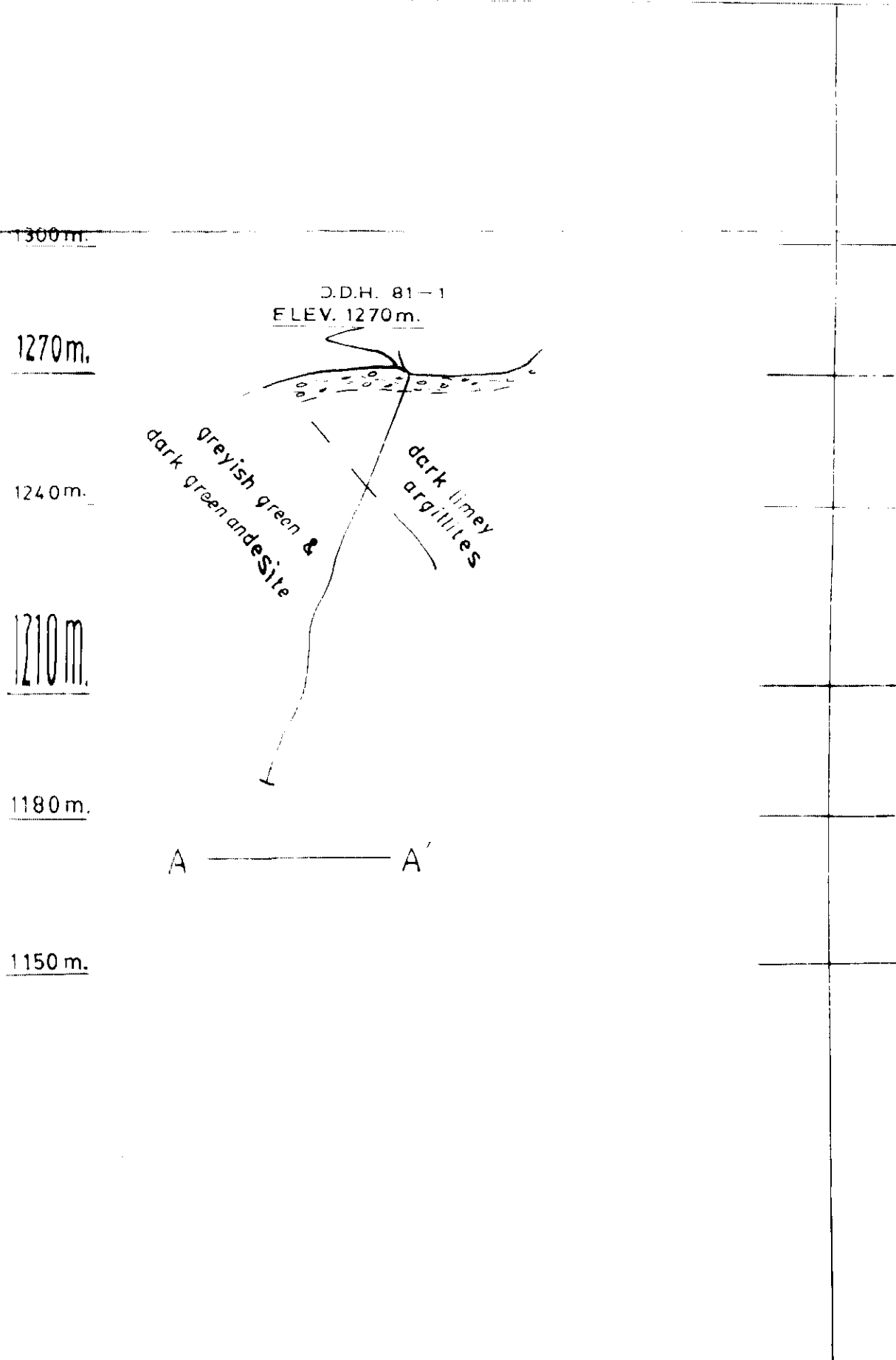
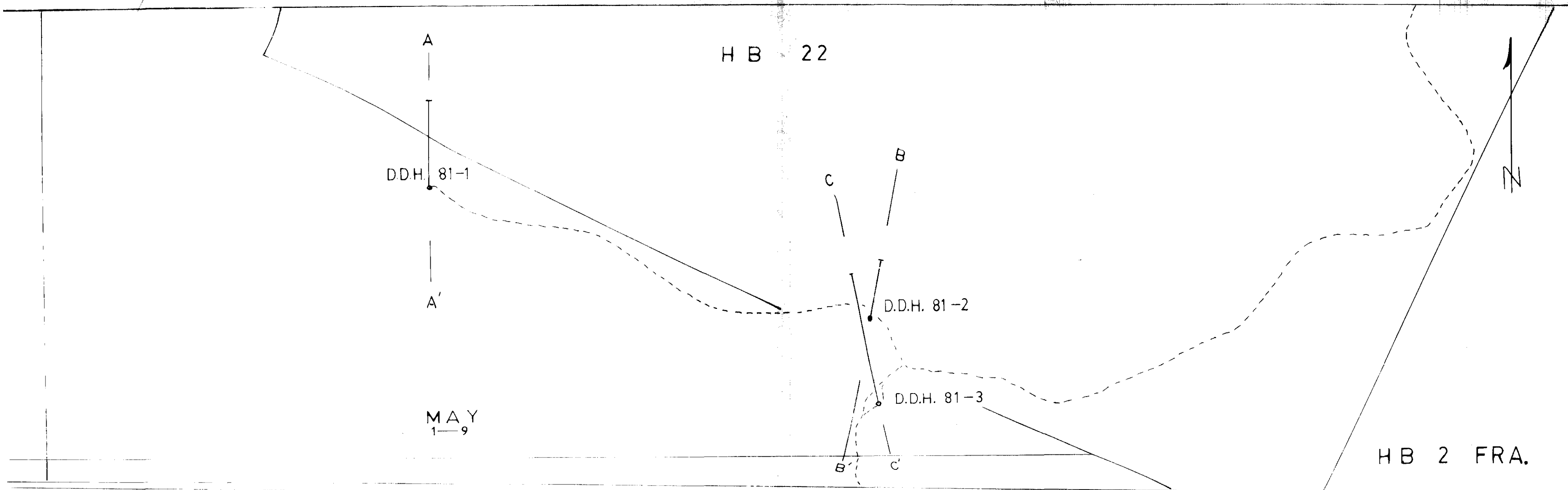
- LEGEND
- MAIN ROAD
 - - - PROPERTY ROADS
 - ~ CREEKS
 - OLD DDHOLES
 - 1980 DDHOLES
 - ⊙ TRENCHING
 - ⊙ 1981 DD.HOLES

10,182

D. GROOT LOGGING LTD.
MINERALS EXPLORATIONS
SMITHERS. BRITISH COLUMBIA.

BURBRIDGE LAKE
&
ENVIRONS
SURFACE PLAN

SCALE: 0 800' 1000' 2000'
DATE: DECEMBER 1981
REF. NO. NTS
DWN: D. C. PLEASH 23L/10



SAMPLE NO.	DIST.	OZ. AU	OZ. AG	% Pb	% Zn	% MoS ₂
3152	244 M.	0.002	0.02	0.01	0.02	0.01
3153	305 "	0.005	0.01	0.01	0.02	0.01
3154	305 "	0.002	0.01	0.01	0.01	0.01
3155	305 "	0.002	0.01	0.01	0.01	0.01
3156	229 "	0.002	0.01	0.01	0.01	0.01
3157	229 "	0.002	0.04	0.01	0.02	0.01
3158	152 "	0.002	0.01	0.01	0.04	0.01
3159	061 "	0.002	0.01	0.01	0.01	0.01

19182

D. GROOT LOGGING LTD.
 MINERALS EXPLORATION
 SMITHERS BRITISH COLUMBIA

BURBRIDGE LAKE
 1981 DIAMOND DRILLING
 PLAN & SECTION

SCALE: DATE: DECEMBER 1981 REF. NO. 1

DWN. D. C. PLEASH

SUMMIT 4

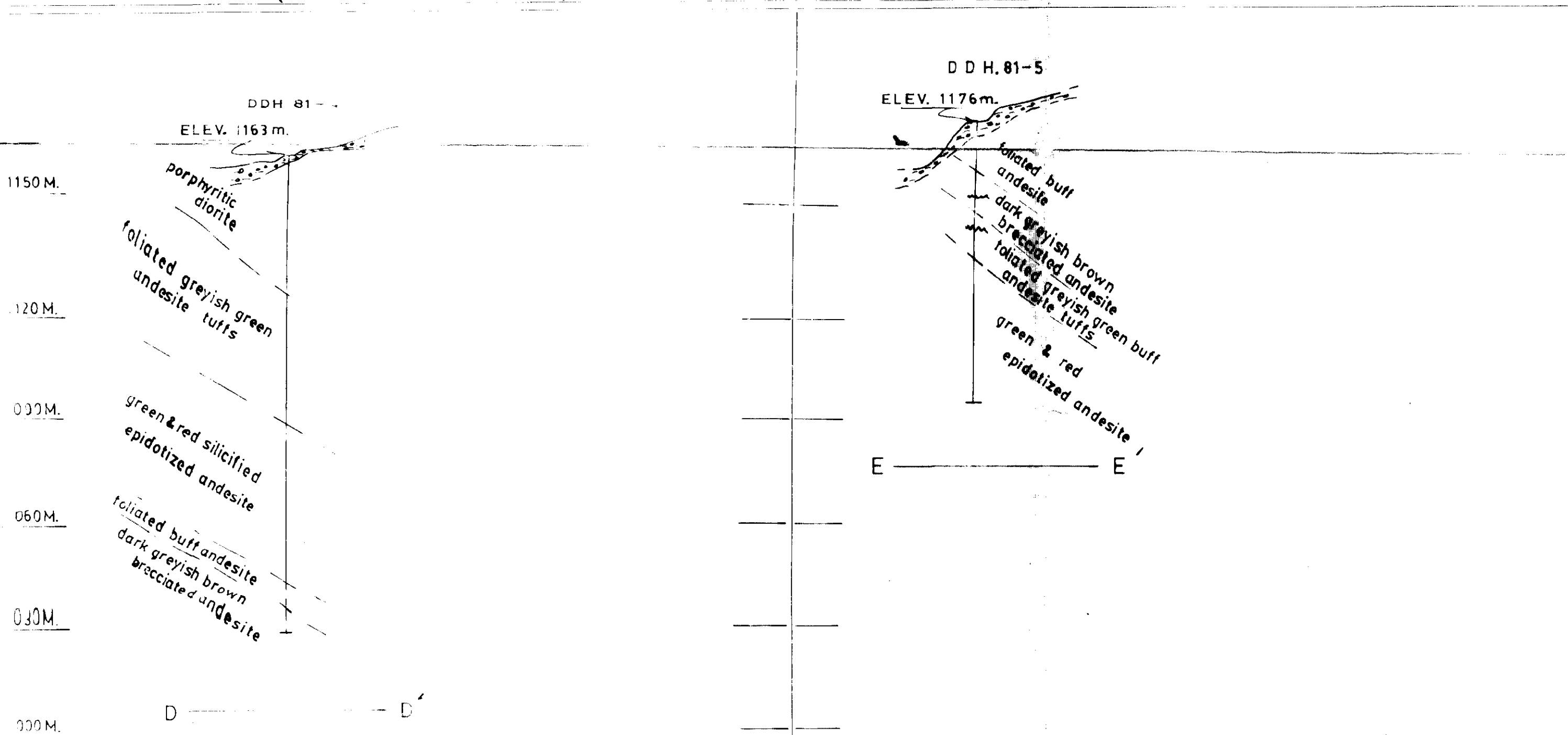
JUNE 2
1-20



SUMMIT 2

D.D.H. 81-4

D.D.H. 81-5



10/182

D. GROOT LOGGING LTD.		REF. NO.
MINERALS	EXPLORATION	2
SMITHERS	BRITISH COLUMBIA	
BURBRIDGE LAKE 1981 DIAMOND DRILLING PLAN & SECTION		
SCALE:	DATE: DECEMBER 1981	
DWN. D.C. PLECASH		