



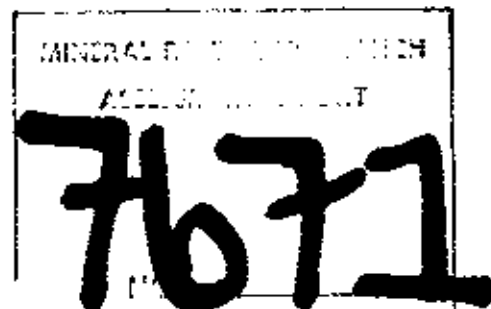
PLACER DEVELOPMENT LIMITED

DIAMOND DRILLING REPORT  
ON THE  
WAR EAGLE MINERAL CLAIM  
VANCOUVER MINING DIVISION  
49°39' N., 123°02' W.  
N.T.S. 92 G 11 E

Owned by: Maggie Mines Limited (N.P.L.)

Operated by: Placer Development Limited

By: A.D. Clendenan, B.Sc., P. Geol. (Alta.)



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### DIAMOND DRILL LOGS

#### MAPS (IN POCKET)

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Figure 7	Drill Hole Cross Section 1+50E	Scale 1:1000

STATEMENT OF EXPENDITURES

The following expenditures were incurred for diamond drilling on the War Eagle mineral claim from June 20 to July 12, 1979 and August 23 to September 4, 1979.

Drilling

(1) Access Road Building - L&A Equipment Ltd. (Aug. 15 - Aug. 17, 1979)	\$1,215.00
Access - site preparation - 07 @ \$50/hr.	1,900.00
(2) 423 Meters BQWL by Canadian Longyear Ltd. (Aug. 21 - Sept. 4, 1979)	46,180.55
(3) Drillers' board and room - 146 man days @ \$25.00/man/day (June 20 - July 12 and Aug. 23 - Sept. 3, 1979)	3,650.00

Supervision

30 days @ \$150/day (includes board and room) (June 20-July 12 and Aug. 23 - Sept. 4, 1979)	4,500.00
	<hr/>
	\$57,445.55

## INTRODUCTION

This report covers a diamond drilling program on the War Eagle mineral claim which is located in the Vancouver Mining Division at the headwaters of the Indian River approximately 10 kilometers southeast of Squamish, B.C. and 40 kilometers north of Vancouver. The area is accessible by a logging road from Squamish which follows up the Stawamus River and into the Indian River watershed.

The War Eagle claim consists of 9 units and is owned by Maggie Mines Limited. It is presently held under option by Placer Development Limited. The claim was located in 1976 following prospecting which found copper, lead and zinc mineralization in place. A short tunnel was driven at that time to further explore the find.

The present diamond drilling program, consisting of 423 meters of BQWL drilling in 4 holes, was aimed at finding similar mineralization in commercial quantities.

The diamond drill core is stored at the Placer Development Limited Research Laboratory in Vancouver.

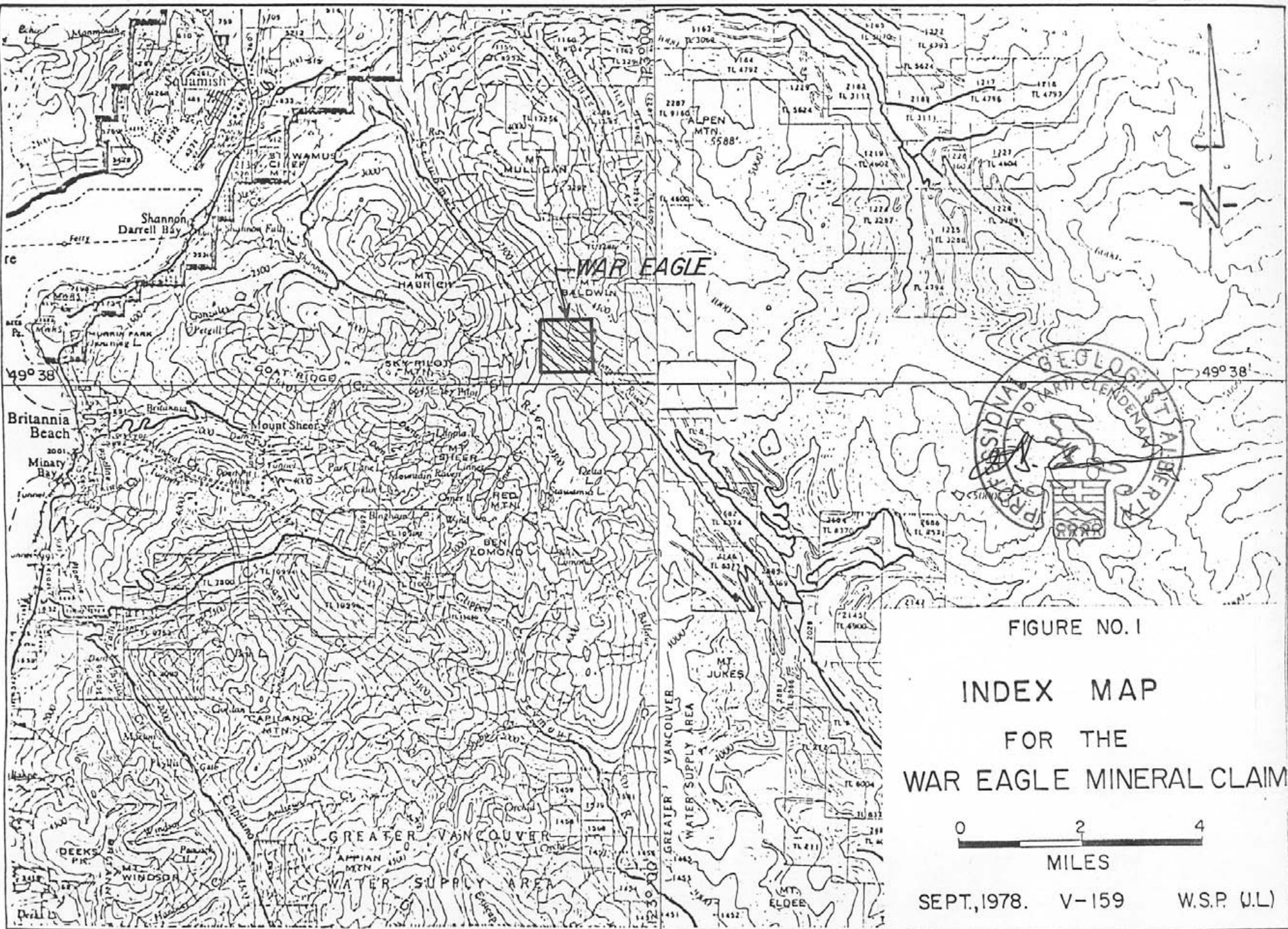
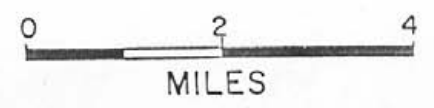


FIGURE NO. 1

INDEX MAP  
FOR THE  
WAR EAGLE MINERAL CLAIM



SEPT, 1978. V-159 W.S.P. (J.L)

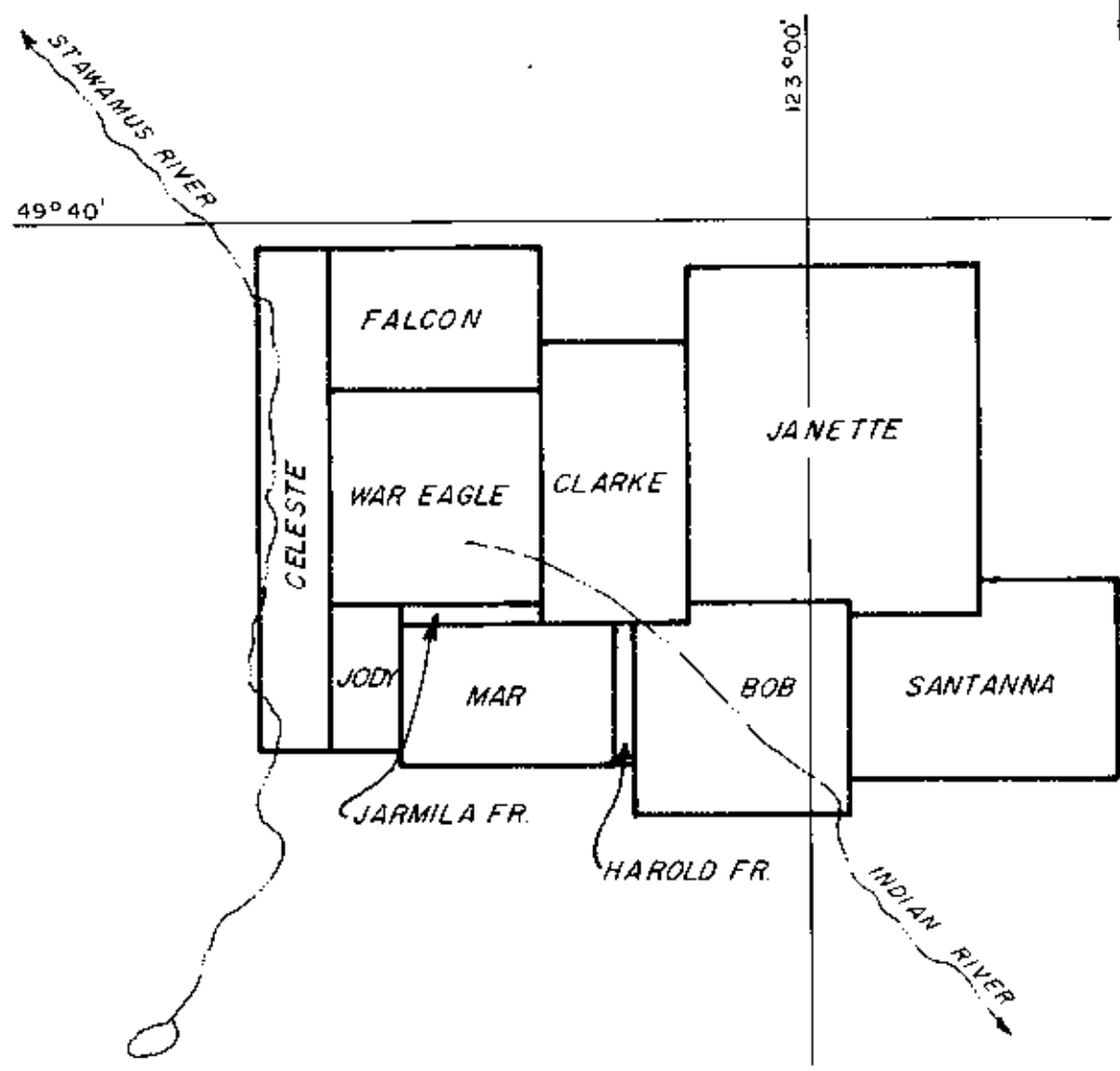


FIGURE NO. 2



PLACER DEVELOPMENT LIMITED  
 MAGGIE MINES LIMITED  
 VANCOUVER MINING DIVISION

### CLAIMS MAP



NOV., 1978. V-159 W.P. (J.L.)  
 FILE NO. 78-II-V-159-13B-0028

### GEOLOGY AND DRILLING

The 1979 diamond drilling program was carried out in the western and central portion of the War Eagle Claim. (See location maps figures 1, 2 and 3).

The claim is underlain to the northeast by granitic to quartz dioritic phase rocks which intruded volcanic sediments and flows. The volcanic rocks on the claim strike northwesterly and dip moderately to steeply to the southwest with the exception of a vent zone which appears to strike west and dip to the northeast.

The granitic-volcanic contact was observed 500 meters northeast of the portal where it exhibits a steeply dipping irregular (in plan view) cross-cutting relationship with the now overlying rhyolites.

The volcanic sequence of rocks includes agglomerate, porphyritic latite tuff (dark matrix), pyroclastic sediments of rhyolitic to latitic composition, black siliceous argillaceous mudstone, rhyolite tuffs and flows and andesite.

Low grade mineralization found in the portal, in surface showings adjacent to the portal, and in 1978 drill holes was thought to represent mineralization peripheral to a deposit associated with the Vent Zone. As a result of information obtained during 1978 it was postulated that the Vent Zone dipped north at approximately  $45^{\circ}$  and that the initial

drilling south of the vent paralleled the dip of the vent zone and better grade mineralization may exist on the north flank of the vent.

Diamond drill hole 79-1 was drilled to test the target area north of the vent zone. This hole encountered rhyolite flows, pyroclastic sediments, and black mudstone. The only sulphide encountered was disseminated pyrite which varied from trace to 1% in the lower half of the drill hole. See Figure 4.

The ground magnetometer survey of the portal area was extended to the west in the spring of 1979. This survey located two strongly anomalous areas which were subsequently drilled.

Hole 79-2 was drilled to intersect the steeply dipping magnetic anomaly in the area of line 8+00 W and the base line. Approximately 22 meters of glacial overburden were cased before encountering rhyolite tuff and pyroclastic sediments. The bottom 35 meters of the 86 meter hole encountered disseminated magnetite which varied from 1% to 4% (est.). No sulphides were noted. See Figure 5.

Hole 79-3 was drilled to intersect the magnetic anomaly near the road on line 6+25 W. at 3+60N. Eleven meters of glacial overburden were cased before encountering latite to dacite composition pyroclastic sediments which contained disseminated magnetite (est. 3%). No sulphides were noted in the hole which was drilled to 31.1 meters. (See Figure 6).



The disseminated magnetite in pyroclastic sediments found in holes 79-2 and 79-3 was sufficient to cause the ground magnetometer anomalies.

Hole 79-4 was drilled to check for an extension of mineralization to the southeast from the portal area approximately along the line of the B.C. Hydro access road. This hole was drilled in pyroclastic sediments of latite composition which contained disseminated pyrite from 119 meters to the end of the hole at 150.3 meters. The pyrite content varied from trace to 3% and averaged 1%. Trace amounts (est.) of chalcopyrite were noted from 128 meters to 134 meters in the area of a possible minor rehealed fault. Traces of chalcopyrite were noted in the area between 142.6 meters and 146 meters. No economic amounts of mineralization were encountered. See Figure 7.

The sequence of rocks encountered in drilling during 1978 and 1979 represent a stratigraphic thickness of greater than 300 meters which appear to span 14 cycles of deposition. One complete idealized deposition cycle would encompass the following units:

- (1) Agglomerate (volcanic lapilli-bomb breccia) containing 10-30% 1-4 cm acid volcanic, quartz and lithic angular to sub angular clasts in a tuffaceous rhyolitic fine grained matrix.

- (2) Porphyritic latite tuff (dark Matrix) containing 10-40% 1-3 mm and 0 to 10% 3-5 mm acid volcanic, and angular to sub-rounded quartz and lithic clasts in a tuffaceous latitic fine grained matrix.
  
- (3) Pyroclastic sediments of rhyolitic to latite composition (rhyolite to latite lapilli-ash tuff) containing 0-10% 1-3 mm sub-angular to sub rounded quartz and minor feldspar in a fine grained matrix.
  
- (4) Black siliceous argillaceous mudstone which probably represents high carbon ash beds.

The deposition cycle from agglomerate to mudstone is rarely complete as a result of gradational changes in lithology, proximity to the vent or selective erosion. There are also units with lithologic characteristics of more than one of the idealized units.

The drill hole data is given in Table 1. It should be noted that the correlation on the cross-sections is generalized or idealized and that the units are probably discontinuous and show some degree of lateral variation. (See cross-sections Figures 4, 5, 6 & 7)



A.D. Clendenen, B.Sc., P. Geol. (Alta.)

1979 DRILL HOLE DATA ON MAGGIE MINES LIMITED  
PROPERTY NEAR SQUAMISH, B.C.

<u>DRILL</u> <u>HOLE</u>	<u>LAT.</u>	<u>DEPART.</u>	<u>ELEVATION</u> <u>(METERS)</u>	<u>DIP</u>	<u>LENGTH</u> <u>(METERS)</u>	<u>BEARING</u>
79-1	5498793	497570	870	-90°	155.4	---
79-2	5499247	496880	707	-60°	86.3	270°T
79-3	5499360	497175	775	-60°	31.1	045°T
79-4	5498617	497515	810	-65°	150.3	045°T

TABLE 1

STATEMENT OF QUALIFICATIONS AND CERTIFICATION

I, A.D. Clendenan, with a business address at 800-1030 West Georgia Street, Vancouver, British Columbia, V6E 3A8, DO HEREBY CERTIFY THAT:

1. I am a Professional Geologist registered in the Province of Alberta;
2. I am a graduate of the University of Alberta, Edmonton, Alberta with a B.Sc. (Geology) in 1973;
3. I have engaged in mineral exploration for nine years.
4. I have no direct, indirect or contingent interest in the War Eagle or adjacent claim groups or the securities of Maggie Mines Ltd., nor do I intend to receive any interest.
5. I personally carried out or supervised the work and have assessed the results of the work.
6. Written permission is required from the writer to publish this report or portions of it in any Prospectus or Statement of Material Facts.

Respectfully submitted,



A.D. Clendenan B.Sc.,  
P. Geol. (Alta.)

DATED THIS 18<sup>th</sup> day of OCTOBER, 1979  
Vancouver, British Columbia

N.T.S. MAP GRID: 92 G11E

# CANEX PLACER LIMITED

(5498793 N)

HOLE No.: 79-1

LOCATION: INDIAN RIVER

BEARING: ✓

LATITUDE: 2756 N

PROPERTY: HOPKINS V159

SHEET No.: 1 of 3

DATE COLLARED: 9/6/79

LENGTH: 510 feet (155.4m)

DEPARTURE: N18W (497570E)

CORE SIZE: RQ WZ

LOGGED BY: A.D. Cragden

DATE COMPLETED: 9/7/79

DIP: -90°

ELEVATION: 870 METERS

SCALE OF LOG: 1 inch = 10 feet

DATE: 9/7/79; 11/10/79

ROCK TYPE AND TEXTURES	Carb. (%)	Carbonate %	Silica - Ind (3)	Contacts	Veins	Fouls	Bedding	Cleavage	Rock Type Structure	Footage	Mineralization Type (6)	SULPHIDE MINERALIZATION	Est Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																		SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
0-27 ft (0-8.2m) Rhyolite tuff as cliffs above; 15% zoned subangular to angular feldspar (plag?) crystals (eyes)	1	0	3							10		No		Collared in bedrock									
	1	0	3									No			12	58							
	1	0	3									No			14	99%							
	1	0	3									No			17	99%							
19-26 ft (5.8-7.9 m) Quartz vein zone is start of quartz zone	1	0	3		Quartz					20		No			23	79							
27-57 ft (8.2-17.4 m)	1	0	3									No			27	79							
Rhyolite tuff (no eyes) and quartz flooding. Thin biotite alteration locally	1	0	3							30		No			32	79							
Minor Brecciation locally	1	0	3									No			34.5	99							
	1	0	3							40		No			37	40%							
	1	0	3									No			42	99							
	1	0	3							50		No			?								
	1	0	3									No			52	95							
	1	0	3							55		No			57	99							

7671

# CANEX PLACER LIMITED

V159

HOLE No.: 19-1 SHEET No.: 2 of 8

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silice - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
57-75 feet (17.4-22.9m) Latite composition tuff grains 1-3 mm C.I. 15	2	0	2						60-70	67ft (20m) 1 grain pyrite 1/2 mm											
75 to 182 ft (22.9-55.5m)	2	0	2				25		80	No											
Latite to dacite Volcanic sediment (tuff) grains 1-2 mm C.I. 20-25	2+	0	2				50 50		90	No											
	2+	0	2						100	No											
	2+	0	2						110	No											
	2+	0	2				50 50		120	No											
	2+	0	2						130	No											

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# CANEX PLACER LIMITED

V159

HOLE No.: 79-1 SHEET No.: 3 of 8

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (g)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
75-180 ft (22.9 - 55.5 m) latite to dacite trachite tuff.	2+	0	2						140	No											
	2+	0	2						150	No											
	2+	0	2						160	No											
	2+	0	2						170	No											
	2+	0	2						180	No											
182-220 ft (55.5 - 67.1 m) light gray aphan. rhy. tuff Kadlinized 182 to 187 ft	1	0	1			6	5	10	190	No											
191- (55.5 - 57.6 m) CI 10	1	0	3					15	200	No											
	1	0	3							199' 18 pyrite on joint surface											

NO. 7671

# CANEX PLACER LIMITED

V159

HOLE No.: 29-1 SHEET No.: 4 of 8

ROCK TYPE AND TEXTURES	Cora (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
200-210ft. mainly fractured (61-64m)	1	0	3					10	208				208	99							
	1	0	3						210	210-220 1/2% pyrite disseminated 0.1mm grains	<1% Cu	Split 210-220	212 213	99 99							
220-229 ft (67.1-69.6m) Lacite composition Volcanic tuff CI 15	2	0	2		0 45 10			70 10	220	1/2% dissem pyrite and 1-2mm veins pyrite and chalcocite	0.1% Cu	Split 220-230 pyrite-chalco rotated into cleavage. Total sulphides 2%	No Data 229	99							
229-252ft (69.8-76.8m) Light gray to green aphanitic rhyolite tuff. CI 10	1	0	3					20 20	230	1% to 2% sulphides pyrite 1-2% chalcocite 2% Dissem. and in small blobs	0.1% Cu	Split 230-240 Spoonman from 40 feet Thin Section cut.									
	1	0	3					20 20	240	blobs rotated into cleavage; locally minor traces sphal.	0.1% Cu	Split 240-250 Thin section Aphanitic dehydrified rhyolite									
252-289ft (76.8-88.1m) Lacite to dacite composition Volcanic Sediments (tuff) grains 1-3mm sub angular. minor biotite alteration 252-290ft	2	0	2					30	250	1% dissem pyrite	<1% Cu	glass tuff 30% pernite 5% mafic (pyrite)									
	2	0	2					30	260	1% dissem pyrite	<1% Cu	bedded/shear laminated.									

MINERAL RESOURCES REPORT

# 7671

NO.



# CANEX PLACER LIMITED

V 159

HOLE No.: 79-1 SHEET No.: 5 of 8

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure	Footage	Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	A S S A Y							
																		SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO		
276 277-280	1	0	N		85°					277		1% disseminated pyrite 275 ft 30m gcr vein with 2% pyrite	<1% Cu												
280-282	2	0	Z							280		1% disseminated pyrite 1% blob pyrite Minor Chalko 1% disseminated pyrite	1% Cu	Solite 280-290 ft											
282-292	3	2	Z							290															
292-297	2	0	2							300		1% disseminated pyrite	Tr												
297-310	2	0	2							310			Tr	composition - Volcanic Sediment (Tuff) 1-3 mm grains sub angular. CI 20-25											
310-320	2	0	2		80°			10		320		1% disseminated pyrite	Tr												
320-330	2	0	2							330		1% disseminated pyrite locally to 2% pyrite blobs	<1% Cu	Solite 320-325 ft											
330-340	2	0	2							340		1% disseminated pyrite	Tr												

MINERAL RESOURCES BRANCH

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ROCK TYPE AND TEXTURES	Cork (3)	Carbonate %	Silico - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage % Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
292-495 ft (106-150.9 m) Latic to dacite Composition Volcanic Sediment (Tuff)	2	0	2						350	18 dissemin pyrite .100 mm grains	Tr Cu										
	2	0	2	70' 100' etc			50		360	↓	↓										
	2	0	2				30		370	↓	↓										
	2	0	2				50		380	↓	↓										
	2	0	2						390	↓	↓										
	2	0	2						400	↓	↓										
	2	0	2				50		410	↓	↓										

MINERAL RESOURCES BRANCH  
 GEOLOGICAL SURVEY REPORT  
**7671**  
 NO. 7671

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silice - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage %	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
342- 292-495 ft (106-110.9 m) Lignite to basalt Composition Volcanic Sediment (Tuff)	2	0	2						350	1% disseminated pyrite 100 μm grains	Tr Cu										
ROT 16	2	0	2				50		360	↓	↓										
365	2	0	2				50		370	↓	↓										
ROT 17	2	0	2				30		380	↓	↓										
ROT 18	2	0	2				50		390	↓	↓										
388	2	0	2						400	↓	↓										
ROT 18	2	0	2				50		410	↓	↓										

MINERAL RESOURCES DIVISION  
ASSESSMENT REPORT  
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ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY				
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn
412 292-495ft Latite to basite Composition Volcanic Sediment (Tuff)		20	2						420	1% pyrite disseminated		410-450ft (25-137) wt  1% 0.5-1mm								
427-429ft (130.1-130.7m) Slightly darker Tuff band CI 25		20	2						435	↓		Buff kaolin clay dissem. throughout and rotated into cleavage								
		20	2						440	↓										
		20	2						450	↓										
		20	2						460	↓										
		20	2						470	↓										
		20	2						480	↓										

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ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silice - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
	2	0	2					25	480	1% pyrite dissem.											
495-510 ft (150.9-155.4m) Dark gray black aphanitic Volcanic tuffaceous sediment almost a mudstone	2	0	2	50 ft 50 ft					490	1% pyrite blebs		2% total sulphides									
as 289-292 ft (88.1-90.6m)	2	0	2					25	500												
									510				510								
												END OF HOLE 510 feet									
									520												
									530												
									540												
									550												

MINERAL RESOURCES BRANCH  
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N.T.S. MAP GRID: 92 G 11 E

# CANEX PLACER LIMITED

(5499 247 N)

LOCATION: STANWAMS RIVER

BEARING: 270° T

LATITUDE: 0+17 N

PROPERTY: HOPKINS V159

HOLE No.: 79-2

DATE COLLARED: 23/8/79

LENGTH: 203 feet (62.2m)

DEPARTURE: 2+53 W  
(946 250 E)

CORE SIZE: BQ WL

SHEET No.: 1 of 5

DATE COMPLETED: 26/8/79

DIP: -60°

ELEVATION: 707 Meters

SCALE OF LOG: 1 inch = 10 feet

LOGGED BY: F.D. CLENBENA

DATE: 26/8/79 - 1/11/79

ROCK TYPE AND TEXTURES	Carb. (%)	Carbonate %	Silica - Ind (3)	Contacts	Veins	Faults	Bedding	Cleavage	Rock Type Structure	GRAPHIC LOG Footage	Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY				
																		SAMPLE No.	Pb	Zn	Ag	Pb + Zn
0-74 feet (0-22.6m) glacial overburden.										0												
										10				OVER BURDEN 0 to 74 feet								
										20												
										30				Hole drilled to check cause of ground magnetometer survey anomaly								
										40												
										50												
										60												

MINERAL RESOURCES TRADING  
AGENCY REPORT  
**7671**

# CANEX PLACER LIMITED

Y-159

HOLE No: 79-2 SHEET No: 2 of 5

ROCK TYPE AND TEXTURES	Carb. (%)	Carbonate %	Silica - Ind. (%)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITE	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
									70			OVER BUNDEN TO 74 feet									
74-80 feet (22.4 - 24.4 m) Rhyolite Tuff		14.0	2						80	No		No magnet	74								
fine grained pink to buff with 20% mottled brown chlorite alteration CI 10-15		14.0	2				40		90	↓		↓									
80-92 feet (24.4 - 28.2 m) Rhyolite to latite tuff 1-2 mm grains CI 15		11.0	2				60		100	↓		↓									
93-95 feet (28.2 - 29.3 m) pervasive chlorite alteration		14.0	2				50		110	↓		↓									
		14.0	2				30		120	↓		↓									
122-149 feet (37.2 - 45.4 m) latite tuff 1-3 mm grains CI 20		12.0	2				50		130	↓		↓									

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# CANEX PLACER LIMITED

V159

HOLE No: 79-2 SHEET No: 3 of 5

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
122-149ft (37.2 - 45.4 m) Latite tuff	2	0	2				80	50	140	No											
	2	0	2				80		150	No											
149-154ft (45.4 - 46.9 m) Bleached tuffaceous Volcanic sediment 1-3mm grains CI 5-10	1	0	2				80		160	(46.9 - 49.1 m) 154-161ft Slightly											
154-161ft (46.9 - 49.1 m) Fine grained (1-2mm) Latite tuff CI 15-20	2	0	2				80		170	Magnetic 18%		Magnetite									
161-283 feet (49.1 - 86.3 m) Latite to dacite volcanic sediment, Tuff CI 20-25	2	0	2				80	50	180	161-200ft (49.1 - 61 m) Slightly magnetic increasing gradually		18% Magnetite to									
1-4mm grains Mottled appearance due to chlorite patches 2-5mm in diameter	2	0	2				80	50	190	to moderately magnetic		38% Magnetite									
becomes almost granitic in appearance towards end of hole. 18 250 to	2	0	2				80		200	↓											
283ft area. (76.2 - 86.3 m)	2	0	2				80	50	200	↓											

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ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITE	ASSAY				
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn
	2	0	2						200-263 ft (1-56.3m) moderately magnetic											
	2	0	2						210	3% magnetic No pyrite										
	2	0	2						220											
	2	0	2						230											
1-3% Volcanic lithic fragments	2	0	2						240											
	2	0	2						250	26.2 m										
	2	0	2						260	4% magnetic										
	2	0	2						270	4% magnetic		Specimen from 263 ft								

MINERAL PROCESSING BRANCH  
ANALYSIS REPORT  
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# CANEX PLACER LIMITED

V159

HOLE No.: 79-2 SHEET No.: 5 of 5

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	Rock Type Structure	Footage	Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY							
																		SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO		
277 161-283 feet (49.1 - 86.3 m) Latite to dacite, Volcanic effaceous sediment 280 283 289								40						2-3% Magnetite	280 281 283										
														END OF HOLE 283 feet											
														Magnetite from 161 to 283 feet would explain surface mag. anomaly											

MINERAL PROCESSING BRANCH  
ANALYTICAL REPORT

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No.

N.T.S. MAP GRID: 92 G 11 E

# CANEX PLACER LIMITED

(5499360 N)

HOLE No.: 79-3

LOCATION: SIWANUS RIVER

BEARING: 45° T

LATITUDE: 31° 56' N

PROPERTY: HOPKINS

SHEET No.: 1 of 2

DATE COLLARED: 28/8/79

LENGTH: 102 feet (31.1m)

DEPARTURE: 6427 W

CORE SIZE: BQ WC

LOGGED BY: A.D. Clendenan

DATE COMPLETED: 29/8/79

DIP: -60°

ELEVATION: 775 M

SCALE OF LOG: 1 inch = 10 feet

DATE: 29/8/79 ; 11/10/79

ROCK TYPE AND TEXTURES	Carb. (%)	Carbonate %	Silica - ind (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage	Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY						
																	SAMPLE No.	Pb	Zn	Ag		Pb + Zn	Zn/Pb RATIO
									0-10				OVER BURDEN 0 to 36 feet;										
									10-20				Mineralized float found near drill site;										
									20-30				Hole drilled to check cause of anomaly found during ground magnetometer survey.										
									30-40														
30 to 102 ft (11 - 31.1 m)		2	0	3					40-50				Moderately magnetic 40-102 feet 3% magnetic	40	99								
Laticite to basite composition. Volcanic tuffaceous sediment 1-2 mm grains sub angular.		2	0	3				50	50					46	99								
the 1-2mm grains are predominantly quartz with minor plagioclase feldspar.		2	0	3				50	50-60				No pyrite or other sulphides seen	53.5	99								

NO. **7671**

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind.(3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
60-95 ft. (18.3 - 29m) 3 Chlorite Qtz veins 1 mm thick.	2	0	3					50	60				63.5								
per 10cm locally and average 1 per 10cm angles 50 to 90° and cross cut each other	2	0	3					50	70				73.5								
	2	0	3					50	80				80								
	2	0	3					50	90				90								
	2	0	3						100			SPECIMENS at 100 ft.	100								
									110			END OF HOLE 102 feet.	102								

MINING ENGINEERING ASSOCIATION REPORT

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PLACER DEVELOPMENT LIMITED

N.T.S. MAP GRID: 92 G 11 E

LOCATION: INDIAN RIVER

DATE COLLARED: 30 JUL 1979

DATE COMPLETED: 3 SEPT 1979

BEARING: 045° T

LENGTH: 493 ft (150.3m)

DIP: -65°

LATITUDE: 0°25' N  
 (5498617 N)  
 DEPARTURE: 1793E  
 (5498515 N)  
 ELEVATION: 810 METERS

PROPERTY: V159 HOPKINS

CORE SIZE: 80 W.C.

SCALE OF LOG: 1 INCH = 10 FEET

HOLE No.: 79-4

SHEET No.: 1 of 8

LOGGED BY: A.D. CLENDENAN

DATE: 3/9/79 12/10/79

ROCK TYPE AND TEXTURES	Carb. (%)	Carbonate %	Silica - Ind (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (G)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY							
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO		
									10														
									20														
									30														
									40			OVERBURDEN 0 to 45 feet (0 - 14.6 m)											
									50			This hole was drilled for the purpose of testing the value of the report of H. Hopkins, 1971.											
493-493 ft (sub 150.3 m) Latite composition Volcanic Sediment Tuffaceous quartz 1-3 mm sub rounded quartz									60			110 Quartz lenses Micro porphyry group. Sub- specimen from 66 feet											

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# CANEX PLACER LIMITED

V-159

HOLE No.: 79-4 SHEET No.: 2 of 8

ROCK TYPE AND TEXTURES	Carb. (%)	Carbonate %	Silica - Ind. (%)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
(18.3 - 21.3m) 60-70ft more granular - 2-4mm grains - quartz flood area.		20	3	granular					60	No		Specimen from 66ft	66	95							
71 48-165ft moderate biotite alteration (14.6 - 50.3m)		20	3				70		70	No			76	99							
80 biotite alteration weak near quartz veins  chlorite alteration.		20	3						80	No											
95 more prominent near quartz veins		20	3				70		90	No											
105 Cor 2		20	3	med grain flood					100	No											
120 Cor 3									110	No											
130 Cor 4									120	No											
									130	No											

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# CANEX PLACER LIMITED

V-159

HOLE No.: 79-4 SHEET No.: 3 of 8

ROCK TYPE AND TEXTURES	CarA (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure %age Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
150-142 ft (39.6 - 13.3m) aphanitic dark gray to black volcanic sediment almost mudstone.	2	0	2	fine dark					140	No		specimen for 139 ft									
	2	0	3	fine dark			70		150	↓											
	2	0	3						160	↓											
165-270ft (50.3 - 82.3m) Latic composition Volcanic	2	0	2				70	70	170	↓											
Tuffaceous Sediment with chlorite alteration	2	0	2						180	↓											
166-178 - slightly bleached. (50.6 - 54.3m)	2	0	2				70	70	190	↓											
	2	0	2						200	↓											

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# CANEX PLACER LIMITED

V-159

HOLE No.: 79-4 SHEET No.: 4 of 8

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Footage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pt RATIO
	20	24						45	210	1											
	20	24						55	220	Tr pyrite											
	20	24							230	225-228 Fe 1/2% dissemin pyrite		Specimen from 225 ft									
	20	24						55	240	Tr pyrite											
165-270 ft (50.3-82.3 m) Latite Composition	20	24							250			No BOX 9									
Volcanic Tuffaceous Sediment with weak	20	24						55	260												
Chlorite Alteration aphanitic C120	20	24							270												

MINERAL PROCESSING

# 7671



ROCK TYPE AND TEXTURES	GRAPHIC LOG								SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY								
	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage							Rock Type Structure	Footage	Mineralization Type (6)	SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345	270-275 280-285 290-295 300-305 310-315 320-325 330-335 340-345						
270-295 295-315 315-335 335-350		20 20 20				40 40 50		270-285 285-295 295-315 315-335 335-350		291-295 318-319 323-325													
295-315 315-335 335-350		20 20 20				40 40 50		291-295 318-319 323-325		1% disseminated pyrite 2% pyrite 2-3% pyrite													
315-335 335-350		20 20				40 40		318-319 323-325		2% pyrite 1-2 mm blebs - rounded into cleavage													
335-350		20				40		323-325		2-3% pyrite 3-5 mm blebs Some euhedral													
350-380		20				40				Slightly magnetic (1% mag)													

MINERALOGICAL DEPARTMENT  
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# CANEX PLACER LIMITED

V-159 HOLE No: 79-4 SHEET No.: 6 of 8

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG Rock Type Structure Cleavage Mineralization Type (6)	SULPHIDE MINERALIZATION	Est. Grade	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
									350	Weak to moderately magnetic 1-2% magnetite											
									360			specimen from 355 ft									
									370												
									380			378-384 ft Something on core reduces wearability									
									390												
									400			pyrite from Trace to 1% 290 to 493 ft except as noted									
									410			404-405 ft 3% pyrite 5-5 mm blebs									

MINERAL ENGINEERING BRANCH  
ASSAY REPORT

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# CANEX PLACER LIMITED

V 159

HOLE No: 79-4 SHEET No.: 2 of 8

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Contacts	Veins	Faults	Bedding	Clearage	GRAPHIC LOG Rock Type Structure	FOOTAGE	MINERALIZATION	EST. GRADE	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY					
																	SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO
										470			Split 410-470									
										420	Chalco? 128m											
50-100 430ft possible gcz reheat fault 5cm gcz.								40		430	429-432 ft 2-3% pyrite blebs		Split 420-470									
434 435-438ft (132.6-133.5) slightly bleaching and 65° hair line gcz veins					50-80c 1mm					440	Chalco?		Split 430-470									
50-100 450								40		450			Specimen taken 450 ft									
										460												
								45		470	(1426-1460m) 468-479 ft		Split 465-470									
										480	2% pyrite Trace Chalco		Split 470-480ft									

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT

# 7671

# CANEX PLACER LIMITED V-159

HOLE No: 79-4 SHEET No: 2 of 2

ROCK TYPE AND TEXTURES	Carb. (3)	Carbonate %	Silica - Ind. (3)	Concretions	Veins	Faults	Bedding	Cleavage	GRAPHIC LOG	SULPHIDE MINERALIZATION	EST. GRADE	REMARKS	FOOTAGE BLOCKS	EST. CORE REC.	COMPOSITES	ASSAY						
																SAMPLE No.	Pb	Zn	Ag	Pb + Zn	Zn/Pb RATIO	
48-493 ft. (14.6 - 15.3 m) Latite Composition Tuffaceous Volcanic Sediment. locally Brecciated in composition where Holed		2.0	2						480 490 500			SPICE 480-485 ft										
												END OF HOLE 493 feet 150.3 meters	493									

MINERAL RESEARCH  
ASSOCIATES REPORT

# 7671

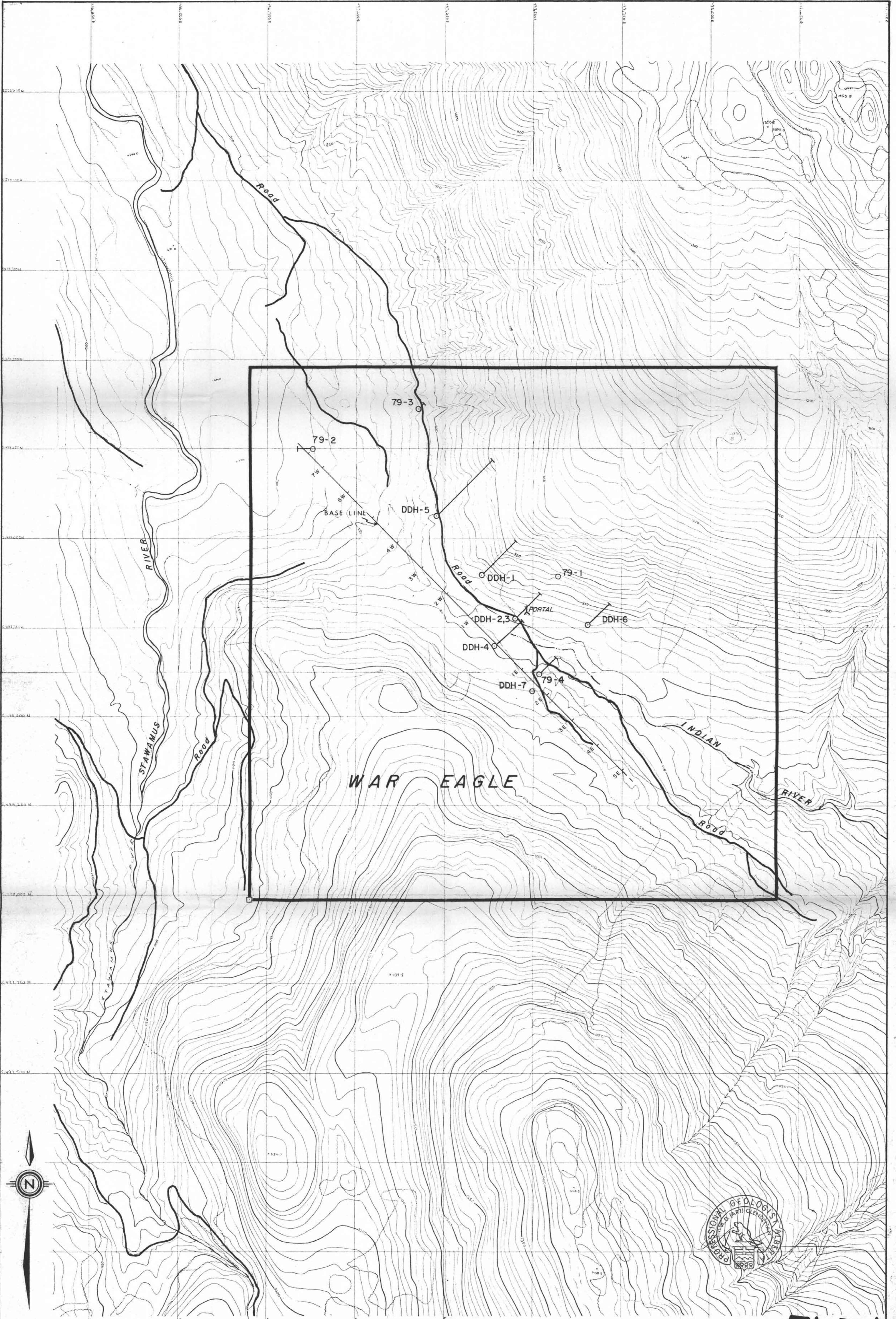
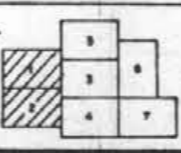


FIGURE NO. 3 **7671**

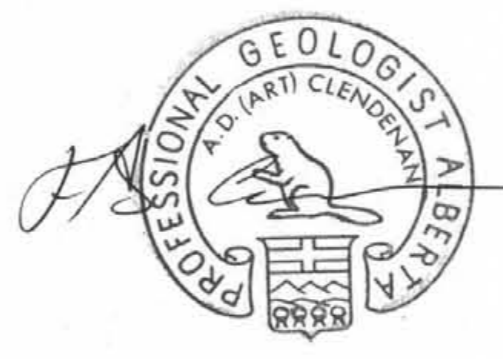
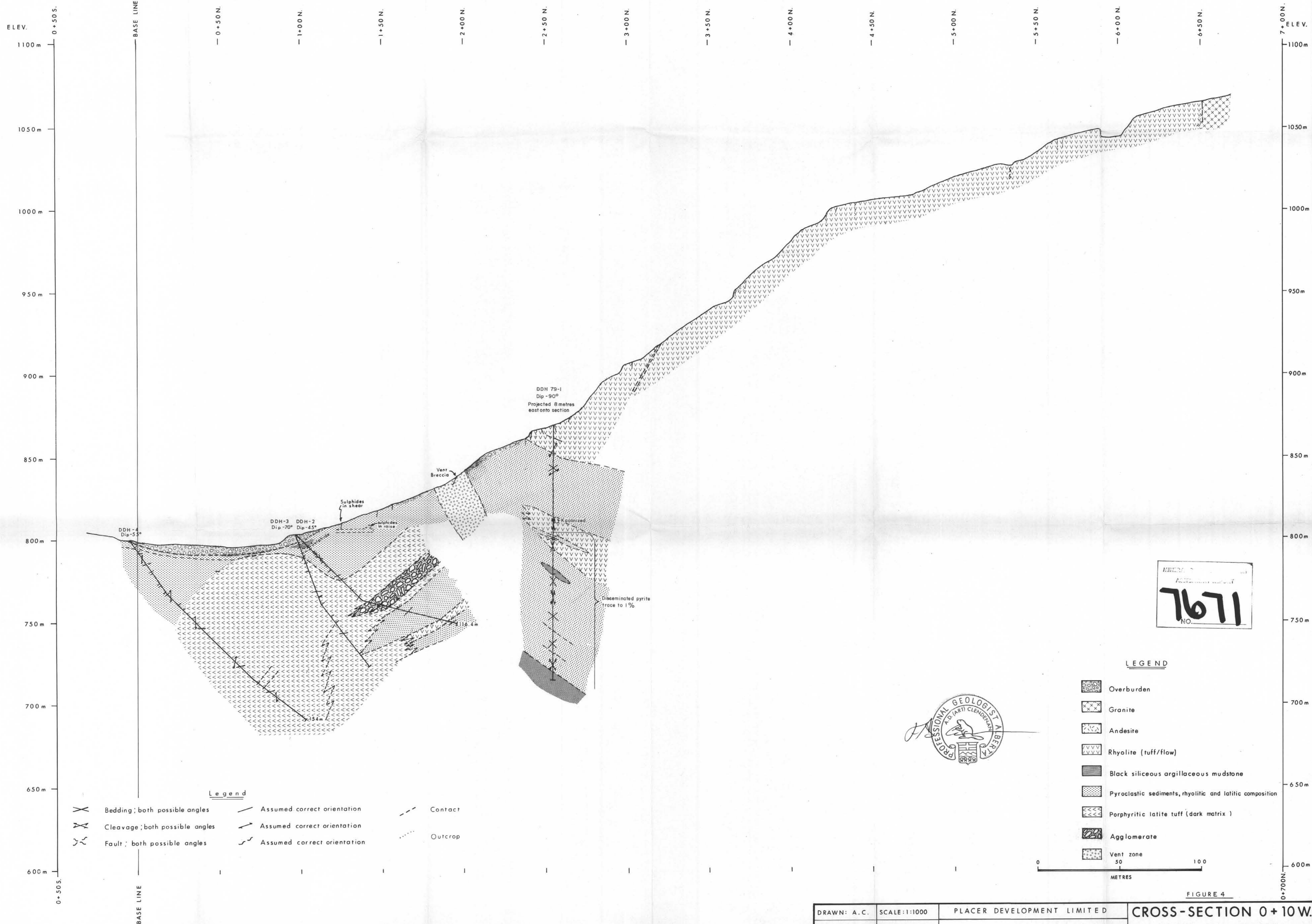
**NOTE:** WAR EAGLE CLAIM BOUNDARY ESTABLISHED BY B.C.L.S. SURVEY.



DRAWN: A. D. C.  
TRACED: J. L.  
N.T.S. 92 G II E

PLACER DEVELOPMENT LIMITED  
**HOPKINS**

WAR EAGLE CLAIM MAP AND DIAMOND DRILL HOLE LOCATIONS  
FILE NO. 78-12-V-159-1B-0022 OCT., 1979.

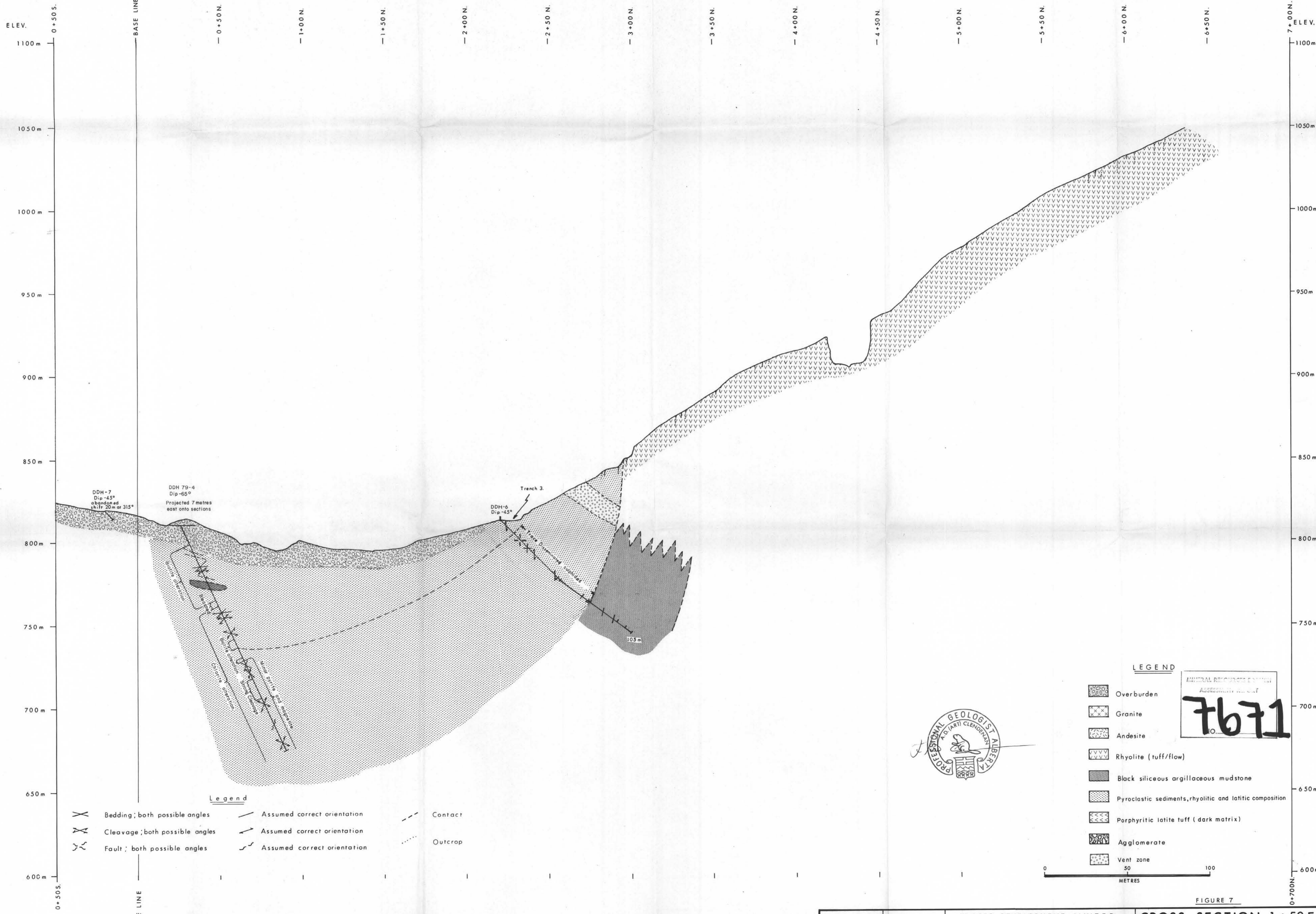


- LEGEND**
- Overburden
  - Granite
  - Andesite
  - Rhyolite (tuff/flow)
  - Black siliceous argillaceous mudstone
  - Pyroclastic sediments, rhyolitic and latitic composition
  - Porphyritic latite tuff (dark matrix)
  - Agglomerate
  - Vent zone

- Legend**
- Bedding; both possible angles
  - Cleavage; both possible angles
  - Fault; both possible angles
  - Assumed correct orientation
  - Assumed correct orientation
  - Assumed correct orientation
  - Contact
  - Outcrop

DRAWN: A. C.	SCALE: 1:1000	PLACER DEVELOPMENT LIMITED	<b>CROSS-SECTION 0+10 W.</b> LOOKING N.E. (315° T.) FILE REF. No.: 78-11-V-159-2B-0026
TRACED: A. K.	DATE: NOV., 1978	<b>HOPKINS V-159</b>	
APPROVED:	REVISED: OCT. 1979		

FIGURE 4

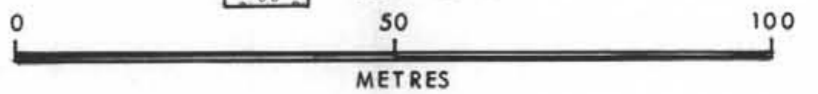


MINERAL RESOURCES DIVISION  
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- Legend**
- X Bedding; both possible angles
  - X Cleavage; both possible angles
  - X Fault; both possible angles
  - Assumed correct orientation
  - Assumed correct orientation
  - Assumed correct orientation
  - - - Contact
  - · · Outcrop

- LEGEND**
- Overburden
  - Granite
  - Andesite
  - Rhyolite (tuff/flow)
  - Black siliceous argillaceous mudstone
  - Pyroclastic sediments, rhyolitic and latitic composition
  - Porphyritic latite tuff (dark matrix)
  - Agglomerate
  - Vent zone



DRAWN: A. C.	SCALE: 1:1000	PLACER DEVELOPMENT LIMITED	<b>CROSS-SECTION 1+50 E.</b> LOOKING N. E. (315° T.) FILE REF. No.: 78-11-V-159-2B-0027
TRACED: A. K.	DATE: NOV., 1978	<b>HOPKINS V-159</b>	
APPROVED:	REVISED: OCT. 1979		

FIGURE 7

1291

MINERAL  
ASSESSMENT

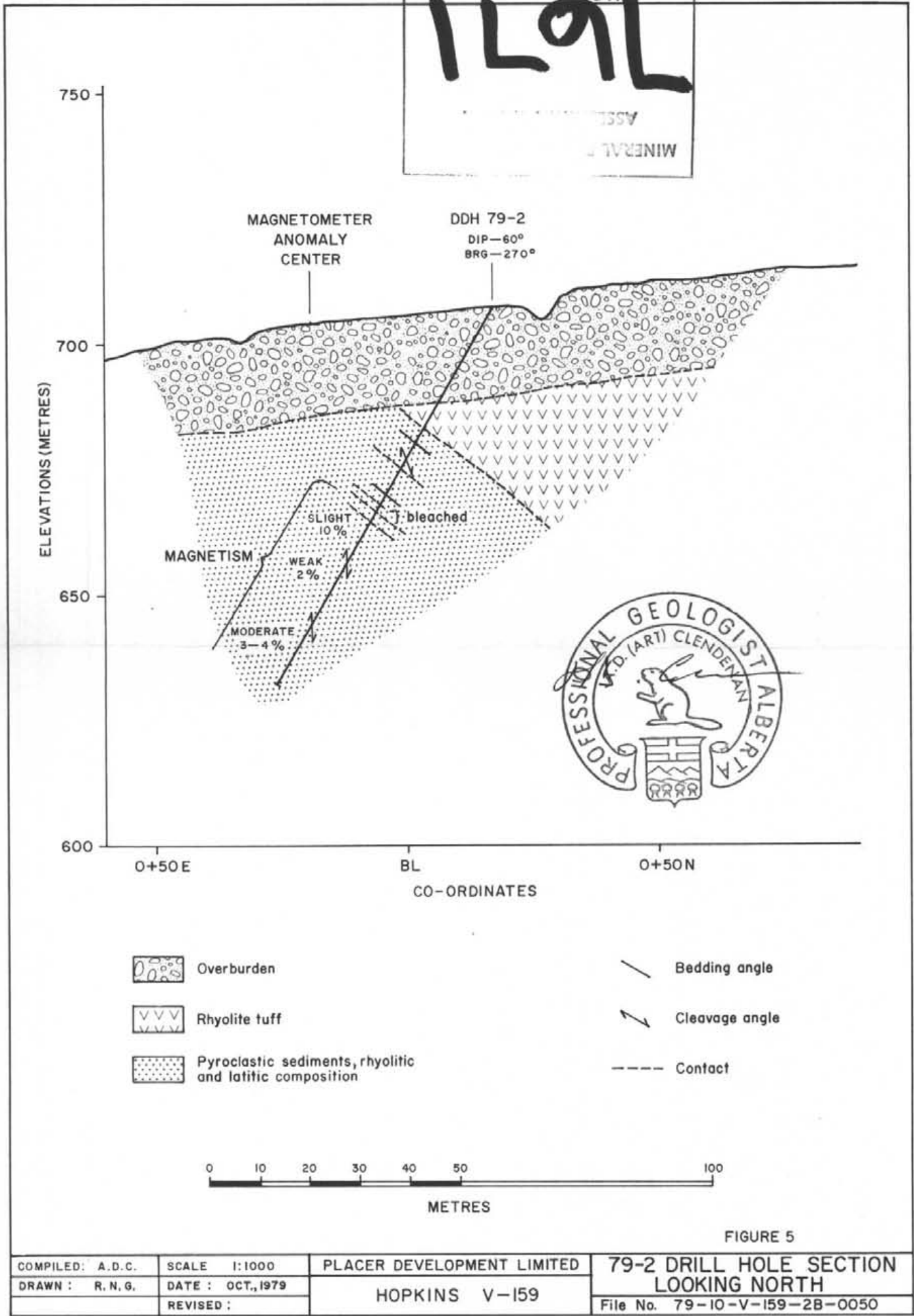


FIGURE 5

COMPILED: A. D. C.	SCALE 1:1000	PLACER DEVELOPMENT LIMITED	79-2 DRILL HOLE SECTION LOOKING NORTH
DRAWN: R. N. G.	DATE: OCT., 1979	HOPKINS V-159	File No. 79-10-V-159-2B-0050
REVISED:			



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**7671**  
NO.

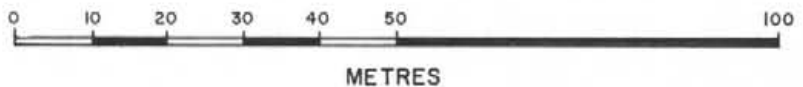
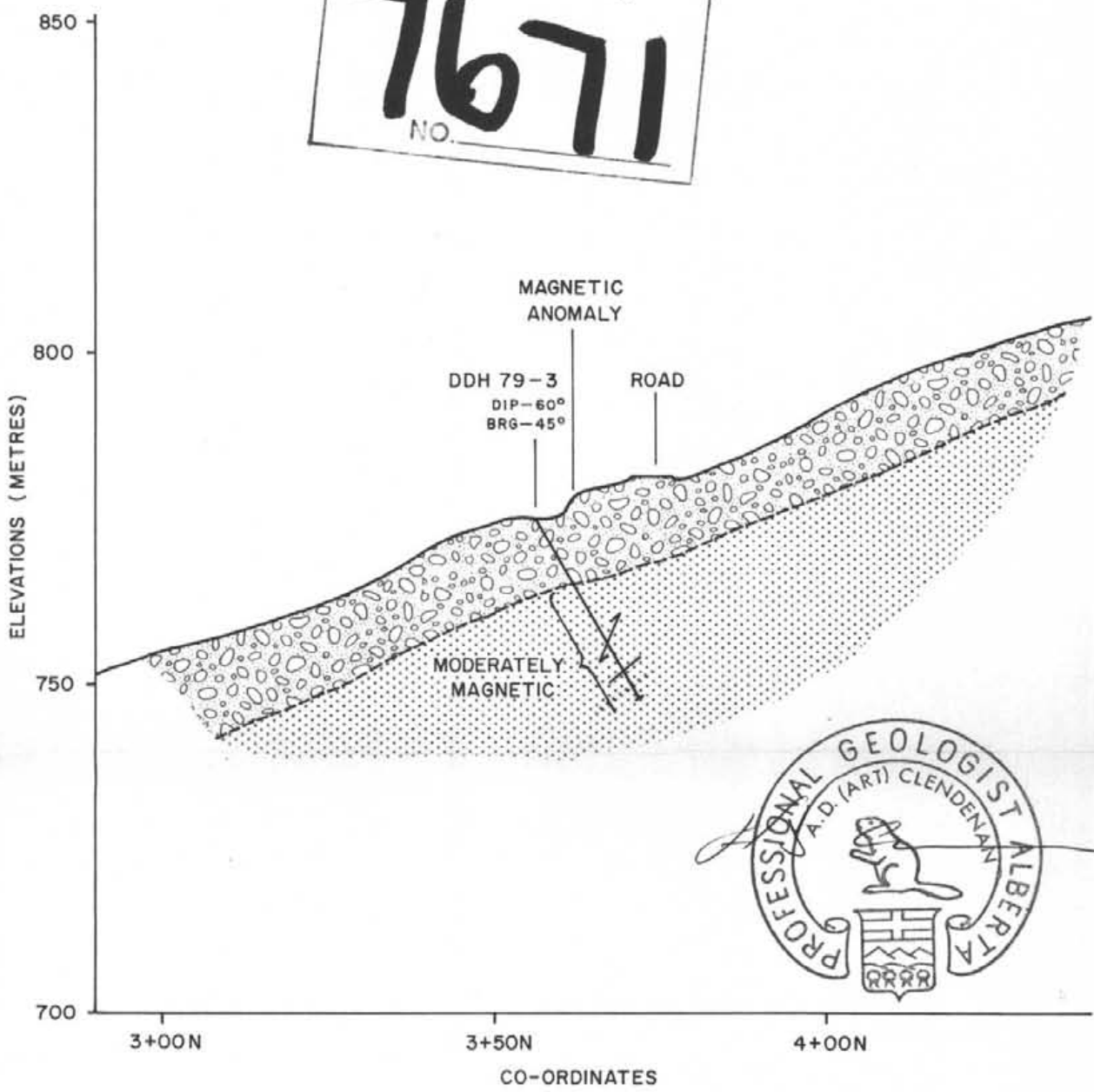


FIGURE 6

COMPILED: A.D.C.	SCALE 1:1000	PLACER DEVELOPMENT LIMITED	CROSS-SECTION 6+27 W LOOKING N.E. (315°)
DRAWN: R.N.G.	DATE: OCT., 1979	HOPKINS V-159	
	REVISED:		File No. 79-10-V-159-2B-0051