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THE SOL 1-4 AND RILEY 1, 2 MINERAL CLAIMS
SOUTHWESTERN GRAHAM ISLAND
QUEEN CHARLOTTE ISLANDS, B.C.
N.T.S. 103 F/3w
Lat. $53^{\circ}22'$ Long. $132^{\circ}25'$

REPORT ON DIAMOND DRILLING PROGRAMME

by

Colin Harivel, B.Sc.
J.S. Christie, Ph.D.

April, 1980

Owners of Record: Chevron Standard Ltd.
Operator: Chevron Standard Ltd.
Contractors: JMT Services Corp.
Western Coring & Equipment Co. Ltd.

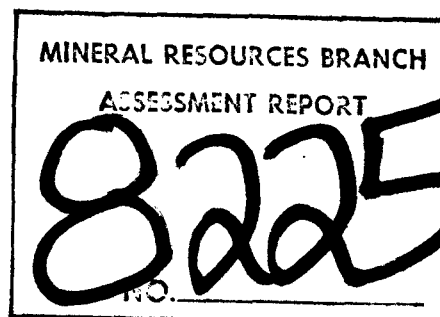


TABLE OF CONTENTS

	<u>Page</u>
LIST OF ILLUSTRATIONS	
INTRODUCTION	1
CLAIMS	3
LOCATION AND ACCESS	3
TOPOGRAPHY AND VEGETATION	5
GEOLOGY	5
DRILL EQUIPMENT AND TECHNIQUE	9
ANALYSES	10
DIAMOND DRILL HOLE SUMMARY	10
DISCUSSION OF DIAMOND DRILL HOLES	11
CONCLUSIONS	14
ITEMIZED COST STATEMENT	
CERTIFICATE OF QUALIFICATIONS	

APPENDICES

APPENDIX 1	ASSAY RESULTS
2	GEOCHEM RESULTS
3	DRILL LOGS

LIST OF ILLUSTRATIONS

	<u>Page</u>
LOCATION MAP	2
CLAIM MAP	4
DIAMOND DRILL HOLE LOCATIONS	(in pocket)
DRILL HOLE SECTIONS	
(i) C-79-1	Lithology & Alteration; Au, Ag Assay Results
(ii) C-80-1	" " ; Au, As, Hg Geochem Results
(iii) R-80-1	" " ; " " "
(iv) C-80 2 C-80-2A	" " ; " " "
(v) C-80-3	" " ; " " "

INTRODUCTION

The Sol 1-4, Riley 1-2 are located along a zone of mineralization trending WNW from the old Courte Antimony-Gold Prospect on Riley Creek for a distance of some 5 km. Reconnaissance work done by JMT Services Corp. geologists in 1977, supported by B.C. Prospectors Assistance Grants and by Chevron Standard Limited, who provided geochemical analyses, led to the property being optioned by JMT-Courte to Chevron Standard Ltd.

As a result of more detailed work which included geological mapping on a scale of 1:4800, soil sampling and stream sediment sampling, diamond drill targets were selected and in November, 1979, Chevron Standard Ltd. contracted Western Coring and Equipment Company Ltd. to drill about 2500' of BQ core.

All drill moves from the nearest road access were accomplished by helicopter based at Sandspit. Drill sites were felled out of heavy standing timber by local professional fallers.

A total of six holes were completed. One hole (C-80-2A) was a re-drill of the uppermost part of a hole from which initially core recovery was very poor. The holes were drilled from 128m to 218m in depth.

Two holes (C-79-1 and C-80-1) were drilled in the area of the Courte Antimony Showing, one near Needles Creek near where this creek crosses the Q.C. Timber Mainline (R-80-1), and the remaining holes were drilled in the Gumbo zone south of Needles Creek and situated between R-80-1 and C-80-1.

CLAIMS

The property consists of the mineral claims listed below and shown on the accompanying map:

<u>Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>	<u>Locator</u>
Sol 1	2	439	Sept. 16, 1977	J.S. Christie agent for
Sol 2	2	440	Sept. 16, 1977	V.I. Courte
Sol 3	8	441	Oct. 3, 1977	K.W. Livingstone
Sol 4	8	442	Oct. 3, 1977	"
Riley 1	4	443	Oct. 3, 1977	"
Riley 2	12	444	Oct. 3, 1977	"
Hemlock 1	1	509	Feb. 10, 1977	W.A. Howell
Hemlock 2	1	510	Feb. 10, 1977	"
Shields	1	511	Feb. 10, 1977	"

LOCATION AND ACCESS

The property is located north of the head of Rennel Sound on the southwest coast of Graham Island, Queen Charlotte Islands. It includes the lower parts of Riley Creek and Needles Creek drainages west of Old Baldy Mountain at elevations ranging from 30 to 800m.

The property is readily accessible by private logging roads connecting with Queen Charlotte City and Port Clements. These roads are open to the general public after working hours and on weekends or by special arrangement.

Clear-cut logging has already been completed in two large areas on the property and is presently being extended into the area immediately east of the Courte showings. Roads built in connection with this logging provide good access to much of the property. Additional short roads would be necessary in order to reach some exploration targets should trenching be required but most of the Riley target area lies within slash and is already quite accessible.

TOPOGRAPHY AND VEGETATION

Riley and Needles Creeks are separated by a steep, heavily forested ridge reaching elevation of 800 m at the eastern property boundary. Outcrop is relatively abundant especially in tributary creeks draining the ridge and in the main creeks. About 700 m from its mouth, Needles Creek enters the broad valley floor of lower Riley Creek. Here, sparse outcrops occur only along Riley Creek. Away from the creek, the valley floor is mantled by alluvium and till which may be relatively thin. This open valley floor and the lower northern slope of upper Riley Creek have been extensively logged. The ridges and Needles Creek Valley are covered with a fairly dense hemlock-spruce-cedar forest. Tree size is small by Queen Charlotte Island standards but the forest is open with respect to underbrush. Windfall is locally bad.

GEOLOGY

Lithology

Regional mapping by Sutherland Brown 1968, B.C. Dept. of Mines Bull. #54, indicated the Courte area to be underlain by Yakoun Formation of Jurassic age, the Needles area to be underlain by Yakoun Formation south of Needles Creek and by Masset Formation of Tertiary age north of Needles Creek, and the Riley area to be underlain by Quaternary overburden with quartz diorite of Cretaceous age projecting under the overburden into Riley Creek valley. The Masset Formation does not extend as far south as Needles Creek as indicated in Bull. #54 as no Masset rocks, with the possible exception of some dykes, were identified anywhere on the property. Limy argillites of the Kunga Formation of Upper Triassic age occur along the shore of Shields Bay and up along mountain slopes towards Riley Creek, but no Kunga outcrops have been seen in the Riley Creek drainage.

The Yakoun Formation is described (Bull. #54) as primarily a volcanic unit dominated by pyroclastic rocks but also including much volcanic sandstone, some conglomerate, shale, siltstone, and minor coal. Because of its variable nature, the Yakoun Formation was not subdivided into units during preliminary mapping. Pyroclastic andesites are the most abundant rock type noted on the claims, with some massive andesite along the lower half of Needles Creek and some conglomerates and volcanic sediments occurring throughout the mapped area.

Because this fault is believed to be a major structure, which could hardly terminate so abruptly, it is thought to be slightly offset along a cross-fault and probably projects northwest into the flat lower Riley Creek valley floor. The geochemical patterns described below appear to substantiate and may help to identify this assumed projection (see Geochemistry).

Structural information derived from drill holes includes the following:-

- 1) The strongly altered zone intersected in hole C-79-1 has a steep southerly dip. This zone has a measured WNW trend in this vicinity.
- 2) The bedding attitudes suggested through interpretation of intersections in R-80-1, assuming a generally WNW-WSW strike, are either sub-vertical to steeply northerly dipping or moderately northerly dipping.
- 3) The bedding attitudes suggested from interpretation of C-80-3, assuming the hole was drilled perpendicular to strike, are flat to moderately southerly dipping and steeply southerly dipping.

A zone of heavy sulphide mineralized clay-like gumbo with a breccia texture occurs as outcrops in creeks between R909 and R916 in the Needles area. This gumbo appears related to the faulting in a general way. Mineralization related to the faults may have interacted with specific pyroclastic units thereby producing the gumbo or alternatively may have reacted with ground prepared by brecciation associated with the faulting or a combination of both. This gumbo zone was intersected in drill holes C-80-2, 2A and C-80-3 and is derived exclusively from tuffaceous pyroclastic rocks.

Alteration and Mineralization

Carbonate-sulphide-sericite-silica alteration occurs throughout the map area in zones up to 500 m long and 150 m wide. Three altered zones along the fault system contain highly anomalous gold geochemistry. These areas, referred to as Courte, Needles and Riley are described below. Areas away from the fault system contain weak gold-arsenic-mercury-antimony geochemistry. Disseminated and vein carbonate is common in some altered zones and in many otherwise unaltered Yakoun outcrops. The abundance of carbonate in the map area may be an expression of mobilization of the limy fraction of underlying Kunga Formation. Thus the Kunga Formation, an ideal host for Carlin type gold deposits, may underlie very shallowly some of the anomalous gold areas.

The lowermost outcrops mapped in Riley Creek and on the road to the south are uniform medium to coarse grained quartz diorites. These rocks are probably an extension of the pluton mapped south of this area by Sutherland Brown.

Numerous small weakly porphyritic felsite dykes were noted within the Needles and Riley areas. Small, <2mm, phenocrysts of quartz make up less than 2% of these rocks. All of these dykes contained disseminated pyrite up to 5%. A second type of dyke occurs near the Courte showings. These are feldspar porphyries, also containing up to 5% disseminated pyrite. Feldspar phenocrysts, up to 5 mm long, make up 5 to 30% of the rock and are usually moderately altered to sericite-clays. It is probably significant that these two types of pyritized porphyritic dykes have not been observed outside areas of anomalous gold-arsenic-mercury geochemical response.

Structure

The dominant structure on the property is a WNW trending fault system that appears to have strongly controlled mineralization. Several other faults of varying strikes have also been observed within the mapped area.

The major fault system is not well exposed, but appears to be comprised of fault strands that trend from 110° to 160° with the most significant strands trending $130^{\circ} \pm 10^{\circ}$, such as the fault along the north side of the Courte mineralization, and the fault lying along lower Needles Creek above the main road. Splays off these faults and subparallel faults make up the fault system. Observed splays and subparallel faults within 30 to 60 m of these major faults contain gold-sulphide mineralization which have yielded geochemical analyses as high as 7500 ppb Au (sample C818). Fault gouge is well developed in most fault exposures. At the site of sample C818 the gouge is strongly altered and mineralized and the sulphide is about 95% oxidized. Sample C818 is from a gouge zone 5-10 m wide, and lies at the northwesterly limit of exposure of major WNW trending fault system. This mineralized fault strand projects to the southeast along lower Needles Creek and to the northwest into a barren outcrop some 30 m away.

a) Courte

The Courte showing area was mapped and sampled in 1971 by the writers for Quintana Minerals Corp., although Quintana did not choose to option the property at that time. Quintana's work indicated an area some 70 by 300 m in which the surface grade was estimated to be .04/ oz/ton Au and .40% Sb. Based on the current geochemical results this same mineralized zone appears to extend a considerable distance further northwest, although it may not be as wide as at the Courte showings. A second mineralized zone or system or a continuation of the Courte system may occur further northwest. Outcrops in the area contain weakly bleached andesites with 1-2% pyrite and a 7 m wide fault gouge (not sampled) trending $150^{\circ} \pm$.

b) Needles

The Needles area includes the area of gumbo described in the section on structure and another area to the southeast which is separated from the gumbo by a zone of pervasive chlorite-clay alteration containing very little sulphide. The gumbo displays pervasive 5-10% fine-grained disseminated plus fracture pyrite together with sericite-clays. Local areas of silicification occur in the gumbo and in volcanics around the gumbo. Arsenopyrite needles also occur locally in the gumbo. One occurrence, R910, contains about 5% arsenopyrite needles <2mm long. The gumbo zone is within a larger zone of locally weakly bleached andesites containing up to 2% disseminated pyrite that lies along the major fault system. Southeast from the gumbo, pyrite weakens by samples C832-C833 where the alteration is essentially chlorite-clay with weak patchy pyrite. Further southeast intensity of alteration again increases to pervasive pyrite with strong bleaching and local silicification (C824-C829) at the edge of the area mapped. The extent of this mineralized alteration has not been determined but could be more or less continuous to the Courte showing area some 1300 m southeast. A sample of float collected along the Riley Creek road (WL 303) south of this area assayed 2850 ppb Au.

c) Riley

The Riley area is subdivided into two areas which may possibly be related. The most westerly area along lower Riley Creek contains three only widely spaced outcrops of volcanics (C383, C388, and C390) with chlorite-weak bleaching-pyrite-carbonate alteration. The second 3 m occurs along lower Needle Creek where slopes are steeper and exposure is much better. This zone contains strongly bleached, highly altered rocks including pyroclastics and gumbo breccias similar to those at upper Needles. Strong pyrite mineralization and local hard silicification (C822) are associated. Anomalous gold values are present but most significantly this zone includes the 5-10 m mineralized fault zone (C818) that assayed 7500 ppb Au. The projections of this structure WNW and ESE have not yet been determined exactly.

DRILL EQUIPMENT AND TECHNIQUE

A Longyear 38 drill with mast together with two gasoline powered pumps were supplied by Western Coring and Equipment Ltd. Core drilled was BQ size (36.5 mm) and sludge was collected from holes drilled later in the programme. The total sludge sample from a 3.048 m (10') interval was collected in 5 gallon pails, the water was decanted and the entire sample transferred to a suitable plastic bag. The sample was then thoroughly stirred and mixed and a 0.75 kilo (approx) sample was transferred to a kraft paper sample bag. The remnant sample was stored on the property in labelled plastic sample bags.

When coring very soft sections in which recovery was initially poor, a 50-series face-discharge bit was used and in combination with short runs (no greater than 0.7 m) resulted in excellent recovery.

Core was split using a core splitter where rock permitted but much core was so soft that it had to be split by knife and scooped into bags. The great majority of samples were taken over 2 m intervals.

ANALYSES

The first hole, C-79-1, was assayed for Au, Ag by Bondar-Clegg and Company Ltd. in Vancouver.

The method used is summarized as follows:

1. Crushing to -100 mesh
2. Standard fire - assay employing 1 assay ton of sample:
3. Ag run gravimetrically and Au run gravimetrically if greater than 0.02 oz/ton; by atomic absorption otherwise.

All other holes were analysed geochemically for Au, Ag, Hg, As by Bondar-Clegg and Company Ltd. in Vancouver.

Geochemistry results were derived using the following summarized procedures:

Arsenic: Perchloric, Nitric - Colourmetric

Mercury: Controlled Aqua Regia - Closed cell atomic absorption

Gold & Silver: Fire assay and Hot Aqua Regia - Atomic absorption

DIAMOND DRILL HOLE SUMMARY

<u>Hole</u>	<u>Drilled</u>	<u>Azimuth</u>	<u>Dip</u>	<u>Depth</u>	<u>Geology & Alteration</u>
C-79-1	Nov 30-Dec 7	018 ^o	-45 ^o	138.38m	Andesitic flows & agglomerates with strongly alt'd sections 82.5 - 118.7 m
C-80-1	Feb 8-Feb 12	018 ^o	-45 ^o	120.7 m	Andesite flows & agglom. Strongly alt'd section 42-77 m
R-80-2	Feb 15-Feb 19	045 ^o	-45 ^o	159.7 m	Alt. pyroclastics to 110 m. Argillaceous units and pyroclastics to bottom
C-80-2	Feb 21 Mar 3	200 ^o	-45 ^o	218.54 m	0-31 m Alt'd pyroclastics; 31-218 Carb. alt'd in andesite
C-80-2A	Mar 3-Mar 4	200 ^o	-39 ^o	31.10 m	Gumbo zone Alt'd pyroclastics
C-80-3	Mar 7-Mar 17	200 ^o	-45 ^o	218.54 m	Gumbo zone 0-128 Alt'd pyroclastics; 120-218 Carb. alt'd andesitic flows

DISCUSSION OF DIAMOND DRILL HOLESHole C-79-1

Collared in bedrock, this hole intersected a zone of strongly bleached andesites which terminates on the up-hole side of a fault zone intersected at 134 m. The strongly altered intersection is from 82.5 m to 118.7 m and is believed to be strongly associated with the fault system. The field log refers to this bleached, mineralized (py po) section and similarly altered section as propylite. Mineralization in this hole includes py and po as disseminations, fracture fillings and coatings and blebs within quartz and calcite veins.

Results from 90-124 m are generally above background (<0.002 oz/ton Au) and range from 0.002 to 0.018 oz/ton Au. Silver assays are more erratically distributed throughout the hole with some of the highest results (0.07 oz/ton Ag) being returned from within the first zone. Background values are of the order of 0.02 oz/ton with a fair correlation of relatively higher results (which range up to 0.11 oz/ton Ag) in the zone of strongly altered rock (82-120 m).

Hole C-80-1

This hole was collared some 320 m west north west of C-79-1. Similar rocks were intersected and a less defined zone of similar alteration and mineralization was intersected from 42 - 70 m immediately above the fault zone.

Mineralization in this hole is very similar in quantity and style to that noted in C-79-1.

Significant Au geochem responses (>20ppb) were returned from an intersection at 38 to 78 m. The samples range up to 1150 ppb Au. There exists strong correlation with As and Hg results from this section with ranges of 25 to >1000 ppb and 45 to 800 ppb respectively. The anomalous Hg results were returned from 30 to 84 m. Ag results show no change throughout the hole: 0.2 ppm.

Hole R-80-1

This hole was collared southwest of a 0.2 oz/ton Au surface sample taken during early 1979. From the collar to 105 m agglomeratic flows were intersected followed by a section of pyroclastics with intercalated argillaceous units to 147 m followed by a second unit of agglomeratic flows to 160 m.

Mineralization in this hole is sparse to 110 m. From 110 m to 146 m py as disseminated blebs and massive veins is a common feature. Very fine disseminated py occurs in the porphyritic unit at the bottom of the hole.

Pyroclastics and argillites within the second division were strongly mineralized with massive disseminated and fracture controlled pyrite.

Gold values returned were low with only 102-104 m (15 ppb) 110-112 m (30 ppb), 134-140 m (15, 35, 15 ppb), 142-144 m (15 ppb) having values significantly above background (<5ppb). As values were significantly above background (2-5ppm) from 102-104 m (120 ppm), 110-116 m (17, 30, 11 ppm), 120-122 m (17 ppm) and from a section from 124-140 m (range 10-80 ppm).

Hg values begin high (130 ppb) and diminish gradually to 15 ppb at 60-62 m. An interval from 80-86 m has slightly anomalous values and from 100 m to the bottom of the hole at 159 m (range 15-125 ppb) is anomalous as well.

Hole C-80-2

Hole C-80-2 was collared in gumbo and the first 30 m included numerous runs with very poor recovery. Accordingly, at the completion of the hole the first section was redrilled at a flatter angle. The recovery in this later hole was close to 90%. The gumbo section consists of slightly altered pyroclastics with a variety of textures. These pyroclastics are followed by a section of more and less altered andesitic flows which include some strongly mineralized sections.

Geochem results for the first 32 m are anomalous in hole C-80-2 but for hole C-80-2A anomalous values for Au end at 24m with a severe drop after 12 m. The range is 10-240 ppb. Many anomalous and highly anomalous results were returned from the section 130 m to 184 m and particularly from 142 to 178 m. High samples include 2650 ppb (142-144 m), 2000 ppb (150 - 152 m), 1400 and 1560 ppb (166 - 170 m).

Towards the bottom of the hole the interval 210-216 m is anomalous for Au (105, 110, 30 ppb). Anomalous As is highly correlative with Au values with 10 samples being returned at 1000 ppm As, (the upper limit of detection).

Ag values show little variation from 0.2 oz/ton. Values higher than this were reported from sections which returned anomalous Au results. This highest value reported was 1.4 oz/ton (142-144 m).

Hg results show greater distribution of anomalous results over intervals which include significant values for Au and range up to 285 ppb Hg.

The interval 136-176 m averages 455 ppb or 0.014 oz/ton and the included intervals 136-154 m and 166-176 m average 619 ppb or 0.018 oz/ton and 690 ppb or 0.02 oz/ton respectively.

Hole C-80-3

This hole was collared in gumbo some 350 m east south east of the previous set-up. To 128 m a vari-textured section of pyritic pyroclastic was cored followed by a section of more and less altered, mineralized andesitic flows to the bottom of the hole at 218 m.

A grey, soft, high-lustre mineral, logged as stibnite, was cored at 91.14 m. It is associated with calcite and quartz within coarse pyroclastics which are locally well mineralized with disseminated pyrite.

The stibnite and arsenopyrite are epigenetic. Mineralization is very similar in both style and content to that in hole C-80-2.

Anomalous geochemical values for Au occur principally in the intervals from 54-94 m and 182-216 m, with one very high result (72-74 m) being 3300 ppb. The range is from <5 to 3300ppb. Anomalous As is again highly correlative with high Au; seven samples were returned as 1000 ppm As. The low As result returned was 2 ppm. Hg results show a similar distribution about high Au results as previous holes and virtually the entire length of C-80-3 is anomalous for Hg. The range is 20-590 ppb.

The interval 54-92 m averages 336 ppb, or 0.01 oz/ton and the included interval 54-74 m averages 536 ppb or 0.016 oz/ton.

Sludge Samples

Correlation between core and sludge samples is moderately good. In sludge results appear to be generally higher and anomalous intervals longer than those in core. It would appear that the holes were not completely washed of sulphide and down-hole samples were thus contaminated. Results from C-80-2A demonstrate this well.

CONCLUSIONS

The diamond drill programme resulted in significant intersections being cored in holes C-79-1, C-80-1, C-80-2, and C-80-3. For the latter three holes results were returned as ppb Au and it is recommended that all samples for which results were greater than 500 ppb Au be fire assayed for Au.

In holes C-80-2 and C-80-3 alteration is continuous to the bottom of the holes and since anomalous results near the bottom of the holes were returned it seems probable that the system has not been completely sampled.

Ground to the east of C-80-3 is deserving of further work; no sampling of significance has been done by JMT - Chevron between C-80-1 and C-80-3.

R-80-1 drilled to test a 0.4 oz/ton surface sample, may, for structural reasons, have not been a sample of this zone at depth. Detailed mapping of the area of R-80-1 as well as drilling short holes from a set-up immediately above the ore-grade surface sample would make the local structure more accurately interpretable.

Another hole, if warranted, should be drilled to a depth sufficient to test the extension of the higher grade zone.

1980 DIAMOND DRILL PROGRAM
COURTE-RILEY PROPERTY - M481

This work was carried out in 3 phases:

23 Nov. to 11 Dec. 1979
 2 Jan. to 13 Jan. 1980
 28 Jan. to 21 Mar. 1980

WESTERN CORING AND EQUIPMENT CO. LTD. - Diamond drill contract

Footage: 2910 feet at 22.00 \$64,020.00 \$64,020.00

Site labour charges:

	<u>hrs.</u>	
Mobilization	295	
On-site travel	456½	
Between hole moves, set-ups	445½	
Standby, other	217	
	1414	@\$20.00 = \$28,280.00

Other charges:

Mobilization:	Trucks	\$2,892.30		
	Gas & Oil	212.34		
	Hotels	136.75		
	Meals	233.92		
	Taxis, ferries			
	buses	110.80		
	Airfares	1,672.65		
		5,258.76	+ 10%	5,784.64

On site:	Truck rental	693.49		
	Casing, rods, etc.	2,994.90		
	Mud & cement	266.96		
	Core boxes	780.42		
	Freight	19.30		
	Core splitter	280.00		
		5,035.07	+ 10%	5,538.58

\$103,623.22 \$103,623.22

QUEEN CHARLOTTE HELICOPTERS LTD. - Drill Moves.

<u>Date</u>	<u>Hours</u>	<u>Cost</u>			
28 Nov.79	2:35	887.20			
10 Dec.79	1:50	589.27			
4 Jan.80	1:30	475.50			
7 Jan.80	:50	326.70			
12 Jan.80	:35	207.90			
3 Feb.80	3:9	1,622.40			
7 Feb.80	1:1	387.20			
14 Feb.80	4:45	1,941.00			
21 Feb.80	2:6	915.20			
7 Mar.80	2:4	871.20			
17 Mar.80	1:1	388.30			
18 Mar.80	<u>2:2</u>	<u>893.40</u>			
	25:28	9,505.27	9,505.27	9,505.27	

JMT SERVICES LTD. - Support Personnel

<u>Name</u>	<u>Position</u>	<u>Dates</u>	<u>Days</u>	<u>Rate</u>	<u>Amount</u>		
C. Harivel	Geologist	28-30 Nov.79 1-15 Dec.79 4,5,8-10,14, 31 Jan.80 1-29 Feb.80 1-24 Mar.80 9,10,13-15, 17 Apr.80	18 66	150. 175.	\$ 2,700. 11,550.		
G. Richards	"	7,8,14,16,23 25-30 Nov.79 1,4,5,6 Dec.79	14	150.	2,100.		
J. Christie	"	4 Dec. 79	½	150.	75.		
S. Courte	Assistant	4-12 Feb.80	9	94.	846.		
M. Dunn	"	13-29 Feb.80 1-24 Mar.80	41	82.	3,362.		
T. Oliver	"	26-30 Nov. 1-7 Dec.	12	80.	960.		
D. Francis	"	5-15 Dec.79	11	70.	770.		
J. Handford	"	5-12 Dec.79	<u>8</u>	70.	<u>560.</u>		
			173½		22,923.	22,923.00	

JMT SERVICES LTD. - Support Costs

Mobilization:	Airfares	1,675.34	
	Taxis, ferries	<u>154.50</u>	
		1,829.84	1,829.84

Site Costs:	Truck rentals	3,661.14	
	Gas, oil and maintenance	433.27	
	Room and board (including drill crew)	10,276.46	
	Telephone	472.76	
	Freight	147.47	
	Site clearing (Bonanza Creek Contracting Ltd)	385.00	
	Chain saw rental	262.46	
	Hardware & field supplies	<u>458.09</u>	
		16,096.65	16,096.65

BONDAR-CLEGG AND CO. LTD. - Laboratory costs

	66 assays for Au,As,Hg	617.10	
	327 analyses for Au,As,Hg	<u>5,054.98</u>	
		5,672.08	<u>5,672.08</u>

	TOTAL DRILL PROGRAM COST		<u>\$159,650.06</u>
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David Arscott

DAVID ARSCOTT, P.Eng.

CERTIFICATE OF QUALIFICATIONS

I, James S. Christie of Vancouver, British Columbia do hereby certify that,

1. I am a Professional Geologist residing at 3921 W. 31st Ave.,
Vancouver, B.C. V6S 1Y4.
2. I am a graduate of the University of British Columbia B.Sc. Honours
Geology - 1965, Ph.D. Geology - 1973.
3. I have practiced my profession as a mining exploration geologist,
continuously since 1965.
4. I am a Fellow of the Geological Association of Canada.
5. I am a Member of the Geological Society of America.
6. This report is based on my personal knowledge of the district,
and mapping of the geology at the property.

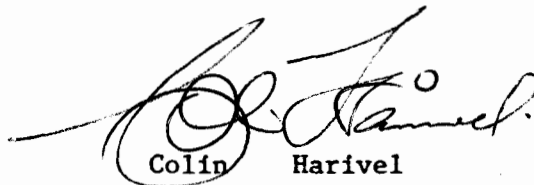
A handwritten signature in cursive script, appearing to read 'J.S. Christie', written in black ink.

James S. Christie, Ph.D.

STATEMENT OF QUALIFICATIONS

I, C. Harivel of Telkwa, British Columbia, do hereby certify that:

1. I am a geologist residing at Hislop Road, Telkwa, B.C., VOJ 2X0.
2. I am a graduate of the University of British Columbia; B.Sc. Honours Geology - 1972.
3. I have practiced my profession as a mining exploration geologist continuously since 1972.



Colin Harivel

Signed: 

J.S. Christie

Date: July 9, 1980

Signed: 
Colin Harivel

Date: May 23, 1980

To: Services Corp.

PAGE No. 1

8877 Hudson Street
Vancouver, B. C.
V6P 4M9

BONDAR-CLEGG & COMPANY LTD.

CERTIFICATE OF ASSAY

REPORT NO. A2C 1643

DATE: January 11, 1980

Samples Submitted: December 17, 1979
Results Completed: January 11, 1980

I hereby certify that the following are the results of assays made by us upon the herein described core samples.

MARKED	GOLD		SILVER		Percent	Percent	Percent	Percent	Percent	Percent	Percent
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton							
<i>C 79-1</i>											
13703	4-6 m	<0.002	0.07								
13704	6	<0.002	<0.02								
13705	8	<0.002	0.07								
13706	10-12	<0.002	0.03								
13707	12-14	0.002	0.03								
13708	14	<0.002	0.02								
<i>13709-5</i> 13710	16-18 18-20	0.002	0.02								
13711	20-22	0.002	0.02								
13712	22-24	<0.002	0.02								
13713	24	<0.002	0.07								
13714	26	<0.002	0.04								
13715	28-30	<0.002	0.03								
<i>13715-2</i> 13716	30 32	<0.002	0.02								
13717	34	<0.002	0.05								
13718	36	<0.002	0.03								
13719	38-40	0.002	0.02								
13720	40	0.003	0.06								
13721	42	<0.002	0.10								
13722	44	<0.002	0.02								
13723	46-48	<0.002	0.02								
13724	48-50	<0.002	0.02								
13725	50	<0.002	<0.02								
13726	52	<0.002	<0.02								
13727	54	<0.002	0.02								
13728	56-58	<0.002	0.02								

NOTE:
Rejects retained three weeks
Pulps retained three months
unless otherwise arranged.

[Signature]
Registered Assayer, Province of British Columbia

CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described core samples.

MARKED	GOLD		SILVER		Percent	Percent	Percent	Percent	Percent	Percent	Percent
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton							
13729 58-60m	<0.002		0.02								
13730 60-62	<0.002		<0.02								
13731 62	<0.002		0.02								
13732 64	<0.002		<0.02								
13733 66	<0.002		0.02								
13734 68	<0.002		<0.02								
13735 70	<0.002		<0.02								
13736 72	<0.002		<0.02								
13737 74	<0.002		0.02								
13738 76	<0.002		0.02								
13739 78	<0.002		0.03								
13740 80	<0.002		0.02								
13741 82-84	0.003		0.02								
13742 84	<0.002		0.03								
13743 86	<0.002		0.05								
13744 88-90m	0.002		0.06								
13745 90	0.006		0.02								
13746 92	0.007		0.04								
13747 94	0.002		0.02								
13748 96	0.004		0.02								
13749 98	0.002		0.06								
13750 100	0.016		0.04								
18501 102	0.015		0.06								
18502 104	0.002		0.04								
18503 106-108	<0.002		0.11								

checked
 2/11/80

NOTE:
 Rejects retained three weeks
 Pulps retained three months
 unless otherwise arranged.


 Registered Assayer, Province of British Columbia

To: Services Corp.

PAGE No. 3

BONDAR-CLEGG & COMPANY LTD.

REPORT NO. 29 - 1643

DATE: January 11, 1980

CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described core samples.

MARKED	GOLD		SILVER		Percent	Percent	Percent	Percent	Percent	Percent
	Ounces per Ton	Grams per Metric Ton	Ounces per Ton	Grams per Metric Ton						
18504 108-110	0.002		0.02							
18505 110	0.002		0.05							
18506 112	0.003		0.04							
18507 114-116	0.018		0.07							
18508 116-118	0.003		0.02							
18509 118	0.008		0.02							
18510 120	0.002		0.04							
18511 122-124	0.003		0.02							
18512 124-126	0.002		0.02							
18513 126	0.002		0.03							
18514 128	0.002		0.02							
18515 130	0.002		0.02							
18516 132-134	0.002		0.02							
18517 134-136	0.002		0.02							
18520 30-32	0.002		0.03							

Blocked about 2008

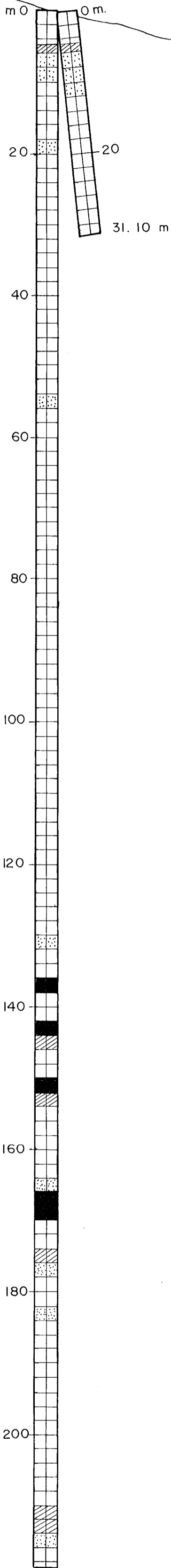
0.002

NOTE:
 Rejects retained three weeks
 Pulps retained three months
 unless otherwise arranged.

[Signature]
 Registered Assayer, Province of British Columbia





C-80-2
Azim. 200°
Dip. - 45°

C-80-2 A
Azim. 200°
Dip. - 39°



218.54 m

L E G E N D

-  <30 ppb Au.
-  30 - 100 ppb Au.
-  101 - 500 ppb Au.
-  >500 ppb Au.

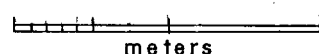
MINERAL RESOURCES BRANCH
ACCESSIBILITY REPORT
8225
NO.

JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8W

DRILL SECTION

C-80-2 , C-80-2 A
Au GEOCHEMISTRY

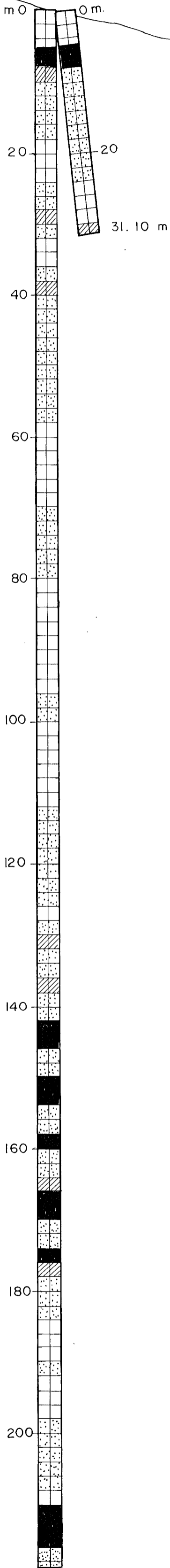
Scale 1 500







meters

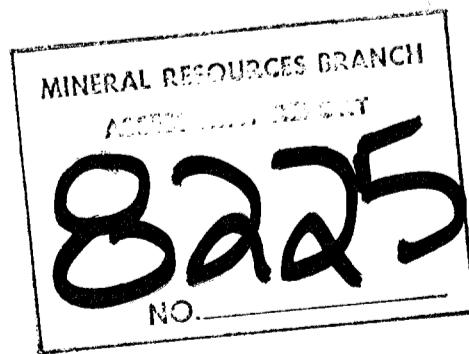
C-80-2
Azim. 200°
Dip. - 45°

C-80-2 A
Azim. 200°
Dip. - 39°



LEGEND

-  < 20 ppm. As.
-  21 - 100 ppm. As.
-  101 - 500 ppm. As.
-  > 500 ppm. As.



JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8W

DRILL SECTION

C-80-2, C-80-2A
As GEOCHEMISTRY

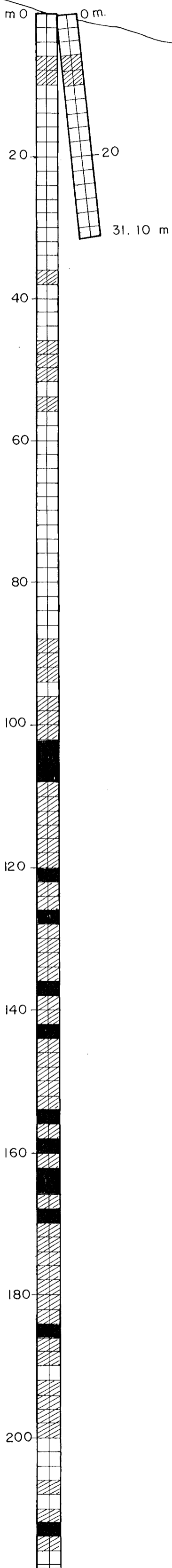
Scale 1:500






meters

C-80-2
Azim. 200°
Dip. - 45°

C-80-2A
Azim. 200°
Dip. -39°



L E G E N D

-  <50 ppb. Hg.
-  51-150 ppb. Hg.
-  >150 ppb. Hg.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8205
NO. _____

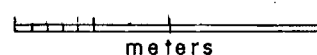
JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8W

DRILL SECTION

C-80-2, C-80-2A

Hg. GEOCHEMISTRY

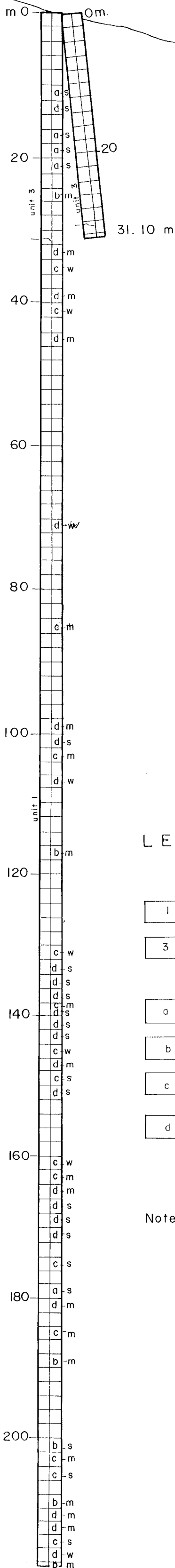
Scale 1:500



218.54 m

C-80-2
Azim. 200°
Dip. - 45°

C-80-2 A
Azim. 200°
Dip. - 39°



LEGEND

Lithology

1

Green, more and less altered andesitic agglomerates and agglomeratic flows

3

Alteration

a

Clay

b

Carbonate

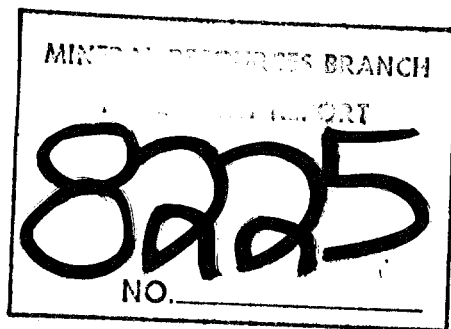
c

Bleaching

d

Saussuritization

Note: a-w,m,s signifies weak, moderate and strong clay alteration.

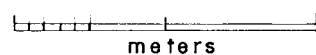


JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/ 8 W

DRILL SECTION

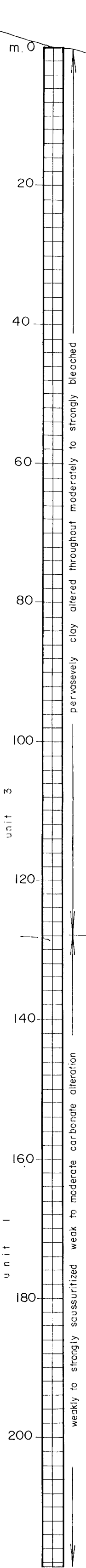
C-80-2, C-80-2A
LITHOLOGY & ALTERATION

Scale 1:500



Lithology
Alteration

C-80-3
 Azim. 200°
 Dip. -45°



218.54 m

pervasevely clay altered throughout moderately to strongly bleached
 weak to strongly saussuritized
 weak to moderate carbonate alteration

LEGEND

Lithology

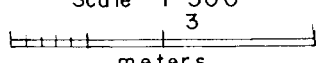
- 1 Green, more and less altered andesitic agglomerates and agglomeratic flows
- 3 Tuffaceous agglomerate

Alteration

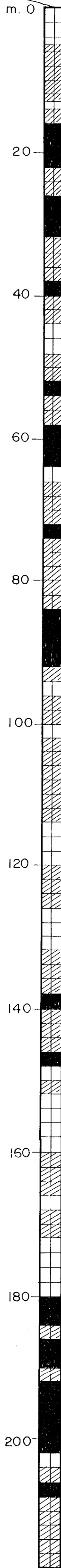
- a Clay
- b Carbonate
- c Bleaching
- d Saussurization

Note: a-w, m, s signifies weak, moderate and strong clay alteration.

MINERAL RESOURCES BRANCH
 FIELD REPORT
8225
 NO. _____




JMT SERVICES CORP.
COURTE-RILEY PROJECT
 Queen Charlotte Islands B.C., 103 F/8 W
DRILL SECTION
 C-80-3
LITHOLOGY & ALTERATION
 Scale 1 500
 3

 meters

C-80-3
Azim. 200°
Dip. -45°

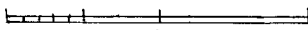


218.54 m

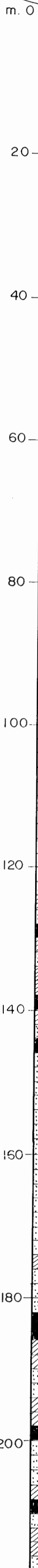
L E G E N D

-  < 50 ppb Hg
-  50 - 150 ppb Hg
-  > 150 ppb Hg


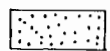


MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
80275

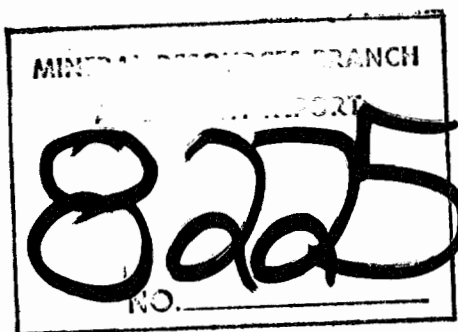
JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8 W
DRILL SECTION
C-80-3
Hg. GEOCHEMISTRY
Scale 1:500

meters

C-80-3
Azim. 200°
Dip. -45°



LEGEND

-  < 20 ppm As.
-  20 - 100 ppm As.
-  100 - 500 ppm As.
-  > 500 ppm As.



218.54 m

JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8 W
DRILL SECTION
C-80-3
As. GEOCHEMISTRY
Scale 1:500



C-80-3
 Azim. 200°
 Dip. -45°

m. 0

20

40

60

80

100

120

140





160

180

200

218.54 m

LEGEND

-  < 30 ppb. Au.
-  30 - 101 ppb. Au.
-  101 - 500 ppb. Au.
-  > 500 ppb. Au.

MINERAL RESOURCES BRANCH
 REPORT NO. **8225**

JMT SERVICES CORP.
 COURTE-RILEY PROJECT
 Queen Charlotte Islands B.C., 103 F/8 W
 DRILL SECTION
 C-80-3
 Au. GEOCHEMISTRY
 Scale 1:500





BONDAR-CLEGG & COMPANY LTD.

130 PEMBERTON AVE., NORTH VANCOUVER, B.C.

PHONE: 985-0681

TELEX: 04-352667

As; Perchloric Nitric

Ag; Hot Aqua Regia

Hg; Controlled Aqua Regia

Au; Fire Assay & Hot Aqua Regia

Hg; Closed Cell Atomic Absorption

Method Au, Ag; Atomic Absorption

As; Colorimetric

Geochemical Lab Report

Report No. 20 - 263

JMT Services Corp.

R-80-1

Fraction Used

Date

March 11

1980

SAMPLE NO.	As ppm	Ag ppm	Au ppb	Hg ppb	SAMPLE NO.	As ppm	Ag ppm	Au ppb	Hg ppb
12-14 _m 18583	2	0.3	5	130	12-14 _m 18613	3	0.2	< 5	15
16 18584	2	0.3	10	70	16 18614	2	0.2	< 5	10
18 18585	2	0.2	< 5	95	18 18615	2	0.2	< 5	5
20 18586	3	0.2	< 5	65	20 18616	2	0.2	< 5	< 5
22 18587	2	0.2	< 5	50	22 18617	2	0.2	< 5	30
24 18588	5	0.3	< 5	85	24 18618	2	0.2	< 5	50
26 18589	7	0.3	5	90	26 18619	2	0.2	< 5	55
28 18590	< 2	0.2	< 5	45	28 18620	2	0.2	< 5	10
30 18591	2	0.2	< 5	40	30 18621	< 2	0.2	< 5	20
32 18592	5	0.2	< 5	45	32 18622	< 2	0.2	< 5	10
34 18593	5	0.2	< 5	40	34 18623	2	0.2	< 5	10
36 18594	2	0.2	< 5	30	36 18624	< 2	0.2	< 5	5
38 18595	5	0.2	< 5	40	38 18625	2	0.2	< 5	15
40 18596	5	0.2	5	25	40 18626	2	0.2	< 5	20
42 18597	5	0.2	< 5	25	42 18627	< 2	0.2	< 5	35
44 18598	5	0.2	< 5	50	44 18628	102	0.2	15	20
46 18599	5	0.2	5	40	46 18647	2	0.2	< 5	15
48 18600	5	0.3	< 5	50	48 18648	90	0.2	15	45
50 18601	2	0.2	< 5	30	50 18649	21	0.2	< 5	40
52 18602	2	0.2	5	20	52 18650	10	0.2	< 5	60
54 18603	5	0.2	< 5	35	54 18651	13	0.2	< 5	65
56 18604	5	0.2	< 5	65	56 18652	12	0.2	< 5	60
58 18605	5	0.2	< 5	25	58 18653	15	0.2	< 5	90
60 18606	< 2	0.2	< 5	20	60 18654	6	0.2	< 5	75
62 18607	5	0.2	< 5	15	62 18655	13	0.2	< 5	120
64 18608	2	0.2	< 5	15	64 18656	90	0.2	5	150
66 18609	2	0.2	< 5	10					
68 18610	2	0.2	< 5	< 5					
70 18611	2	0.2	< 5	10					
72 18612	2	0.2	< 5	10					

cc Chevron Standard Ltd.

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 20 - 359

Page No. 3

SAMPLE NO.	Ag ppm	Au ppb	As ppm	Hg ppb	SAMPLE NO.	Ag ppm	Au ppb	As ppm	Hg ppb
48 18856	0.2				118 18891	0.2			
50 18857	0.2				120 18892	0.3			
52 18858	0.2				122 18893	0.2			
54 18859	0.2				124 18894	0.2			
56 18860	0.2				126 18895	0.2			
58 18861	0.2				128 18896	0.2			
60 18862	0.6				130 18897	0.2			
62 18863	0.3				132 18898	0.2			
64 18864	0.2				134 18899	0.2			
66 18865	0.2				136 18900	0.2			
68 18866	0.4				138 18901	0.2			
70 18867	0.2				140 18902	0.2			
72 18868	0.2				142 18903	0.4			
74 18869	0.6				144 18904	0.2			
76 18870	0.2				146 18905	0.2			
78 18871	0.2				148 18906	0.2			
80 18872	0.2				150 18907	0.2			
82 18873	0.2				152 18908	0.2			
84 18874	0.2				154 18909	0.2			
86 18875	0.2				156 18910	0.2			
88 18876	0.2				158 18911	0.2			
90 18877	0.2				160 18912	0.2			
92 18878	0.2				162 18913	0.2			
94 18879	0.2				164 18914	0.2			
96 18880	0.2				166 18915	0.2			
98 18881	0.2				168 18916	0.2			
100 18882	0.2				170 18917	0.2			
102 18883	0.2				172 18918	0.2			
104 18884	0.2				174 18919	0.2			
106 18885	0.2				176 18920	0.3			
108 18886	0.2				178 18921	0.3			
110 18887	0.3				180 18922	0.2			
112 18888	0.2				182 18923	0.2			
114 18889	0.2				184 18924	0.3			
116 18890	0.2				186 18925	0.2			



BONDAR-CLEGG & COMPANY LTD.

130 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-352667

As; Perchloric Nitric
Ag; Hot Aqua Regia
Hg; Controlled Aqua Regia

Geochemical Lab Report

*C-80-2A
Sludge*

Extraction Au; Fire Assay & Hot Aqua Regia
Hg; Closed Cell Atomic Absorption
Method Ag, Au; Atomic Absorption
As; Colorimetric
Fraction Used _____

Report No. 20 - 359

From JMT Services Corp.

Date April 9 19 80

SAMPLE NO.	Ag ppm	Au ppb	As ppm	Hg ppb	SAMPLE NO.	Ag ppm	Au ppb	As ppm	Hg ppb
6045-137 18778	0.2				18808	0.4			
65-23 18779	0.2				18809	0.2			
68-27 18780	0.2				18810	0.2			
71-32 18781	0.2				18811	0.3			
74-37 18782	0.2				18812	0.4			
77-42 18783	0.2				18813	0.2			
80-47 18784	0.2				18814	0.2			
83-51 18785	0.2				18815	0.2			
86-56 18786	0.2				18816	0.2			
87-61 18787	0.2				18817	0.2			
92-66 18788	0.2				18818	0.2			
95-71 18789	0.2				18819	0.2			
98-73 18790	0.2				18820	0.2			
101-81 18791	0.2				18821	0.2			
104-85 18792	0.2				18822	0.2			
107-91 18793	0.2				18823	0.4			
110-93 18794	0.2				18824	0.2			
114-1 18795	0.2				18825	0.2			
117-08 117-09 18796	0.2				18826	0.2			
120-1 18797	0.2				18827	0.2			
123-4 18798	0.2				18828	0.2			
126-19 18799	0.2				18829	0.2			
129-2 18800	0.2				18830	0.2			
18801	0.2				18831	0.2			
18802	0.2				18832	0.2			
18803	0.2				18833	0.2			
18804	0.3				18834	0.2			
18805	0.4				18942	0.2			
18806	0.3				18943	0.2			
18807	0.2				18944	0.2			



BONDAR-CLEGG & COMPANY LTD.

130 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-352667

As; Perchloric Nitric

Ag; Hot Aqua Regia

Hg; Controlled Aqua Regia

Geochemical Lab Report

C-80-2

Extraction Au; Fire Assay & Hot Aqua Regia

Report No. 20 - 324 PROJECT: COMRTE DRILL-

ING

Method Au, Ag; Atomic Absorption

As; Colorimetric From JMT Services Corp.

Fraction Used _____

Date March 27 19 80

SAMPLE NO.	Ag ppm	Au ppb	As ppm	Hg ppb	SAMPLE NO.	Ag ppm	Au ppb	As ppm	Hg ppb
<i>C-80-2</i> 18518 ROCKS	0.2	< 5	5	85	<i>64-6</i> 18686	0.2	< 5	3	60
<i>C-80-2</i> <i>45-6m</i> 18657	0.2	130	>1000	40	<i>66</i> 18687	0.2	< 5	5	20
<i>8m</i> 18658	0.3	95	>1000	55	<i>70</i> 18688	0.2	< 5	11	30
<i>10</i> 18659	0.2	85	120	55	<i>72</i> 18689	0.2	< 5	27	40
<i>12</i> 18660	0.2	25	45	35	<i>74</i> 18690	0.2	25	70	60
<i>14</i> 18661	0.2	25	42	40	<i>76</i> 18691	0.2	5	25	30
<i>16</i> 18662	0.2	5	23	20	<i>78</i> 18692	0.2	< 5	23	30
<i>18</i> 18663	0.2	< 5	30	10	<i>80</i> 18693	0.2	< 5	20	35
<i>20</i> 18664	0.2	50	11	35	<i>82</i> 18694	0.2	< 5	7	25
<i>24</i> 18665	0.2	15	5	15	<i>84</i> 18695	0.2	< 5	3	25
<i>26-28</i> 18666	0.2	15	47	20	<i>86</i> 18696	0.2	< 5	5	20
<i>28</i> 18667	0.2	15	90	50	<i>88</i> 18697	0.2	< 5	< 2	30
<i>30</i> 18668	0.2	20	260	25	<i>90</i> 18698	0.2	< 5	< 2	60
<i>32</i> 18669	0.2	15	25	30	<i>92</i> 18699	0.2	< 5	3	60
<i>34</i> 18670	0.2	< 5	5	10	<i>94</i> 18700	0.2	< 5	10	60
<i>36</i> 18671	0.2	< 5	3	10	<i>96</i> 18701	0.2	< 5	11	45
<i>38</i> 18672	0.2	< 5	20	105	<i>98</i> 18702	0.2	< 5	50	70
<i>40</i> 18673	0.2	5	110	30	<i>100</i> 18703	0.2	5	65	85
<i>42</i> 18674	0.2	< 5	22	45	<i>102</i> 18704	0.2	< 5	< 2	55
<i>44</i> 18675	0.2	< 5	22	40	<i>104</i> 18705	0.2	< 5	3	175
<i>46</i> 18676	0.2	< 5	32	45	<i>106</i> 18706	0.2	< 5	< 2	285
<i>48</i> 18677	0.2	< 5	35	70	<i>108</i> 18707	0.2	< 5	12	175
<i>50</i> 18678	0.2	< 5	20	135	<i>110</i> 18708	0.2	5	12	110
<i>52</i> 18679	0.2	< 5	45	60	<i>112</i> 18709	0.2	< 5	11	90
<i>54</i> 18680	0.2	< 5	65	45	<i>114</i> 18710	0.2	< 5	23	105
<i>54-56</i> 18681	0.2	45	>1000	110	<i>116</i> 18711	0.2	< 5	22	75
<i>56</i> 18682	0.2	5	28	20	<i>118</i> 18712	0.2	15	23	80
<i>60</i> 18683	0.2	5	10	15	<i>120</i> 18713	0.2	10	45	120
<i>62</i> 18684	0.2	< 5	10	20	<i>122</i> 18714	0.2	5	37	155
<i>67-68</i> 18685	0.2	< 5	2	70	<i>124</i> 18715	0.2	5	21	130

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

20 - 324

2

Report No. _____

Page No. _____

SAMPLE NO.	Ag ppm	Au ppb	As ppm	Hg ppb	SAMPLE NO.	Ag ppm	Au ppb	As ppm	Hg ppb
126 18716	0.2	< 5	21	110	136 18751	0.2	< 5	17	80
128 18717	0.2	5	12	155	138 18752	0.2	< 5	10	50
130 18718	0.2	5	23	90	140 18753	0.4	< 5	40	120
132 18719	0.2	40	180	100	142 18754	0.2	< 5	27	30
134 18720	0.2	10	50	75	144 18755	0.2	< 5	22	30
136 18721	0.2	20	33	85	146 18756	0.2	< 5	20	25
138 18722	0.2	310	470	175	148 18757	0.2	< 5	23	50
140 18723	0.2	10	60	90	150 18758	0.2	< 5	17	25
142 18724	0.2	35	90	40	152 18759	0.2	105	520	60
144 18725	1.4	2650	>1000	190	154 18760	0.7	110	>1000	325
146 18726	0.2	250	550	80	156 18761	0.2	30	>1000	90
148 18727	0.2	10	65	80	158 18762	0.2	< 5	90	25
150 18728	0.2	5	31	80	160 18763	0.2	< 5	30	35
152 18729	0.6	2000	>1000	125	162 18764	0.5	240	>1000	35
154 18730	0.2	300	550	80	164 18765	0.2	90	>1000	50
156 18731	0.2	10	90	185	166 18766	0.2	55	70	50
158 18732	0.3	10	65	130	168 18767	0.2	30	55	35
160 18733	0.2	10	>1000	160	170 18768	0.2	15	40	30
162 18734	0.2	5	40	105	172 18769	0.2	10	45	20
164 18735	0.3	5	70	200	174 18770	0.2	10	47	25
166 18736	0.2	45	240	250	176 18771	0.2	10	22	45
168 18737	0.8	1400	>1000	140	178 18772	0.2	10	22	25
170 18738	0.7	1560	>1000	200	180 18773	0.2	10	22	35
172 18739	0.2	20	70	80	182 18774	0.2	5	5	35
174 18740	0.2	10	70	65	184 18775	0.2	5	10	45
176 18741	0.2	460	850	100	186 18776	0.2	< 5	65	25
178 18742	0.2	75	120	60	188 18777	0.2	< 5	120	30
180 18743	0.2	5	22	45					
182 18744	0.2	25	40	75					
184 18745	0.2	40	70	140					
186 18746	0.2	5	15	180					
188 18747	0.2	5	10	85	cc Chevron Standard				
190 18748	0.2	5	< 2	70					
192 18749	0.2	5	22	45					
194 18750	0.2	5	13	75					

136-154 = 61% ... 172-176 ... 490.20 g/l ... 0.014 ...
 156-176 = 67% ... 0.024 ...
 180-186 = 67% ... 0.024 ...

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

LOCATION: Abbe Bay Ct., Q.C. Timber Co. Ltd Branch 18.

AZIMUTH: 018°

DIP: -45

LENGTH: 138.38m

ELEVATION:

CLAIM NO.:

STARTED: Nov 30 1979

CORE SIZE: 60

DATE LOGGED: Dec 11, 1979

SECTION:

COMPLETED: Dec 7 1979 (hole stopped - fracture) DIP TESTS:

LOGGED BY: Colin Harvel

PURPOSE: Test Coarse showing

HOLE NO: C-79-1

PROPERTY: COMPTON

from	to	DESCRIPTION	SAMPLE NO.	from	to	LENGTH	L.C.C. or fractures	th veins	py veins	lamellar	SP/ft.
0	183	no core									
183		box 1) 0m to Green st. altered mottled texture <i>epithermal</i>					13' 45'				
		11-3-85 17-5-18 irregular texture <i>low ill. buff. & quartz</i>					15' 18"				
		27.8-23 frags of <i>patina</i> with 2 <i>small</i> <i>irreg. mottled</i> <i>black</i> <i>concrete</i>	13703	4	6m		16" <i>alt. 10</i>				2.5' (pm)
		some <i>veins</i> <i>core</i> <i>to</i> <i>4</i> - <i>alt. vein</i> <i>of</i> <i>frag</i> <i>concrete</i>	4	6	8		28-10"				1.2' (m)
		@ 7.01-7.62 low L.C.C. a <i>quartz</i> <i>alt</i> <i>alt</i> <i>fract</i> <i>alt</i>	5	8	10						
		box 2 11.20 @ 11.06 apparent flow-layer contact @ 20' L.C.C.	6	10	12						
		12-95 to 13.11 @ w. 5% <i>alt</i> <i>sp</i> <i>are</i> <i>with</i> <i>alt</i> <i>alt</i> <i>alt</i>	7	12	14		46' 70" <i>alt.</i>				
		<i>veins</i> <i>in</i> <i>fract</i> <i>concrete</i>	8	14	16						
		box 3 15.86m @ 20.06 <i>concrete</i> <i>alt</i> <i>alt</i> <i>alt</i>	9	16	18		58' 20" <i>alt.</i>		67' 20" <i>sp.</i>		
		20.42 @ 20.42 <i>fr</i> <i>in</i> <i>fract</i> <i>alt</i> <i>alt</i>	10	18	20		73' 5" <i>alt.</i>				
		23.47 @ 20.42 - 22.86m generally lighter green	1	20	22						
		alt. phase "stained" <i>crystal</i> <i>buff.</i> <i>alt</i> <i>alt</i> <i>alt</i>	2	22	24		70' 20" <i>alt.</i>				
		box 4 21.47 4 <i>quartz</i> <i>gray</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i>	3	24	26		85' 40" <i>alt.</i>				
		26.52 locally intense <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i>	4	26	28		70"				57' alt <i>pm</i>
		29.57	5	28	30			96' 60"			6m 4
			*18520	30	32			20' <i>alt.</i>	29.65m <i>alt.</i>		
		@ 27.89-28.04 carbonate <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> @ 20' L.C.C.	13716	32	34						
		<i>in</i> <i>vein</i> <i>of</i> <i>fr</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i>	7	34	36						
		box 5 @ 28.26-29.57 carbonate <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i>	8	36	38						
		box 5 32.61m similar to box 4 <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i>	9	38	40						
		35.06m locally green with wisps of fine black	20	40	42						
		mineral (hematite) <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i>	1	42	44					34.5' 50"	
		matrix <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i>	2	44	46					34.9' 35"	1.2' <i>alt.</i>
		locally <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i>	3	46	48						
		spotted <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> <i>alt</i> @ 5%	4	48	50						
			5	50	52						

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

LOCATION: _____

AZIMUTH: _____

DIP: _____

STARTED: _____

COMPLETED: _____

PURPOSE: _____

LENGTH: _____

CORE SIZE: _____

DIP TESTS: _____

ELEVATION: _____

DATE LOGGED: _____

LOGGED BY: _____

HOLE NO: **C 79-1**

PROPERTY: _____

CLAIM NO: _____

SECTION: _____

LOGGED BY: _____

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH	46 ca. barren fault	9/16 veins	py veins	fracture	Dis. % py fr.
	Box 6 38.55m	more alt. than prev. lighter al. qtz	13726	52m	54m	21.5 25"					
	41.75m	vari-text. and/or fragmentals with	7		56	39 60					2.4 p ¹⁰⁰
	44.88m	increased freq. of soft thoroughly alt. calc.	8		58	41.8 70					4.5 p ¹⁰⁰
		with zones - @ 38.4, 38.8 39.55 40.5 (alt.?)	9		60	43 35					50%
		last zone has amount of	30		62	65		41.0-40"			
	Box 7 47.85m	S/L light green	1		64						
	50.90m		2		66	46.5 50"					
			3		68	46.6 55"					
		@ 49 fine varlets of propyl	4		70	49 45"					2 p ¹⁰⁰
			5		72	50.4 150"					1 p ¹⁰⁰
			6		74	60					
		@ 50.95 cpy on fault with minor	7		76	52 35"					3 p ¹⁰⁰
		dis grains in green altered rock	8		78						50% 51.5
		41% sulphate propyl (on cubes 40m)	9		80						
	Box 8 51.95m	49% magnetite fragments in green matrix	40		82						
		soft greenish grey matrix to propyl: pervasive									
	57m	propyl alt. locally strong carbonate	1		84	54.2 24"					
	57.61m										
	57.82m	@ 55.4 - 56 rel. strong py	2		86	55 50"					52 mib
		locally green chlorite calcite < 35° fault	3		88	54.8 25"					
			4		90	58 35"					
		@ 58.9 smoky halo about 15cm from	5		92						
	Box 9 61.57m	rot green-grey matrix with prochlorite	6		94	58.6 20"					
		55.8 alt. chlorite - red to alt. crushed luff	7		96	60 35"					
		frag < 2mm in 3cm over 6cm	8		98	60.1 45"					
		@ 59.6 - 60 rel. strong carb. alt.	9		100	61.2 40"					6.4 p ¹⁰⁰
		@ 60.4 3cm strong carb. alt. (propyl.)	13750		102						6.5 p ¹⁰⁰
		@ 65.0 - 65.2 strong propyl cpy in coarse (alt)	18501		4	65.5 10"					

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

13 of 5

HOLE NO: C-79-1

LOCATION:		AZIMUTH:		PROPERTY:	
DIP:	LENGTH:	ELEVATION:	CLAIM NO:		
STARTED:	CORE SIZE:	DATE LOGGED:	SECTION:		
COMPLETED:	DIP TESTS:	LOGGED BY:			
PURPOSE:					

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH	g to ca. base of fault	9' view	py vein	gauge or fault zone	Dip to Sulphide
		Box 10 66.90m light green-grey, soft propyl. alt'd	18503	106	108						
		71.93m agglom. andesites w/ consistent fracture	4		110		69.1 50'			gauge @	
		to 71.5m	5		112		69.2 40' alt. dip.			67.2	71
		@ 71.5 changes to aphanitic green	6		114		69.8 alt. dip.			69.8	87.1 100' Fr
		flow(?) with local cal. stringers	7		116						@ 50'
		w/ weak carb alt. thru box	8		118		71.4 20' alt. dip				72.8 100' Fr
		@ 60.3 finger of intrusion (?) or bleached	9		120		7				72.6 100' Fr
		sil finger very sharp w/ no cal. diss. in fact end	510		122						71.91 100' Fr
		@ 71.4 talcose/malte	1		124						73.2 c2h-114)
		Box 11 71.70m green aphan. and @ 73.46 silifer	2		126					4' silifer 71.70-73.46	73.5 3'
		76.23m socm border alt.	3		128					@ 30+15	73.78(?) < 12.5'
		77.11m									
		78.11m thin: var. textures soft green-grey	4		130					cone 65'	
		prochlorite + agglom sil to those above - like	5		132					Blk. 11. 75.5-70	
		with strong carbonate-rich alt. - propyl. alt.	6		134		75 25' alt.			strongly off floor w/ sil.	
		have raised rock before the box	7		136		78.50 25'				
		strong increase in sulphide stringers	18518 *	136	138-38		77.3 35'				
		(6 to 8 cm - layers)									
											82.1 12cm 20'
		Box 12 81.30m as above cont'd to 82.5					82m 15'				
		82.5m					alt. cal.			82.7 3cm 20'	82.6 20'
											82.4 25' Fr
		thence: uniformly textured green					82.				
		strong propyl. (?) alt'd zone with 1-2% diss sil. silifer					82.0 20'				82.6 25'
		* common sulphide fault coating + silifer					82.1 30'				85.6 75'
		mod. carbonate (ca stringers) veins					82.6 20'				
		Box 13 84.12m similar to above - rather fine grained common alt.					84.4 45' alt.				- Box 13
		84.11m sulphide carbonate + propyl. (?) stringers (fract. network)					92 35'				72.9-91.8
		to 92.1 thin sil. matrix in quartz zone 82.3-82.1 (?)					89.6 35'				1.2 100'

* fault-split that by
Hole (Dunn) @
Reynold Sand.

HARVEY MANAGEMENT CO.
DIAMOND DRILL RECORD

P: 5 HOLE NO: 2-70

AZIMUTH: _____
 DIP: _____ LENGTH: _____ ELEVATION: _____ CLAIM NO: _____
 STARTED: _____ CORE SIZE: _____ DATE LOGGED: _____ SECTION: _____
 COMPLETED: _____ DIP TESTS: _____ LOGGED BY: _____
 PURPOSE: _____

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH	± Sec Says to Starts	of core	from to	target depth	± Sec Starts	quality
		Core 17 117.96 121.01					116.25				117.2 35°	
	118.7						116.4-45				117.5 25°	2-4
118.7		dark green gray alt. agglom. ^{to} andesites suffused w. calcite stringers + fract. fillings broken ground					116.4: 35° 116.7 45			118.7 100	117.5 35° 117.4 45	5-10
		Core 18 121.44 124.57 129.54					121.25				122.4 45°	4-10
		as above locally zones of gray black argillite (125.10)					125.2 30					
		shiny green slicks of serpentinite on veins fract. surfaces locally argillite					126.4 40			125.3 30	127.1 45°	4-10
							127.2 45					
							131.6 35					
	134.11	Core 19 131.27 134.11					132.9 60					
134.11	135.4	136.25 fault zone of clay alt. shaly w/ calcite dip angle of shear is ca 60-70°					131.5 45			134.1 100		
135.4		dark green alt agglom. w/ andesitic w/ calcite B' of core remains in hole (Dec 11, 79) Note Core recovered Jan 1980.					134 25					5-10

HARVEY MANAGEMENT CO.

DIAMOND DRILL RECORD

10 of 2

HOLE NO: C-30

AZIMUTH: 175

DIP: -45° LENGTH: 30.7 m ELEVATION: CLAIM NO:

STARTED: Feb. 8, 1980 CORE SIZE: 84 DATE LOGGED: Feb 12 1980 SECTION:

COMPLETED: Feb 12, 1980 DIP TESTS: LOGGED BY: John W. ...

PURPOSE: Get 0.2 g/gm sample of ... Analyzed by Smith's Test Laboratory

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH	± lit	lit	lit	lit
0	3.05	London								
3.65	4.88	Basalt - dark reddish - superficial thin.	18550	12	17	2m				
4.88		Gray fine to med grain andesite - dacite	7	17	12	-				
		Dyke - no sulphide common 100% pyrox	8	18	13	-				
		Long leucite on fracture surfaces	9	19	18	-				
		A vein associated with granitic gneiss	30	20	20	-		13/m		1.3 ³
		volcanic (?) material - 2% sulphides 2.5% Ca	1	21	22	-				
		10.15-11.17 water in fracture see increase in pyrox	2	22	24	-		13/m		5.0 ³
		(2.25%) fractures (green matrix dark volcanic (?) material)	3	24	26	-				5.1 ³
		slightly magnetic throughout	4	26	28	-				5.2 ³
		11.17-11.19 increasing porosity thin crystalline (alk. maf)	5	28	30	-				5.3 ³
		11.19 less strong in outcrop ~ 28m	6	30	32	-		1.2/4		5.4 ³
		12.01-12.05 12.05-12.07	7	32	34	-				
	32.5	at base all marginal phase 30-32 5m 2.5	8	34	36	-				
		part core 32-32.5	9	36	38	-				
32.5	40.0	Green to greenish - 7% more and less altered	40	38	40	-				3.0 ³
		volcanic - pyroxene agglomerate + (low S)	1	41	42	-				
		-D 30-32 1/2 + pyroxite D 30-32	2	42	44	-				
			4	44	46	-				1.9 ³
			5	46	48	-				
40.0	42.0	Gray - greenish alt. vol. - uniform mottled sect.	6	48	50	-				
		ing. of + med. gr. felds + grains pyroxene col.	7	50	52	-				5.1 ³
		minor disc. K. gr. py	8	52	54	-				5.2 ³
42.0		Gray to coarse light green andesite	9	54	58	-				5.3 ³
		-cal. - albite rock alt. v. common	18550	58	60	2m		2.0	1.1	1.1

k, ~ 200m WNW of -79-1

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

D. J. (2) HOLE NO: 200

AZIMUTH: 018°		PROPERTY: 200	
DIP: -55°	LENGTH: 120.7m	ELEVATION:	CLAIM NO:
STARTED: Feb. 8, 1980	CORE SIZE: 8φ	DATE LOGGED:	SECTION:
COMPLETED: Feb. 12, 1980	DIP TESTS:	LOGGED BY:	

PURPOSE:

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH					
		Grey to light green argillite contd.	18551	60	62	2m					
		Common success and slips of sulphidation	2	62	64						
		generally these at < 20° b.c.a. and < 7°	3	64	66						
		intermittent clay-rich zones bleached	4	66	68						
			5	68	70						
		similar to above, increase in fine, white	6	70	72						
		sl. increase in size	7	72	74						
			8	74	76						
		increase in ground sulphidation - slip	9	76	78						
		68-66m sl. more white, mainly clay alt.	18560	78	80						
		slightly → less white, more clay	1	80	82						
		76.2-76.5 m. high b.c.a. - grey, greyish blue	2	82	84						
77.8		Box (1) 71.52 73.76	3	84	86						
			4	86	88						
77.8	78.5	fault zone gouge at 85-75° b.c.a.	5	88	90						
		Box (2) 78.14 77.74	6	90	92						
78.3		sl. alt. greenish vol.	7	92	94						
		at 83m darker green + increased	8	94	96						
		haws. content → locally pinkish grey	9	96	98						
		Box (11) argillite (sl) on fracture in this sequence	18570	98	100						
		Box (12) (similar to that at 60m - 79-1)	1	100	101						
		Box (13) calcite, hematite, etc. assembl.	2	101m	102						
		Box (14)	3	102	104	18572	112	114			
		Box (15)	4	104	106	7	114	116			
120.7		Box (16)	5	106	108	20	116	118			
		hole stopped at 120.7m	6	108	110	1	118	120			
			18577	110	112	18580	120	120.7			

near QC Timber Martine

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

PROPERTY: Riley HOLE NO: R-80-1

AZIMUTH: 045°
 DIP: -45° LENGTH: 163.7 ELEVATION: CLAIM NO:
 STARTED: Feb. 15, 1980 CORE SIZE: 89 DATE LOGGED: Feb 22, 1980 SECTION:
 COMPLETED: Feb 19, 1980 DIP TESTS: ✓ LOGGED BY: Colin Harivel

PURPOSE: To test 0.2 oz/ton surface sample & depth

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH				
	110.64	Shear zone @ 40-45° to ca.	18603	84	66 m					
110.64		Grey, greenish, purplish-grey, agglom and fine gr. tuffs with interbedded charcoal grey-black argillaceous sections, cream and creamy-buff altered tuffs (v. gr.) lenses, clots, veins of pyrite common in argillaceous sections; local rare veins of sp. A 3 cm wide. 60° to ca	10	66						
			1	68						
			2	70						
			3	72						
			4	74						
			5	76			18646	118	120 m	
			6	78			#18647	120		
			7	80			8	122		
	134.42		8	82			9	124		
134.42	141.43	Grey, clay-altered soft incompetent core of coarse pyroclastics - poor sorting - low sulphide content	9	84			40	126		
			20	86			1	128		
			1	88			2	130		
141.43	146.6	Predom. black-grey fine gr. (argillaceous) sed. intermixed with pyroclastics	2	90			3	132		
		blebby py commonly assoc. in lenses 4.3cm	3	92			4	134		
			4	94			5	136		
			5	96			6	138		
			6	98			7	140		
		to 146.6-146.8 shear zone @ 25° to ca.	7	100			8	142		
146.6	159.72	Porphyritic agglomeratic flows; pink, green, buff. no vsc sulphide	8	102			9	144		
			9	104			50	146		
			30	106			1	148		
			1	108			2	150		
			2	110			3	152		
			3	112			4	154		
			4	114			5	156	158	
			5	116	118 m		18656	158	159.72 m	

c, south of Needles, trib of
Russell Sound, P.C.I., BC

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

PD of 6 HOLE NO: C-80-2
PROPERTY: COURTE

AZIMUTH: 200°

DIP: -45° LENGTH: 218.4m ELEVATION: CLAIM NO:

STARTED: Feb 21 1980 CORE SIZE: 69 DATE LOGGED: Mar 1980 SECTION:

COMPLETED: Mar 3 1980 DIP TESTS: None LOGGED BY: C.H.

PURPOSE: Sample 'gumbo' zone at depth; explore structure

CLAY-ALTD
GREY-GREEN
PYROCLASTICS

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH
0	4.57	Casing	18657	4.5	6m	
4.57	13.11	Gray and dark gray tuffaceous agglomerates (pyroclastic)	8	6	8	
		Box ① ^{4.57 10.56} / _{7.22 11.89} Vents with few fractures, veins w. pyf (</m)	9	8	10	
		Box ②	60	10	12	
13.11	18.44	Green sandwashed tuffs and tuffaceous agglomerates	1	12	14	
		Fault - 25° to c.a. @ 15.24 - 18.94 grinding (1.3m of core lost)	2	14	16	
18.44		Smy, light gray, greenish clay-rich, very soft altered pyroclastics similar in text. to prev.	3	16	18	
		Box ① ^{23.17 26.31 30.44} / _{24.30 28.04 31.70} veins @ 20.42' hem-cal-py > 65° to c.a.	4	18	20	
	31.55	section ends abruptly @ 42° to c.a.	5	20	24.4	
		Box ② ^{32.00}	6	24.4	26.21	
31.55		Dark green, locally altered andesite agglomerates and flows	7	26.21	28.00	
		Box ① ^{33.22 37.19} / _{34.75 38.69} length of altered section = 20cm	8	28	30	
		Box ② ^{43.67 46.84 51.45} / _{43.89 47.05 51.45} - length of altered section = 21m cal-py	9	30	32	
		Box ③ ^{47.85 52.27} / _{47.68} - core has sl. magnetic response	70	32	34	
		Box 6 - calcite increases; 50% altered rock	1	34	36	
		@ 47.55m fault-zone, cream-green @ 30' bca	2	36	38	
		@ 53m cal. w. py veins @ 35' bca	3	38	40	
		Box ① ^{55.40} / _{57.30} - generally pervasively sl. conc.	4	40	42	
		@ 54.1 shear zone 10cm	5	42	44	
		@ 54.1 - 54.7 scattered clots of py	6		46	
		Box ① ^{63.83 65.23} / _{63.89} @ 54.7 - 58 - patchy disc granular py w 2%	7		48	
		Box ② ^{67.97 73.15} / _{70.10} @ 60 - 62m - 1-2% disc py fragments	8		50	
		@ 73.6 25 ca. calcite + minor py conc. 8mm	9		52	
		@ 73.0 - 74.2 shear zone w. gouge, shearing at 20-30° to c.a.	01		54	
		- rock mod. hard with 2-5% creamy white fgr.	1		56	
		alt's product (clastic, scicite (?) common feature)	2		58	
		The hole	3		60	

GREEN, ALTD
FLOWS & AGGREGATE

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

P 2 of 6

HOLE NO: C-80-2

AZIMUTH:			
DIP:	LENGTH:	ELEVATION:	CLAIM NO:
STARTED:	CORE SIZE:	DATE LOGGED:	SECTION:
COMPLETED:	DIP TESTS:	LOGGED BY: C.H.	
PURPOSE:			

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH
31.55 (cont'd)		Green more or less altered (samaritized) vol.	18684	60	62	
	Box (10) 76.7	74.65-78.03 milled text, silt gr. boundaries	5		64	
		77.25	6		66	
		7% py; dis & assoc. w. cal. stringers	7		68	
		74.83 med shearing @ 30°	8		70	
		76.81 qtz - cal. veinlet @ 70°	9		72	
		79.22 strong fract + shearing @ 15°	90		74	
		79.86 hem - py. cal vein @ 30° qtz + sil	1		76	
		v. common cal. stringers → stockwork	2		78	
	Box (11) 82.30	87.17 - similar to prev. box w. increase in carbonate	3		80	
		veins and stringers esp. at low angles to c.a.	4		82	
	Box (12) 90.27	87.94 calcite matrix incip. box 25-30 to a	5		84	
		92.27	6		86	
		this box generally med-green, porv. altd.;	7		88	
		texture almost crowded ϕ (feldspar)	8		90	
		decreased calcite stringers but still common on fract.	9		92	
		- 91.2 cal. + quartz gouge 20° to c.a., 12mm wide	18700		94	
		92 calcite, 30°	1		96	
		94.8 sub-ill stringers hem + cal over 10cm, 55°	2		98	
		91-93m spotty fract. py (grains); x-min dis. py.	3		100	
	Box (13) 96.32	99.57 - generally more strongly altered, tendency to	4		102	
		lighter-green.	5		104	
		95-95.6 strongly bleached	6		106	
		97.54 - 98.91 common cal. (propylite?)	7		108	
		- grades into med. green pervasively altered (base)	8		110	
		w. common silite + buff f. gr. sil. clay (?) altn	9		112	
		98.21 35° to c.a.; qtz + cal + py veinlet	10710	112	114 m	
		98.79 gouge @ 30-35°				

AD'D
FLOWS & REGION

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

1.3 of 6

HOLE NO: C-80-2

AZIMUTH:			
PROPERTY:			
DIP:	LENGTH:	ELEVATION:	CLAIM NO:
STARTED:	CORE SIZE:	DATE LOGGED:	SECTION:
COMPLETED:	DIP TESTS:	LOGGED BY:	
PURPOSE:			

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH
31.55 (cont'd)	Box (14) 102.41 105.06	as prev. to 106.68 - locally strong cal. veining	18711	114	116 m	
		decrease in white dis. altn product (f.g. clayite)	2		118	
		- dk. green chlorite + cal. + min. hem. common in fracture	3		120	
		@ 106.68 lighter green perv altn - increase in white	4		122	
		mid. altn product	5		124	
		@ 107.29 small shear @ 35°, 2cm white zone	6		126	
		@ 109.12 cal + qtz + py clots: 40°, 7mm	7		128	
	Box (15) 111.56 114.61	- gen. green to light green perv altn (5mm)	8		130	
		@ 113.39 cal + hem @ 15° thin carb.	9		132	
		@ 114.91 " " @ 5-10° stringers	20		134	
	Box (16) 117.65 120.70	- as above w. increased intensity altn from 120.7	1		136	
		@ 126.09: 10° carb. with strong clotty py in	2		138	
129.24	Box (17) 123.75 126.50	20cm zone creamy intense altn zone.	3		140	
129.24	129.54	@ 129.24 begin zone of:-	4		142	
		Cream to light green, commonly clay altn (soft) vol.	5		144	
		with massive py. stringers and clots; black-gray	6		146	
		matrix (py/clay) common -	7		148	
	Box (18) 132.82 132.82	130.70 - 130.70 @ 20-35° w. py	8		150	
		131.37 - 131.67 @ 35-40° 5 sub // faultfill.	9		152	
		132.59 - 132.89 @ 40°	30		154	
	Box (19) 132.59 137.30	134.72 - 135.03 brx 15-20° + sulphide (f.g.)	1		156	
		136.25 - 136.55 @ 25° + sulphide	2		158	
		137.62 @ 25°	3		160	
		@ 139.9 qtz v. 25°	4		162	
		@ 140.51 qtz @ 10°	5		164	
		142.34 - 142.95: qtz + hem within section	6		166	
145.5		@ 145.2 15-20° sulphide (py) + gangue	7	166	168 m	

MORE INTENSELY
 ALTD ANDESTIC
 AGGLOM & FLOWS;
 INCREASED SULPHIDE

HARVEY MANAGEMENT CO.

DIAMOND DRILL RECORD

P 4 of 6
PROPERTY:

HOLE NO: C-80-2

AZIMUTH:			
DIP:	LENGTH:	ELEVATION:	CLAIM NO:
STARTED:	CORE SIZE:	DATE LOGGED:	SECTION:
COMPLETED:	DIP TESTS:	LOGGED BY:	
PURPOSE:			

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH						
145.5		Med. green pervasively alt'd feldsp & flows (?) w.	18738	168	170							
		locally oblit. text. mafic minerals med. to dk green	9		172							
		chloritized grains / uncommon sulphide - f. gr. py grains	40		174							
		on fract. surfs. with cal. / white f. gr. dis. cement alk.	1		176							
		product (1-2%) / dark green chlorite slips + fract. coatings	2		178							
		@ 145.6 low angle (15-20°) sulphide / pyrite gouge	3		180							
	150.8	@ 151 3cm 50° cement zone py + qtz + cal.	4		182							
150.8		Cream - altn phase (incip. "propylite"); crowded feldspar	5		184							
		& / common sulphide - chlorite - calcite - qtz fract. veins	6		186							
		(2-4/m)	7		188							
		@ 152 2cm wide qtz + clothy py + cal. + chl.; 30° sca.	8		190							
		@ 153.5 to 153.7 chlor. sulphide matrix incip. brx.	9		192							
		(bituminous (!))	50		194							
		@ 154.4 qtz + cal. + sulphide crush zone; 2cm 50°	1		196							
		156.06 chlorite + black gouge (?) + grey gouge	2		198							
		in crush zone → brx. in clothy py.	3		200							
		creamy light green feldsp & more or less	4		202							
		intensely alt'd - bleached local incip. qtz. veins	5		204							
		& 3mm wide chloritic crush zones and fract. coatings	6		206							
		common + py clots of f. gr. py @ 4cm x 2cm (near m)	7		208							
		@ 158.7 dis. arsenopyrite 2% (local)	8		210							
		qtz veins @ 161.7 - 162 m offset by fract.	9		212							
		@ 164.5 35° vein 70% pyrite (Bumm)	60		214							
		@ 165 strands of sulphide (py) in fract. offset	61		216							
		fract. @ 165.4 @ 20° with py; begin clay-rich zone	2		218							
		@ 167.18 40cm crush zone w. high clay cont.; range of cal.	3	218	218.54m							
		@ 25° 30° 70° & ca; + 10° fract. w. 3mm nkt. 70. mm										

GREEN, ANDESITIC
 INTERMEDIATE
 ALTN. FACIES;
 MOD SULPHIDES

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

95 of 6

HOLE NO: C-90-2

AZIMUTH:		PROPERTY:	
DIP:	LENGTH:	ELEVATION:	CLAIM NO:
STARTED:	CORE SIZE:	DATE LOGGED:	SECTION:
COMPLETED:	DIP TESTS:	LOGGED BY:	
PURPOSE:			

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH
150.8 cont'd		@ 167.18 - 171.30 generally creamy green rd. comp. section of incip. brx or heated crush zone (rel large frags; 1-2 cm) commonly w. podiform qtz exp K7.09-1655 which has v. high qtz + 7% dis. sulphides: high carbonate	SLUDGE			
		@ 169.32 gouge was 3cm @ 60° ± c.a.	18776	179	180.65	637 / 229
		@ 171.50 - 173.98 rel. dk. gr. (med gr.) with alt. dk gr. mafics - calcite stringers, rare sulphide	9	63.7	65.23	214
		@ 173.43 - 175.67 locally more intensely alt. dk. gr. - py - calc	80	65.23		224
		veins 40-70° common - creamy cal / 2-7% dis. calcite	1	68.27		
		py calcite / 174.65 30° gouge 2cm - (grinding)	2	71.32		
Box 24 174.65	177.70	@ 175.57 - 176.17 med. gr. stockwork - fract. cal - med. py alt.	3	74.37		
		@ 176.17 - 177.24 creamy cal oblit. bed no 173-175 zone sub 11 45° to 65° cal + py veins + fract. coatings	4	77.42		
		@ 176.78 - 177.09 sil incip brx zone / fine blk stockwork of mylonitized (?) sil / phid + fine grains v. yellow py (most py v. pale - As?)	5	80.47		
		@ 177.24 green med. py. alt. w. high dis. fine grained altn product (chgs?)	6	83.51		
		minor v. f. gr. dis. py assoc. w. hem fract.	7	86.56		
Box 25 180.70	182.47	as above	88	89.61		
		@ 180.27 qtz splash / @ 180.75 cal + kbb py 10-15	9	92.66		
		@ 181.97 - 182.33 v. soft clay - alt section creamy py clots + kbb assoc. with 25-35° fract. cuts	90	95.71		
		@ 182.80 shearing: qtz - sulphide mylonite + kbb py + incip brx - gouge fract. @ 35-40° bleaching +	1	98.75		
			2	101.8		
			3	104.85		
			4	107.9		
			5	110.75		
			6	114.		
			7	117.04		
			8	120.1		
			9	123.14		
			18800	126.19		
			1	129.23		
			2	132.8		
			2	135.0		

DIAMOND DRILL RECORD

PROPERTY: P3 of 8
 HOLE NO: C-00-3

AZIMUTH: _____
 DIP: _____ LENGTH: _____ ELEVATION: _____ CLAIM NO: _____
 STARTED: _____ CORE SIZE: _____ DATE LOGGED: _____ SECTION: _____
 COMPLETED: _____ DIP TESTS: _____ LOGGED BY: _____
 PURPOSE: _____

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH
	43.29 - 44.14	bleached → green gradation contact	18889	112 m	114 m	
Core 44.28	44.28	(through altin facies)	20		116	
49.99	44.14 - 49.68	green aphanitic xH buff v. common k'line	1		118	
		to 3mm carbonate veinlets (cal → dol?) complex fracture	2		120	
		sets in variety of orientation - generally 25° to c.a. These common	3		122	
		off-set by fine hairline fractures sparsely dis. f. gr. py.	4		124	
	49.68 - 51.51	bleached creamy green sandstone pebbles	5		126	
		coarse agglom. pyroclastics commonly clay streamers	6		128	
		and fine gr. of py throughout matrix & assoc. with	7		130	
		qtz-calcite stringers (uncommon)	8		132	
	51.51 - 51.04	green aphanitic as at 44.14 - 49.68 (above)	9		134	
	52.73 - 53.04	altin border phase / calcite @ 30-35° @ 52.12	18900		136	
		py grains and smears on fract. surf.	1		138	
	53.04	Grey and cream (bleached) agglom. pyroclastic	2		140	
		scattered py grains dis.	3		142	
Core 51.51	51.51	@ 57.61 in gr matrix dust - buff; agglomeratic	4		144	
56.39	56.39	- evidence of concentric structure py grain bms	5		146	
		"boulders" of propylite: @ 56.88 - 57.30 / 57.55 -	6		148	
		57.76 / w. 20° f. gr. py fract / @ 58.22 - 58.52	7		150	
Core 58.53	61.87	63.70 as zone - mottled / py on fract surfaces & smears	8		152	
59.72	59.72	w. cal ± hem / disturbed, heavy clay - altin bleached (discolor)	9		154	
		@ 59.13 py cubes - f. gr. + at 59.07	10		156	
	62.08 - 64.01	strongly altin zone within green aphanitic	1		158	
		as prev. / contact @ 25° of 220°	2		160	
Core 61.06	67.06	mixed vol. sed → pyroclastic - unusual matrix	3		162	
71.02	71.02	high qtz content, high py content (clumps)	4		164	
	67.06 - 68.25	90% qtz ~ 25° to c.a.	5	164 m	166 m	
	71.02 - 71.26	v. coarse sandstone				

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

15 of 8

HOLE NO: C-80-3

AZIMUTH: _____

DIP: _____ LENGTH: _____ ELEVATION: _____ CLAIM NO: _____

STARTED: _____ CORE SIZE: _____ DATE LOGGED: _____ SECTION: _____

COMPLETED: _____ DIP TESTS: _____ LOGGED BY: _____

PURPOSE: _____

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH
Box 12	83.00	xv fine py assoc w. v dark f. gr. clasts (?)	18942	20	30	
	93.57	85.19-85.75 tumbled text. pyroclastic or vol. sed	3	30	40	
		85.95-88.09 white to buff clast (small pebbles) in crowded	4	40		
		grayish matrix (reg sorting) pyroclastic	5	50		
		at 221 cal. py vari @ 55° & locally coarse clast py	6	60		
		88.07-90.57 fl. green oblit. text. alt. buff (?)	7	70	80	
		calcite on fract. surfaces common	8	90	100	*
		90.53-91.90 pebble agglom. pyroclastic - f. gr. dis py 1-2%	18950	110		
		calcite vari @ 2° with assoc. py - 2mm wide	1	120		
		* @ 91.18 st. & gas, soft, acicular sulphide STIBNITE (?)	-Toll 2	130		
		py in fract. 3mm assoc. with stibnite / py in f. gr.	3	140		
		+ local aggregation @ 1%	4	150		
		91.90 - 91.91 light bright green, soft alt'd agglom.	5	160		
Box 13	95.71	< 1% py as f. gr. to med. gr. dis	6	170		
	96.62					
	99.67	93.88-106.07 Generally green, very soft clay-ald	7	180		
		vari-text. agglom. - tending to green gumbo	8	190		
		@ 96.32 ghost banded alt. buff (?) with min py	9	200		
		@ 97.84 - 98.15 swirl text. buff (pred. fip) & grayish (silica)	60	210		
		with clots of py 1cm x .5cm or, otherwise few sect. py grains	1	220		
		alt. in structures - @ 10° 25° and 50° cal vari + stringers common	2	230		
		+ cal. fract. coatings common	3	240		
Box 14	102.72	- locally in this box 0.6m sections of red competent	4			
	105.46	core/dis py common, < 1 to 2%	5	250		
		106.07 red, more competent wire though still quite clay alt	6	260		
		106.68 white-cream, locally banded text. - orig bedding 40° (?)	7	270		
		assoc. clots of py from v. fine gr. to 4cm x 2cm clumps	8	280		
			8969	290	300	

MARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

P7 of 8

HOLE NO: C-80-3

AZIMUTH: _____

DIP: _____ LENGTH: _____ ELEVATION: _____ CLAIM NO: _____

STARTED: _____ CORE SIZE: _____ DATE LOGGED: _____ SECTION: _____

COMPLETED: _____ DIP TESTS: _____ LOGGED BY: _____

PURPOSE: _____

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH
128.02 Cont'd.	Box 19 ^{139.29} _{141.33}	139.29 rel. strongly alt. w. common and locally strong fine gr black stockwork and streamer masses assoc. with med gr. + light PY py common and locally as streamers + stringers 10% over 10 cm. gypsum on fract. common assoc w. cal. 60° alt'n structures + py common / clay-cal alt'n commonly @ 20-30°				
	139.29-145.69	Green to greyish-green f' sp rel. less alt'd @ 141.20 zone of py crush(?) black streamers 30°				
	Box 20 ^{144.07} _{147.69}	143.26-145.09 rel. strong clay alt / alt'n struts. @ 45-55° / cal. veins with py as granular disseminations 1-3/m / py av. 2-3% over this interval (for all forms) locally as clots in sand alt'n				
	145.69 -	green rel. competent f' sp / calcite stringers + remnants common calcite common on fract.				
	Box 21 ^{150.47} _{153.72}	- as prev. @ 153.31 cal + py - rare pink carbonate (rhodo?) + sparse dis py				
	Box 22 ^{156.47} _{160.07}	- sl. more alt'd (minor alt white dis. unid alt'n product (clay?))				
	163.07	- gen. green / locally stronger calcite as fine stringers + v. imp stockwork / locally dis f' gr py 2% over 30 cm				
	Box 23 ^{165.11} _{170.08}	@ 163.17 dis py assoc. w. 50° fract. 5% over 30 cm @ 5% over 30 cm				
	161.54 - 168.55	rel. fewer cal. stringers				
	168.55 - 170.38	broken zone with crushed appear. brecciated with gummy matrix ± cal. + esp. 169.77-170.38 has assoc. green py @ 30°				
	Box 24 ^{172.21} _{175.26}	- green to gray + maroonish gray f' sp to andesite / calcite veins + stringers common - generally fresh appearance @ 177.09 py @ 45° over 10 cm / py in some fract. (scattered) < 5° grey clay on fract slips 25-30 common also some py slips @ 179.83 py + po var @ 45°				
	Box 25 ^{178.92} _{181.97}	180.14-183.18 cream to buff alt'd zone very common black fine gr wisp/v. common py veins + fract. fill wisp f' 50-60° common * 182.16-182.51 3% v.f. gr. dis. arsenopy - not closely assoc. with py				
	Box 26 ^{185.01} _{191.11}	181.05 crush zone 1cm @ 60° 191.11 - greenish + buff alt'd andesite py veins assoc. w. alt'n / calcite stringers common in rel. sl. alt'd rock @ 185.78 65° fract w. py @ 187.15-188.67 clay alt. buff cal section w. dotted py in fract. + dis on low angle fracta @ 10° @ 188.57 sub 11 qtz vein 4mm + cal. 60°				

see sample 18

HARVEX MANAGEMENT CO.

DIAMOND DRILL RECORD

18 of 8
HOLE NO: _____
PROPERTY: _____

LOCATION: _____
AZIMUTH: _____
DIP: _____
STARTED: _____
COMPLETED: _____

LENGTH: _____
CORE SIZE: _____
DIP TESTS: _____
ELEVATION: _____
DATE LOGGED: _____
LOGGED BY: _____

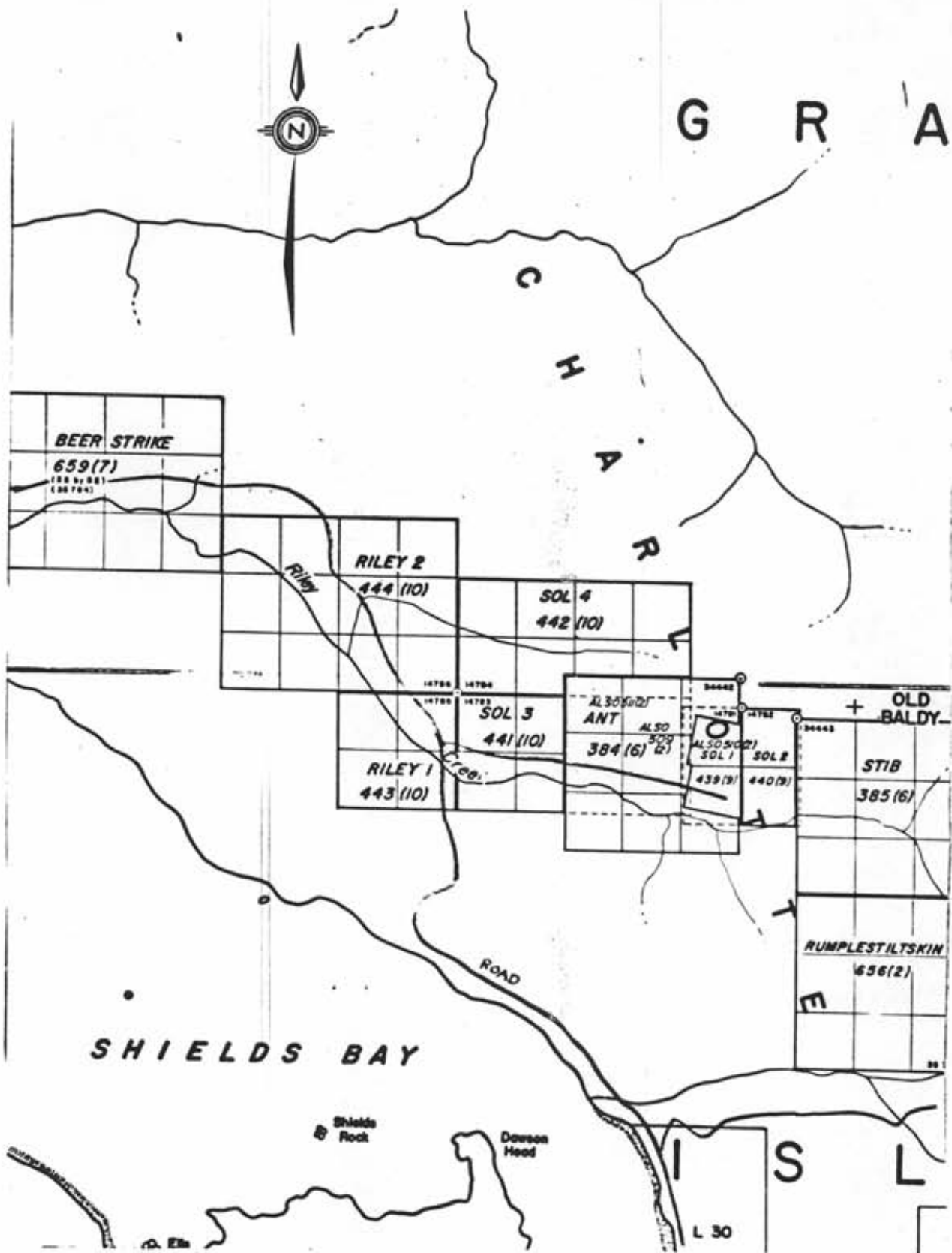
CLAIM NO: _____
SECTION: _____

PURPOSE: _____

from	to	DESCRIPTION	SAMPLE NO:	from	to	LENGTH
128.02 cont'd.		-191.41 py in 60° fract. 3mm with qtz / py sparsely, dis / f. gr. buff to pink dis. unid alt'n product common				
Box 27	197.21	greenish alt andesite trending to med. gr / cal veins + stringers common with py / py @ 25° smears + py fract. coatings				
	192.94	intermixed py + po + cal. over 2cm				
	193.61	subll py + po fract. veinlets @ 25°				
	196.75 - 196.90	sil zone w. cal. + py				average sulphide content 2-3%
	197.21 - 197.51	20° cal. / py veins + fract. in sil. zone				
		py smears @ 35° & 40°				
Box 28	200.25	green med. alt'd generally very competent coars				
	203.30	locally, fine gr. dis py @ 2% w. <1% buff f. gr. dis. unid. alt'n prod. common				
		irreg. py veinlets, offset by calcite-filled fract. / calcite stringers & fract. fillings common				
X	196.73 - 198.97	qtz vein with 10% arsenic + iron py - podiform (?) upper contact 20° lower 40°				
	202.00 - 202.24	calcite vein with py subll stringers + veinlets + much smears (black) all @ 20° but fract. near this local @ 60° py smears				
		avg sulphide <1-1% / on vis po this box				
Box 29	206.35	buff alt. product common @ 2%				
	207.40	206.35 - 207.40 generally green to pale green alt'd andesite w. common py veins and fract. coatings 45-60°				
		approx 4/cm subll				
still no magnetic response	207.57 - 207.72	shear zone with subll strands of black sulphide mylonite @ 40°				
	207.79 - 208.79	rel. strongly alt. with many py veins 3-5% py				
	208.79 - 209.54	green strongly carb. alt'n andesite with py smears 1-3/cm				
		1 mm (rare) f. gr. dis. arsenic + iron po (?) smears @ 10°, 20° (30°) 60°				
		@ 215.65 13mm qtz v. + assoc. py >> arsenic @ 45°				
218.54		END OF HOLE - LIMIT OF RODS				



JMT SERVICES CORP.			
SOL-RILEY PROSPECT			
PROPERTY LOCATION MAP			
SCALE			
Miles 136		136 Miles	
Prepared by	Date	NTS MAP AREA 103 F/BW	DRAWING No.
Drawn by	Revised		



SCALE 1:50,000

SOL-RILEY PROSPECT CLAIM MAP

103F/8W

C-79-1

Azim. 018°

Dip. -45°

m 0

20

40

60

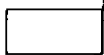

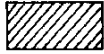

80

100

120

138.38m

L E G E N D

-  < 0.002 oz/ton Au.
-  0.002 - 0.005 oz/ton Au.
-  0.005 - 0.01 oz/ton Au.
-  > 0.01 oz/ton Au.

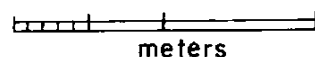
JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8W

DRILL SECTION

C-79-1

Au. ASSAY RESULTS

Scale 1:500



C-79-1
 Azim. 018°
 Dip. -45°

m 0

20

40

60

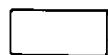

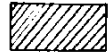

80

100

120

138.38m

L E G E N D

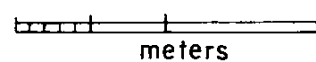
-  ≤ 0.02 oz/ton Ag.
-  0.03 - 0.05 oz/ton Ag.
-  0.06 - 0.09 oz/ton Ag.
-  ≥ 0.1 oz/ton Ag.

JMT SERVICES CORP.
 COURTE-RILEY PROJECT
 Queen Charlotte Islands B.C., 103 F/8W

DRILL SECTION

C-79-1
 Ag. ASSAY RESULTS

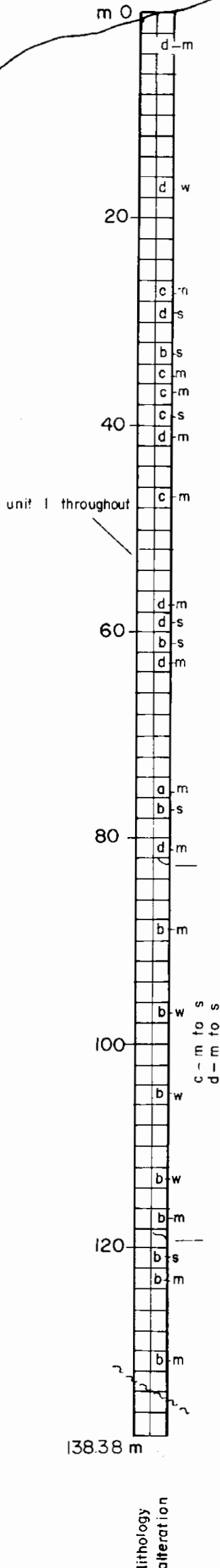
Scale 1:500



C-79-1

Azim. 018°

Dip. -45°



LEGEND

Lithology

1 Andesitic flows and agglomerates

2 Andesite porphyry dyke

Alteration

a Clay

b Carbonate

c Bleaching

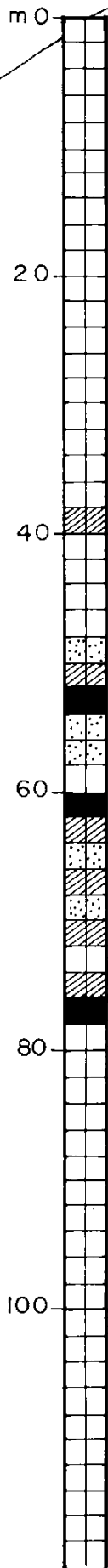
d Saussuritization

Note: a-w,m,s signifies weak, moderate and strong clay alteration.

JMT SERVICES CORP.
 COURTE-RILEY PROJECT
 Queen Charlotte Islands B.C., 103 F/8W
DRILL SECTION
 C-79-1
 LITHOLOGY & ALTERATION
 Scale 1:500





meters

C-80-1
 Azim. 18°
 Dip - 45°



120.7 m

LEGEND

-  < 30 ppb. Au.
-  30 - 100 ppb. Au.
-  101 - 500 ppb. Au.
-  > 500 ppb Au

JMT SERVICES CORP.
COURTE-RILEY PROJECT
 Queen Charlotte Islands B.C., 103 F/8W

DRILL SECTION

C - 80 - 1

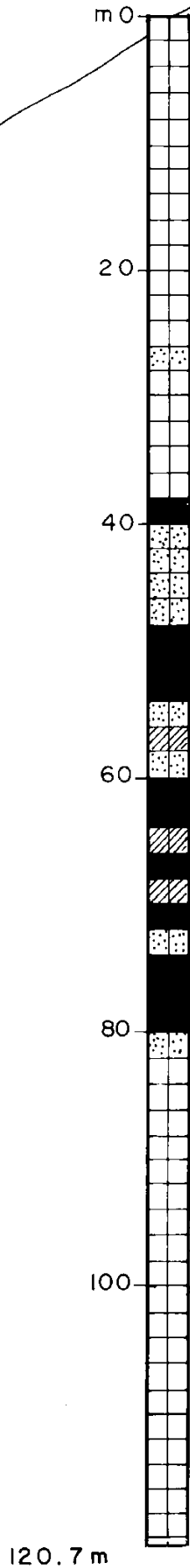
Au. GEOCHEMISTRY

Scale 1:500







meters

C-80-1
Azim. 18°
Dip - 45°



L E G E N D

-  < 20 ppm. As.
-  21 - 100 ppm. As.
-  101 - 500 ppm. As.
-  > 500 ppm. As.

JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8W

DRILL SECTION

C - 80 - 1

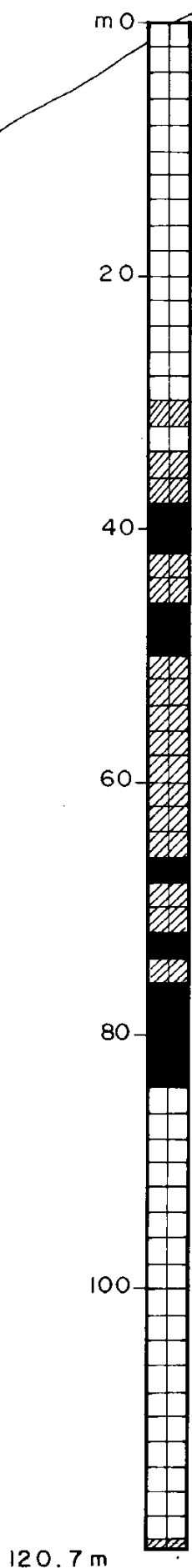
As. GEOCHEMISTRY

Scale 1:500







meters

C-80-1
Azim. 18°
Dip - 45°

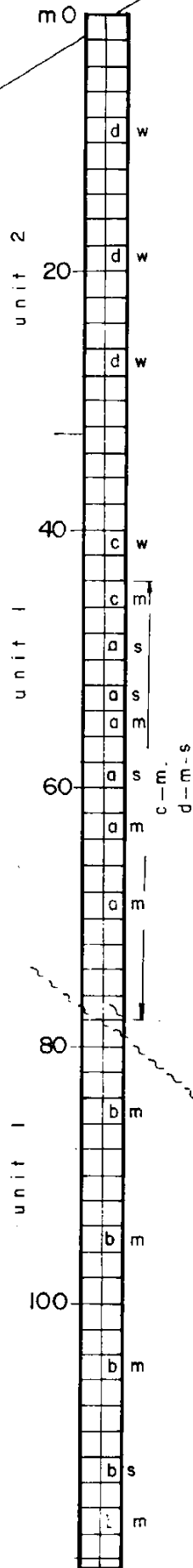


LEGEND

-  <50 ppb. Hg.
-  51 - 150 ppb. Hg
-  >150 ppb Hg

JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8W
DRILL SECTION
C-80-1
Hg. GEOCHEMISTRY
Scale 1:500

meters

C-80-1
 Azim. 18°
 Dip - 45°



LEGEND

Lithology

1 Andesitic flows and agglomerates

2 Andesite porphyry dyke

Alteration

a Clay

b Carbonate

c Bleaching

d Saussuritization

Note: a-w,m,s signifies weak, moderate and strong clay alteration.

120.7 m

Lithology
Alteration

JMT SERVICES CORP.
COURTE-RILEY PROJECT
 Queen Charlotte Islands B.C., 103 F/8W

DRILL SECTION

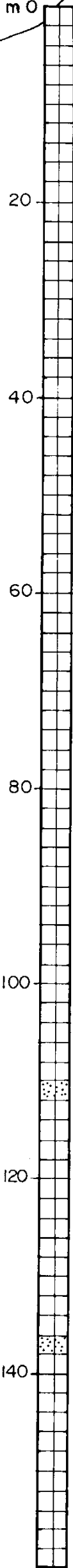
C-80-1

LITHOLOGY & ALTERATION

Scale 1:500

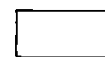





R-80-1
Azim. 045°
Dip. -45°



159.7 m

LEGEND

-  < 30 ppb Au.
-  30 - 100 ppb Au.
-  101 - 500 ppb Au.
-  > 500 ppb Au.

JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8 W
DRILL SECTION
R-80-1
Au. GEOCHEMISTRY
Scale 1:500



meters

R-80-1
Azim. 045°
Dip. -45°

m 0

20

40

60

80





100

120

140

159.7 m

LEGEND

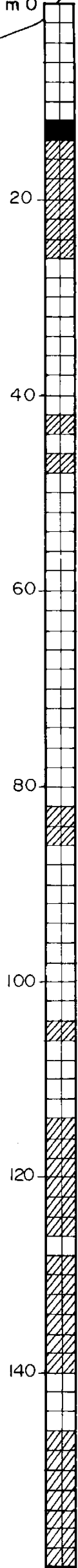
-  <20 ppm. As.
-  21 - 100 ppm. As.
-  100 - 500 ppm. As.
-  >500 ppm. As.

JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8 W
DRILL SECTION
R-80-1
As. GEOCHEMISTRY
Scale 1:500






R-80-1
Azim. 045°
Dip. -45°

m 0



159.7 m

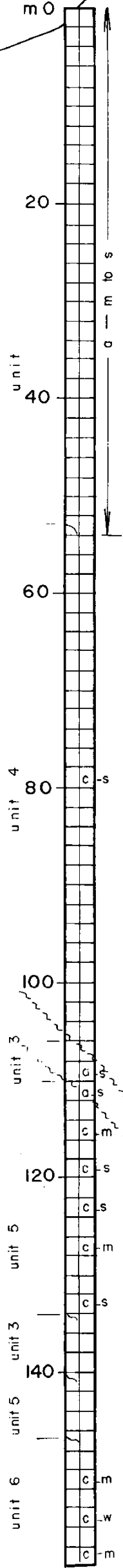
L E G E N D

-  < 50 ppb Hg.
-  51 - 150 ppb Hg.
-  > 150 ppb Hg.

JMT SERVICES CORP.
COURTE-RILEY PROJECT
Queen Charlotte Islands B.C., 103 F/8 W
DRILL SECTION
R-80-1
Hg. GEOCHEMISTRY
Scale 1:500



R-80-1
 Azim. 045°
 Dip. -45°



159.7 m

Lithology
Alteration

LEGEND

Lithology

- 3 Tuffaceous Agglomerate
- 4 Green and Maroon Agglomeratic Flows
- 5 Grey - Black Argillaceous Sediments Grey Buff altered Tuffs and Agglomerate Tuffs
- 6 Pink Green Buff Porphyritic Agglomerate Flows (Dyke ?)

Alteration

- a Clay
- b Carbonate
- c Bleaching
- d Saussuritization

Note: a-w,m,s — signifies weak, moderate and strong clay alteration.

JMT SERVICES CORP.

COURTE-RILEY PROJECT

Queen Charlotte Islands B.C., 103 F/8 W

DRILL SECTION

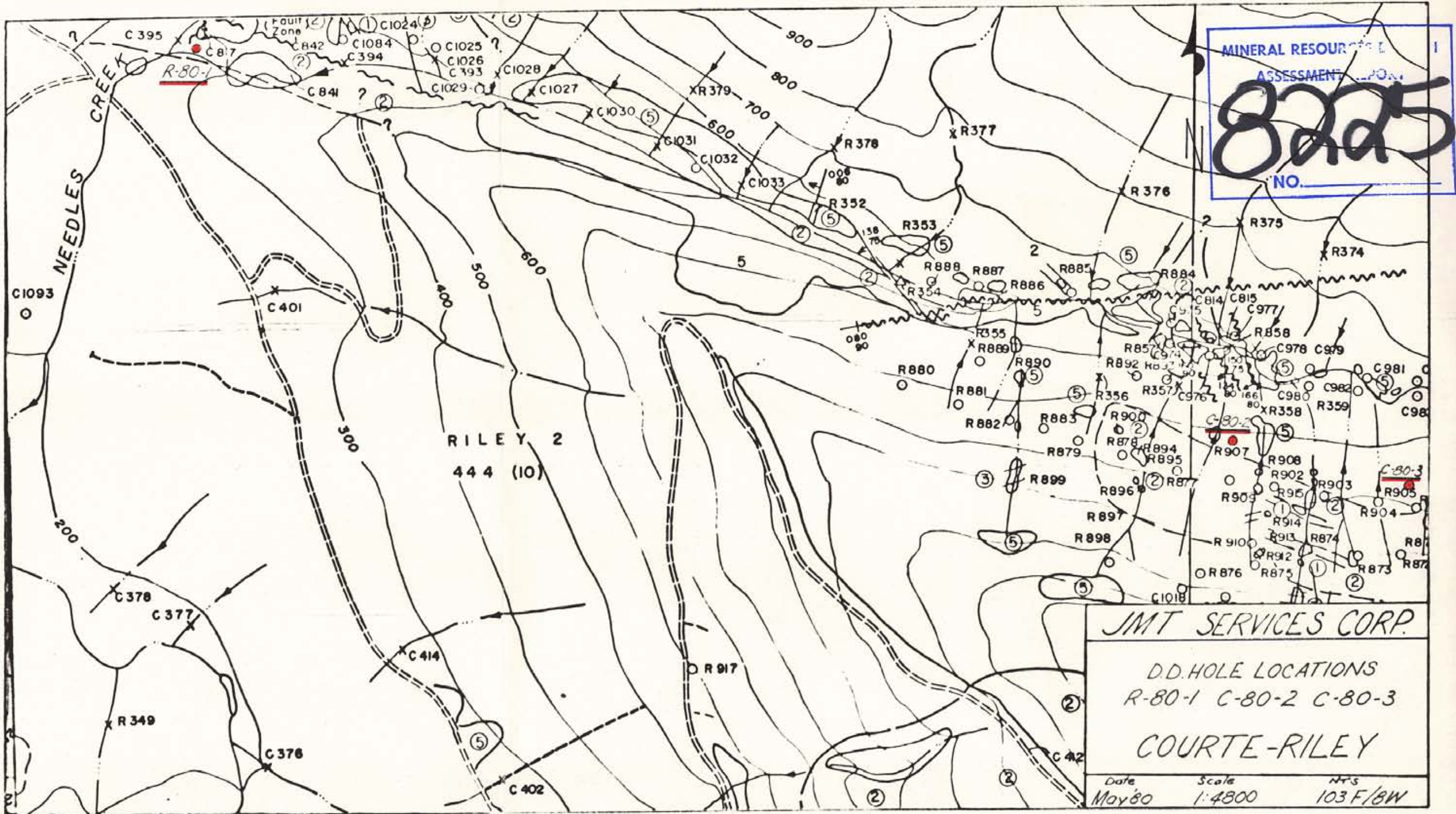
R-80-1

LITHOLOGY & ALTERATION

Scale 1:500



meters



MINERAL RESOURCE
ASSESSMENT

8225

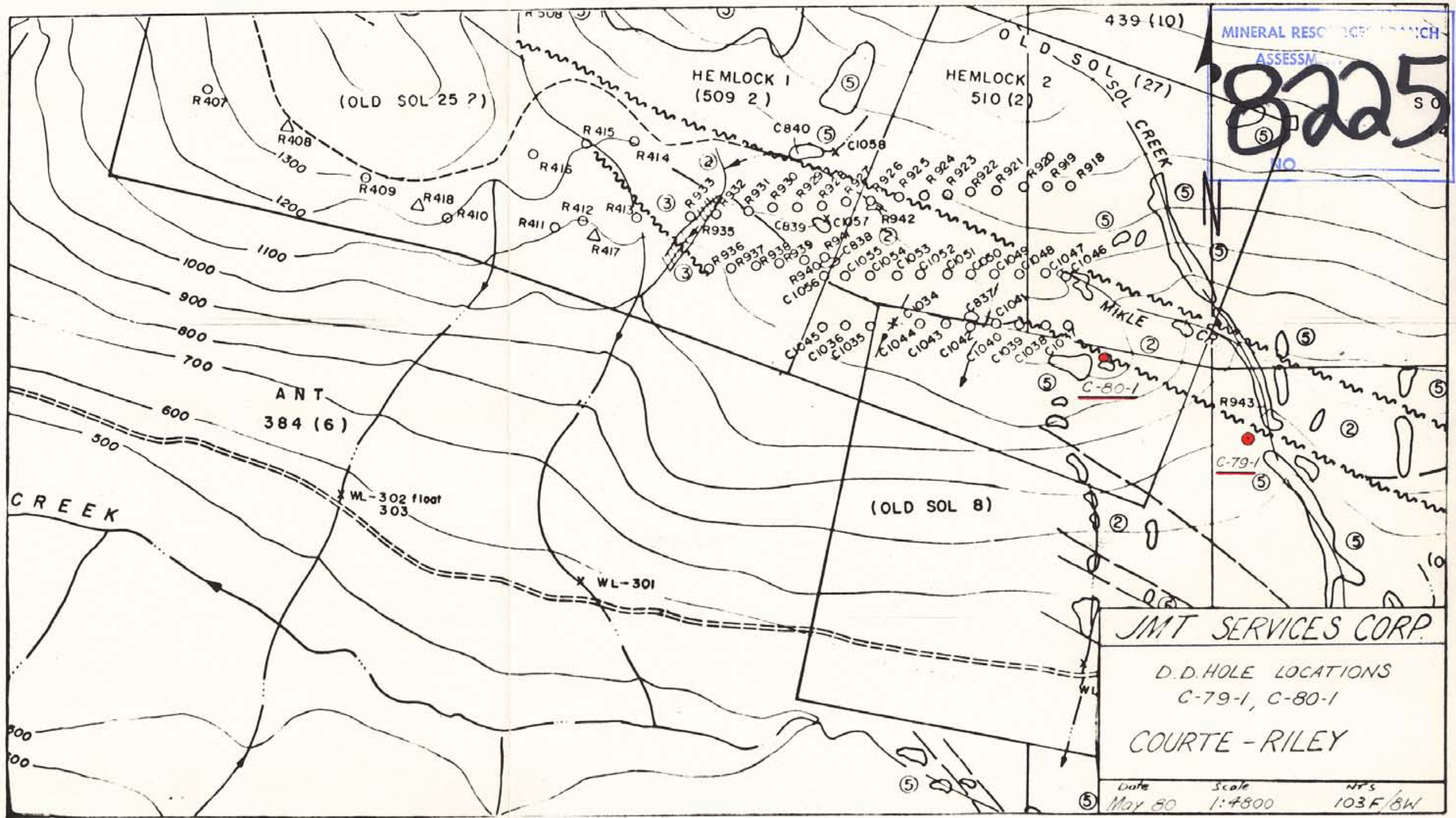
NO.

JMT SERVICES CORP.

D.D.HOLE LOCATIONS
R-80-1 C-80-2 C-80-3
COURTE-RILEY

Date	Scale	NTS
May 80	1:4800	103 F/BW

8225



JMT SERVICES CORP.

D.D.HOLE LOCATIONS
C-79-1, C-80-1

COURTE - RILEY

Date	Scale	NPS
May 80	1:4800	103F/BW