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GEOLOGICAL AND MAGNETIC  
ASSESSMENT REPORT

ON THE  
DIK AND DOK MINERAL CLAIMS  
(50°15'N; 126°02'30"W)  
NTS 92L/1E & 8E  
SAYWARD, B.C.  
NANAIMO MINING DIVISION

by

B. TAYLOR

for

G.A. NOEL, H.M. JONES, R. WALLER, B. TAYLOR

February 22, 1980

G. A. NOEL AND ASSOCIATES  
CONSULTING GEOL  
VANCOUVER, B.C.

8190

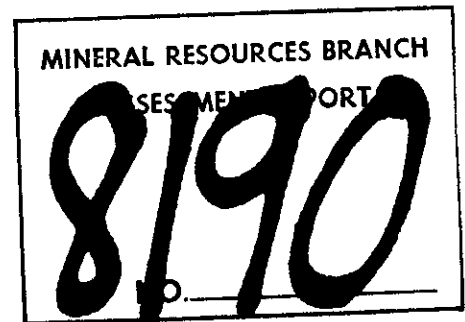
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## INTRODUCTION

The DIK property is composed of twelve units along the upper Adam River in the Nanaimo Mining District. They were staked by the writer in 1979 to cover an old mineral occurrence.

## OWNERSHIP

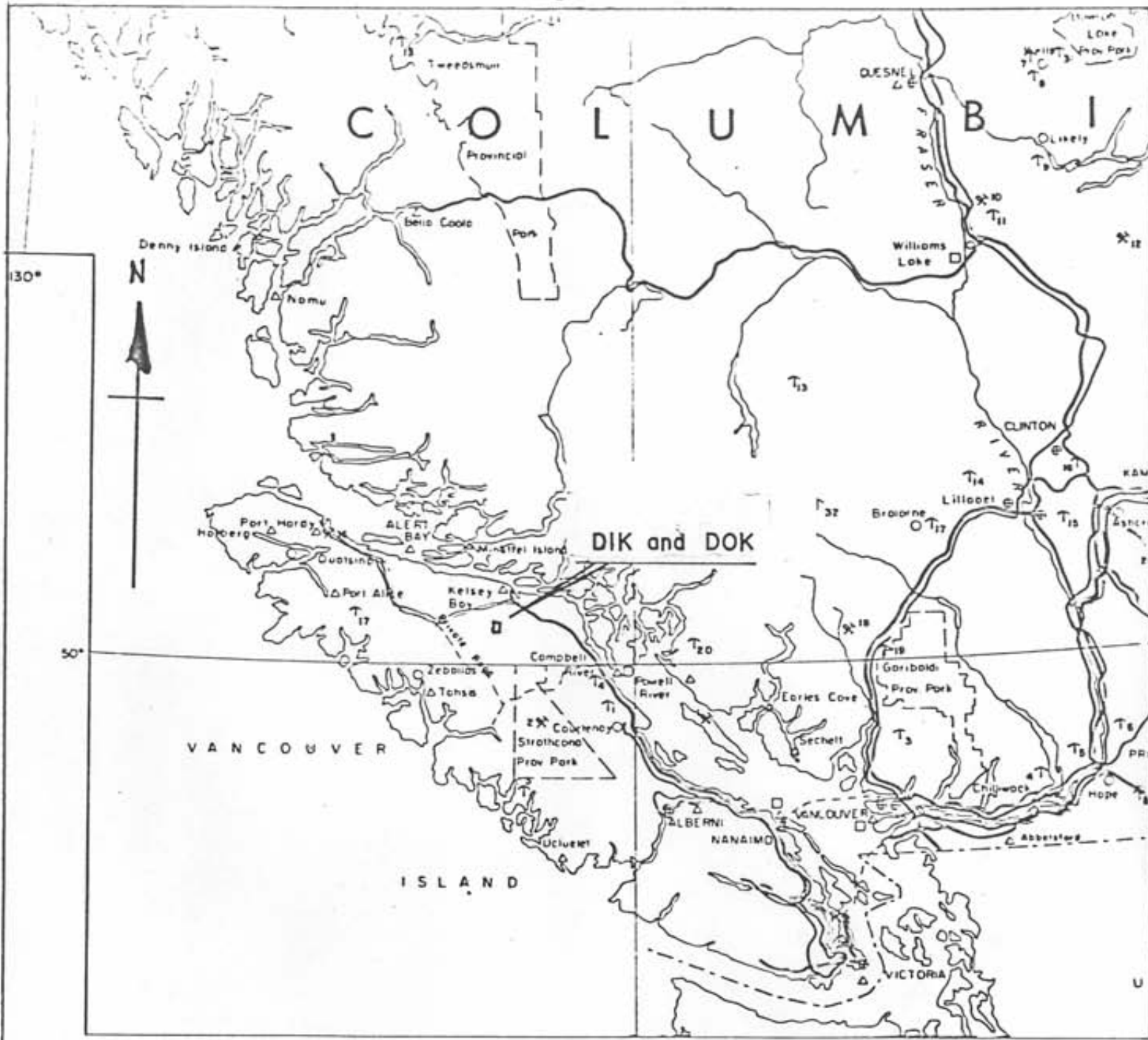
The contiguous claims are in the Nanaimo Mining District and are recorded at the Gold Commissioners office at Nanaimo, B.C. in the name of B. Taylor.

<u>Claim</u>	<u>Units</u>	<u>Record No.</u>	<u>Staking Date</u>	<u>Record Date</u>
DIK	8	345	Feb. 27, 1979	March 12, 1979
DOK	4	395	May 22, 1979	May 31, 1979

## LOCATION AND ACCESS

The Adam River property straddles the upper Adam River 15 kilometres SSW of Kelsey Bay in the northeastern part of Vancouver Island. Map co-ordinates are 50°51'N; 126°02'30"W. N.T.S. 92L/1E & 8E.

Access from the port of Nanaimo is via Highway 19 for a distance of 240 kilometres to the junction with the Adam River logging road, thence south seven kilometres to the DIK claim showing at the confluence of a small westerly-flowing tributary (Camp Creek) with the main stream. The elevation is approximately 500 metres above sea level. Year round access is good, although snow-ploughing of the logging road portion would be required at times during winter.



125°

FIGURE 1

LEGEND

- PRODUCING MINES..... \*
- PROSPECTS..... T
- AIRCRAFT CHARTER..... Δ
- HELICOPTER CHARTER..... □
- SUB RECORDERS OFFICES..... ○
- MINING RECORDERS OFFICES..... ●
- PROVINCIAL BOUNDARIES..... - - - - -
- PARK BOUNDARIES..... - - - - -
- RAILROADS..... ————
- ROADS..... .....

LOCATION MAP

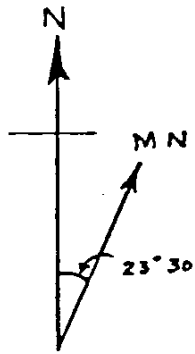
DIK AND DOK CLAIMS  
ADAM RIVER  
NANAIMO MINING DIVISION, B.C.

Scale 1 : 3 200 000

Miles 20 0 20 40 60 80 100 Miles

25 0 50 100 150 Kilometres

NTS 92 L



NOTE

- ① Base map adapted from Ministry of Mines and Petroleum Resources maps M92L/8E and M92L/1E
- ② Logging roads sketched from Dept. of Lands, Forests & Water Resources aerial photos taken Aug 1, 1967 No's B.C. 5260-062 and 063

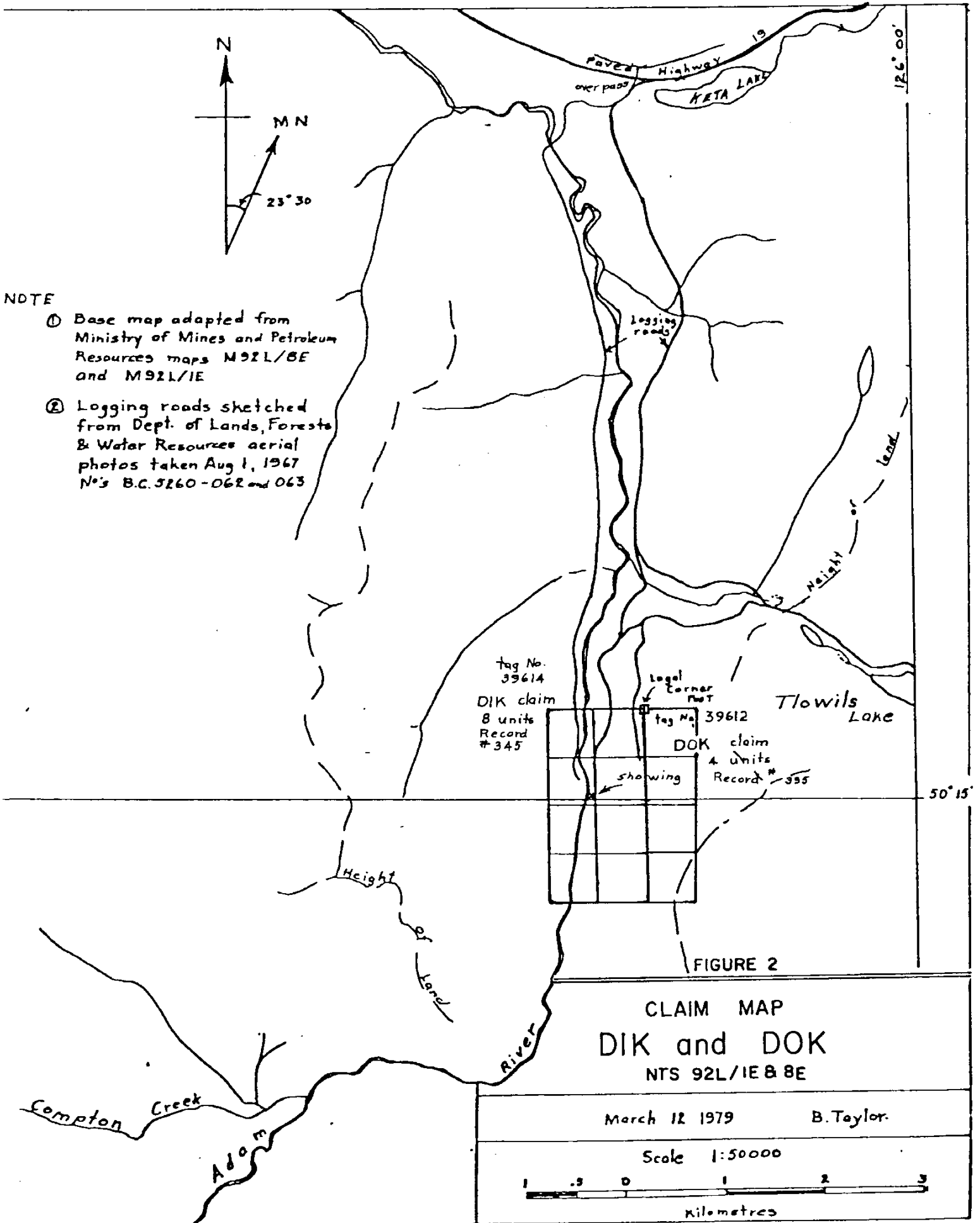


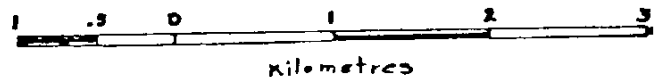
FIGURE 2

CLAIM MAP  
DIK and DOK  
NTS 92L/1E & 8E

March 12 1979

B. Taylor.

Scale 1:50000



## EXPLORATION

Records of previous work although sketchy in some details, were obtained and as far as practicable incorporated into the body of this report.

The 1979 work consisted of geologically mapping and sampling of the showing and a magnetometer survey of the immediate area. The results of this work are shown on Figures 3 and 4.

The geologic mapping was done on a scale of 1:250 by G.A. Noel and covered a 50m x 100m area. The sampling was done by B. Taylor. Four of six chip samples were taken over the exposed mineralization with a rock hammer. It did not cover the full width where the mineral crossed into the stream bed.

The results are:

<u>Sample No.</u>	<u>Width (m)</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>% Cu</u>
86276	1.83	.058	.60	1.66
86277	2.44	1.298	.72	.93
86278	2.44	.042	.28	.69
86280	2.44	.192	.91	1.89

The main mineralized zone on the east side of Adam River was traced for 57 metres with an average width of about two metres. It strikes N10°W and dips about 80° to the west. An iron-rich spring to the south of the southernmost exposure of the zone indicates that the zone probably extends at least 15 metres further south. It can probably also be traced down river for at least 30 metres for a probable total length of at least 100 metres.

The mineralized zone is a silicified, in places skarny, vein in

Upper-Triassic limestone of the Quatsino Formation. The zone is variably mineralized with pyrite, pyrrhotite and chalcopyrite and is marked by rusty weathering at the surface. The four chip samples taken during this examination showed an average assay over the main zone of 1.27% Cu; 0.63 oz/ton Ag; and 0.42 oz/ton Au across 2.29 metres.

From the previous work on the property there would appear to be at least three more veins, parallel to the main zone on the west side of the Adam River. These veins all show interesting gold, silver and copper values according to the earlier sample results as shown on the included map. (Figure 3).

#### MAGNETOMETER SURVEY

From December 7 - 11th, 1979 inclusive, a small magnetometer survey was carried out because of the presence of magnetic minerals.

An area 250 x 350 metres, covering the main showing and its vicinity was marked with a grid system of lines 60 metres apart, with a station spacing of 15 metres along the lines. A total of 1.5 line kilometres was thus established. A rented McPhar 700 flux gate magnetometer was used to measure the strength of the vertical component of the earth's magnetic field at each station.

To maintain relative magnetic measurements, a base station was designated at a conveniently accessible spot and a base line established along the main logging road. (There was very little traffic). This line was traversed and magnetic readings taken four times during the course of the survey, and each station eventually assigned an averaged value. The stations on the grid lines were magnetically measured as rapidly as possible with the one base line station so occupied serving



to eventually adjust the level of readings for the whole line.

The corrected readings are plotted on the ground magnetic map, Figure 4. As it turned out, the large majority of the readings were in the negative range of the instrument. As the readings are relative only, this is of no consequence to the shape of the magnetic field.

The mineralization is only subtly indicated. Two anomalously high readings were obtained. There is a small kink in the -1000 gamma contour which coincides with the exposed mineral, the strike of which appears to be nearly due north-south. No indication of length can be inferred.

The shape of the contours, and supplemental geological observations, suggest the limestone is 120 metres wide in the area.

#### CONCLUSIONS AND RECOMMENDATIONS

From these brief surveys it would seem that the main vein could probably be traced to the south using closely spaced soil sampling and either an E-M or self potential survey. Additional geologic mapping should be done north and south along the main zone as well as to the west to pick up the parallel veins across the Adam River. Further prospecting is also warranted to the east to check occurrences of mineralized limestone and volcanic float seen on logging roads on the DIK claim.

*B. Taylor.*

B. TAYLOR, P.Eng.

A P P E N D I X A

Certificate

CERTIFICATE

1, Bertram Taylor, of the district of North Vancouver, Province of British Columbia, do hereby certify as follows:

1. I am a Geological Engineer resident at 1981 Hyannis Drive, North Vancouver District, British Columbia, V7H 2E5
2. I graduated from the University of Saskatchewan in 1941 with a Bachelor Degree in Geological Engineering.
3. I am a Professional Engineer registered in the Province of British Columbia, Registration No. 7879.
4. I have practised my profession for 37 years.
5. I have a one-quarter interest in the DIK and DOK mineral claims.
6. I staked the claims, and prospected on them at various times from February to December, 1979.

DATED at VANCOUVER, B.C. this 25th day of February, 1980.

  
BERT TAYLOR, P.Eng.

A P P E N D I X B

Certificate of Analysis



# CHEMEX LABS LTD.

217 BROOKBANK AVE  
 NORTH VANCOUVER, B.C.  
 CANADA V7V 2C1  
 TELEPHONE 294-1221  
 AREA CODE 604  
 TELEX 043 52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO: G. A. Noel  
 622 - 510 W. Hastings Street  
 Vancouver, B.C.  
 V6B 1L8

CERTIFICATE NO. 65266  
 INVOICE NO. 30351  
 RECEIVED May 25/79  
 ANALYSED May 31/79

SAMPLE NO. :	%	oz/ton	oz/ton
	Cu	Ag	Au
<del>67580</del>	5.09	0.32	0.005
86276	1.66	0.60	0.058
86277	0.93	0.72	1.298
86278	0.69	0.28	0.042
<del>86279</del>	0.12	0.04	< 0.003
86280	1.89	0.91	0.192
86281	0.03	0.01	< 0.003

### SAMPLE DESCRIPTION NOTES

Number	Type	Width (m)	Description
86276	Chip	1.83	Extends 1.2 metres into river - erratic sulphides in silicified limestone
86277	"	2.44	Erratic pyrite, chalcopyrite & pyrrhotite in silicified limestone
86278	"	2.44	Spotty sulphides across zone at adit - limestone somewhat skarny
86279	"	2.44	Contiguous with #86278 - minor sulphides above portal in skarny limestone
86280	"	2.44	Upper showing in skarny limestone - rather erratic distribution of pyrite, pyrrhotite & cpy.
86281	Grab	-	Mineralized float (pyrite & pyrrhotite) from Upper Adam River road

*R. L. Swait*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: [REDACTED] 984-0221  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

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 622 - 510 W. Hastings Street  
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 V6B 1L8

ATTN:

CERTIFICATE NO. 65266  
 INVOICE NO. 30351  
 RECEIVED May 25/79  
 ANALYSED May 31/79

SAMPLE NO. :		%		oz/ton		oz/ton	
		Cu	width (m)	Ag	Au		
67580	Mavb Cl.	5.09	9.16	0.32	0.005	30' chip - NE <sup>1/4</sup> dca. fine & spotty bgn in And	
86276	D.K Cl	1.66	1.83	0.60	0.058	6' chip across zone (4' into R.ry) erratic sulf	
86277	✓	0.93	2.90	0.72	1.298	8' " across zone @ River erratic py, cpy, pyro - sil	
86278	✓	0.69	"	0.28	0.042	8' " across zone at adit(?) - erratic " in sky ls	
86279	✓	0.12	"	0.04	< 0.003	8' " contiguous w 86278 - minor sulf also present	
86280	✓	1.89	"	0.91	0.192	8' chip - top shug in sky ls - erratic py, poq	
86281	✓	0.03	"	0.01	< 0.003	Grab sl of rubble on Upper Adm Road mineralized float (py, st, ch)	



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

*B. L. Swait*

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

A P P E N D I X C

Expenditures

EXPENDITURES

May 22, 1979

Wages

G. Noel - 1 day @ \$200/day	\$200.00
B. Taylor - 1 day @ \$200/day	200.00

Expenses

Chemex Labs Limited. 6 samples analyzed for Au, Ag, Cu @ \$14.00	84.00	\$ 484.00
------------------------------------------------------------------------	-------	-----------

December 7 - 11, 1979

Wages

Y. Fortin - 2 days @ \$50/day 4653 W. 11th Ave. Vancouver, B.C.	\$100.00
B. Taylor - 5 days @ \$200/day 1981 Hyannis Dr. North Vancouver, B.C.	1,000.00

Expenses

Magnetometer (M700) Rental (2 week min.)	175.00	
VW Camper mileage 642 miles @ 20¢/mi.	128.40	
PWA ticket (Campbell River/Vancouver)	31.30	
Taxi (airport to 4653 W.11th)	10.00	
Ferry (Horseshoe Bay-Nanaimo return)	26.00	
Hotel Accomodation (Campbell River & Sayward)	138.55	
Food	38.59	
Supplies (Lath & Crayons)	6.43	1,654.27
Report Preparation		<u>300.00</u>
		<u>\$2,438.27</u>

*B. Taylor.*  
B. TAYLOR, P.Eng.



A P P E N D I X D

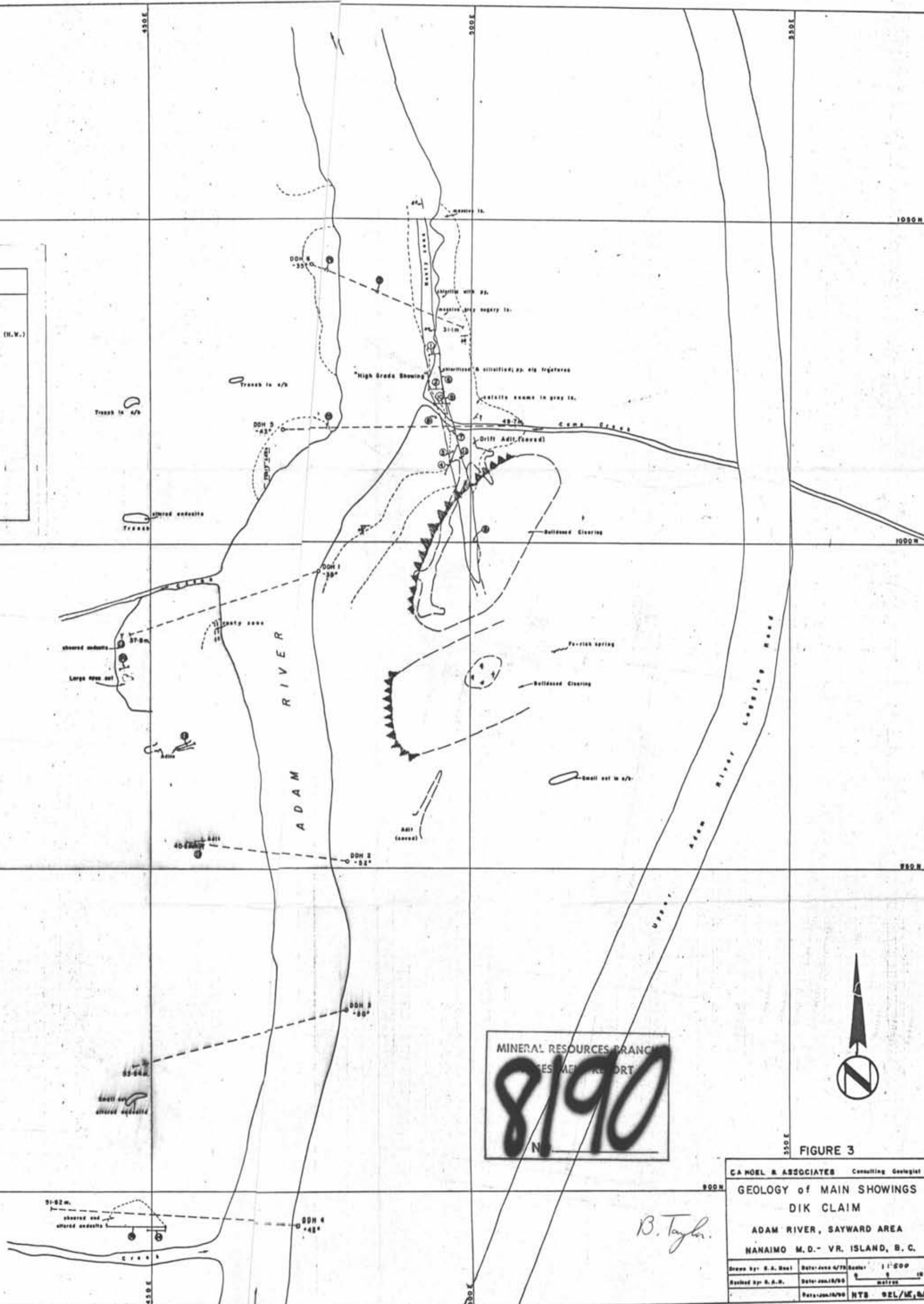
References

## REFERENCES

1. Minister of Mines Reports 1919, 1926, 1927 & 1930.  
"Lucky Jim Group".
2. W.J. Weymark, P.Eng.  
Data compilation, February 1968.

TABLE OF ASSAYS

Number	Sampler	Date	Type	Width (metres)	Au oz/ton	Ag oz/ton	Cu %	Remarks
1	B. Taylor	May/79	chip	1.83	0.058	0.60	1.66	East zone
2	"	"	"	2.44	1.298	0.73	0.93	" "
3	"	"	"	2.44	0.042	0.28	0.69	" "
4	"	"	"	2.44	0.003	0.04	0.12	East zone (H.W.)
5	"	"	"	2.44	0.192	0.91	1.89	East zone
6	W.M. Taylor	1959	dump	-	0.85	0.73	3.07	" "
7	"	"	chip	1.22	0.07	1.40	3.79	" "
8	"	"	"	3.81	0.17	2.2	5.45	" "
9	"	"	"	3.66	0.03	0.05	0.36	" "
10	G.A. Dixon	1942	"	2.44	0.62	4.00	6.70	" "
11	"	"	dump	-	0.56	1.30	2.00	" "
12	"	"	grab	-	0.04	1.50	0.70	Well going
13	"	"	chip	1.22	0.10	2.50	5.40	" "
14	"	"	"	2.74	0.08	1.50	1.70	" "
15	Comino	1926	drill core	0.18	1.13	0.10	-	" "
16	"	"	"	0.31	0.50	Tr.	2.80	" "
17	"	"	"	0.21	0.04	0.14	0.92	" "
18	H.A. Oliver	1924	chip	9.14	0.09	0.03	-	" "
19	"	"	"	3.00	0.12	-	3.00	" "
20	"	"	"	1.50	0.75	2.00	4.00	" "



## LEGEND

- Limestone
- Volcanics
- Silicified zone or vein
- Sulphides - py, ps, cp, mg.

## SYMBOLS

- Outcrop
- Contact
- Bedding
- Diamond drill hole (Comino, 1926)
- Adit
- Trench
- Dump

FIGURE 3

CA MOEL & ASSOCIATES Consulting Geologist			
GEOLOGY of MAIN SHOWINGS			
DIK CLAIM			
ADAM RIVER, SAYWARD AREA			
NANAIMO M.D. - VR. ISLAND, B. C.			
Drawn by: S. A. Noel	Date: June 4/79	Scale: 1" = 500'	
Revised by: S. A. Noel	Date: Jan 18/80		
	Date: Jan 18/80	NTS	SEL/ME/BE

B. Taylor



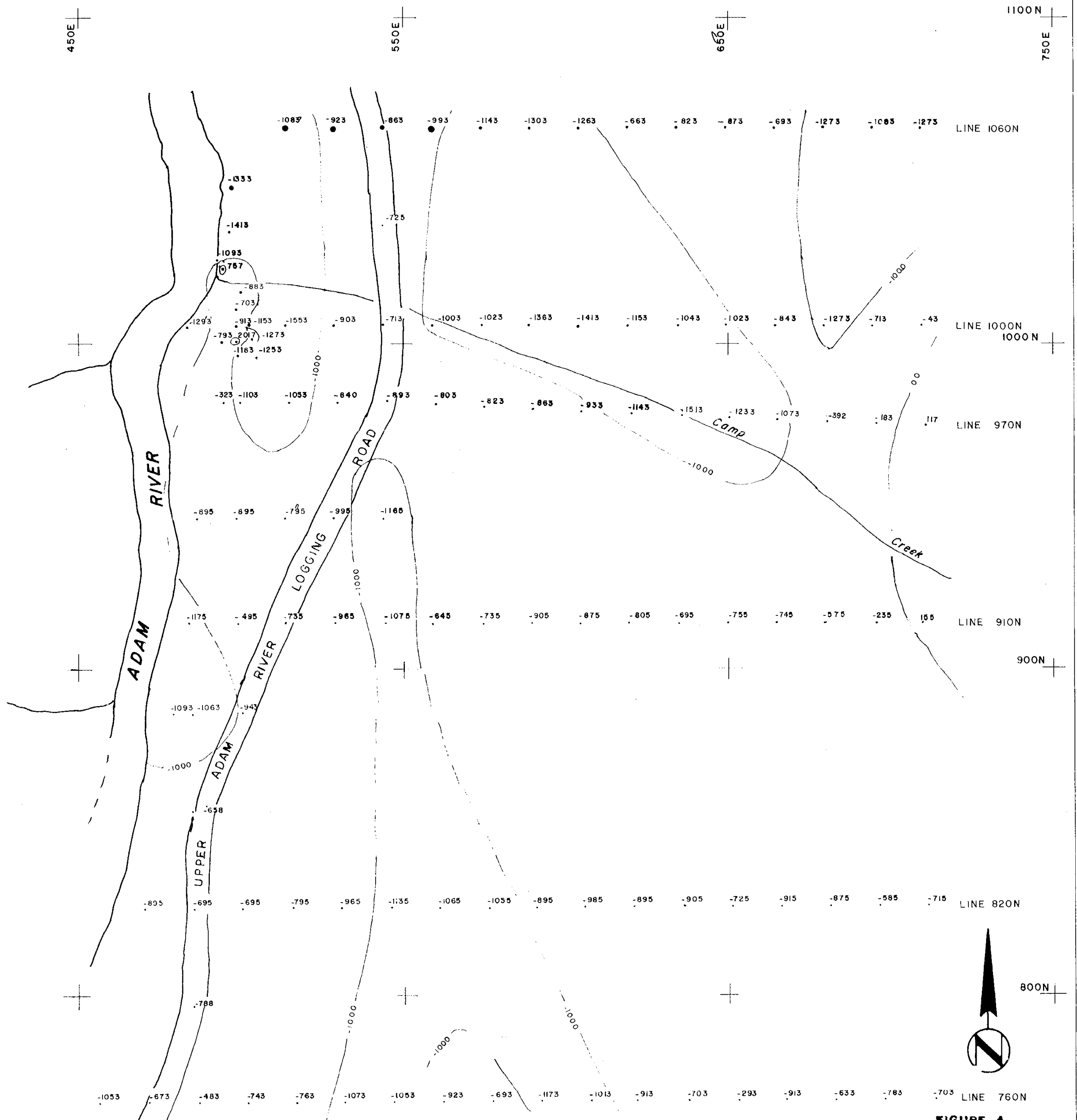


FIGURE 4

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8190**  
No.

*B. Taylor*  
Contour Interval 1000 gamma  
Arbitrary base level.

G. A. NOEL and ASSOCIATES - consultants  
GROUND MAGNETIC MAP  
DIK CLAIM  
ADAM RIVER, SAYWARD AREA  
NANAIMO M.D. - V.R. ISLAND, B.C.  
NTS 92L/1E & 9E  
Scale  
1:1000  
metres  
B Taylor Feb. 20, 1980