

DIAMOND DRILLING REPORT

ON

APRIL CLAIM

SITUATED IN THE

NECHAKO HILLS AREA

LATITUDE 53° 21'

LONGITUDE 124° 31'

N.T.S. 93 F/7A

HELD BY:

GRANGES EXPLORATION LTD.

900 625 - HOWE STREET

VANCOUVER, B. C.

V6C 2T6

APRIL 4, 1985

G. W. ZBITNOFF
(J.J. WILLIAMS)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,281

Prince George

Add on Pb, Zn, Ag to comments



Province of British Columbia Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) DIAMOND DRILLING	TOTAL COST \$15,030.35
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AUTHOR(S) ... JEANNE J. WILLIAMS ... SIGNATURE(S) ... *Jeanne J. Williams*
... GEORGE W. ZBINOFF ... *George W. Zbinoff*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED ... April 9th 1985 ... YEAR OF WORK 1985

PROPERTY NAME(S) ... ~~BLACKLATER DAY DEAN~~ ... ~~APRIL CLAIM # 2720~~
... CHU ...

COMMODITIES PRESENT ... Pb, Zn, Ag, Mo, Cu

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN 93F-1

MINING DIVISION ... OMINECA ... NTS 93F/7A 7E

LATITUDE ... 53° 21' ... LONGITUDE ... 124° 32'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

... APRIL # 2720 ...

OWNER(S)

(1) GRANGES EXPLORATION LTD. (2)

MAILING ADDRESS

900-625 HOWE ST.
VANCOUVER B.C. V6C 2T6

OPERATOR(S) (that is, Company paying for the work)

(1) GRANGES EXPLORATION LTD. (2)

MAILING ADDRESS

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The April claim covers the east-west contact zone between a granite pluton (upper Jurassic/Cretaceous age) and rocks of the Hazelton group (Middle to Lower Jurassic). Drilling intersected tuff, dacite, andesite, trachyte, argillite, graphite schist, rhyolite dyke and monzonite. A core sample assayed 1.4 g/t Au, 573.5 g/t Ag, 15.96% Zn and 15.83% Pb over 0.3m. Another sample assayed 2.95 g/t Au, 4.0 g/t Ag, and 0.77% Zn over 0.57 metres.

REFERENCES TO PREVIOUS WORK ... G.S.C. Mem. 344 ... 9043, 10310, 14281

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground
Photo
GEOPHYSICAL (line-kilometres)			
Ground
Magnetic
Electromagnetic
Induced Polarization
Radiometric
Seismic
Other
Airborne
GEOCHEMICAL (number of samples analysed for)			
Soil
Silt
Rock
Other
DRILLING (total metres; number of holes, size)
Core DIAD	<i>3 - BQ - 156 ⁷ m</i>	<i>APRX # 2720</i>	<i>15,030.35</i>
Non-core
RELATED TECHNICAL			
Sampling/assaying	<i>7, Au, Ag, Zn, Pb</i>
Petrographic
Mineralogic
Metallurgic
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)
Topographic (scale, area)
Photogrammetric (scale, area)
Line/grid (kilometres)
Road, local access (kilometres)
Trench (metres)
Underground (metres)
			TOTAL COST <i>15,030.35</i>

Return for amendments

EX. 5 Nov 85

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report) <i>19,000.00</i>	<i>MINING EXPENDITURE</i>	<i>2900.00</i>	<i>1) 2000.00 for 1000 m of road</i> <i>2) 1000.00 for 1000 m of trench</i> <i>3) 1000.00 for 1000 m of trench</i> <i>4) 1000.00 for 1000 m of trench</i>
Value of work approved <i>19,000.00</i>				
Value claimed (from statement) <i>18,000.00</i>				
Value credited to PAC account				
Value debited to PAC account <i>2900.00</i>				
Accepted <i>EDK</i> Date <i>15 April 86</i>	Rept. No. <i>85-142-14281</i>	Information Class		

5) require dupl. sets for Apr 20 and 23

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ENCLOSURES

3 DDH logs for April 1, 2 and 3

1 Plan showing drill hole locations

Scale 1:2000

INTRODUCTION

The April Claim (#2720) is located 100 km southwest of Vanderhoof, B. C. on the Ootsa Klukus Forest Road. Access is via road.

The claim lies in the rugged southern half of the Nechako Range from 1097 m to 1341 m in elevation and is covered with a good forest cover of lodgepole pine and black spruce.

The claim is held by Granges Exploration Ltd. for a Joint Venture project with Cominco Ltd.

GEOLOGY

According to G.S.C. Memoir 324 Nechako River Area, B. C. (Tipper, 1963), the April claim lies on the east/west contact between an upper Jurassic or Cretaceous Granite Pluton and the older Middle to Lower Jurassic Hazelton group. Outcrops are sparse due to the forest cover, but the Hazelton group in the claim area appears to be the sedimentary unit of the group consisting of tuffs (Marine) with minor interbedded andesites.

DIAMOND DRILLING

of BQ size

A total of three (3) holes (April 1, 2 & 3) were drilled for a total footage of 156.67 m (514.0'). The holes were drilled by Phil's Drilling Ltd. of 100 Mile House, B. C. during the period of July 14th to 26th, 1984. The program was supervised by E.G. Fluskey, Geologist for Granges Exploration Ltd. The following is a description of the drilling:

April 1: 900E 1+78N -45°S 64.4 m (208')

The purpose of this hole was to test the down dip extension of the mineralized Zn, Ag, Au zone discovered in 1982 at 9+00E and 1+50N. Lithologies encountered were rhyodacite tuff, dacite tuff and a massive dacite: significant mineralization intersected follows:

13.11-13.41	-	.3 m @ 1.4 g/t Au, 573.5 g/t Ag, 15.96% Zn, 15.83% Pb
20.48-20.79	-	.31 m @ .035 g/t Au, 141 g/y Ag, 7.99% Zn, 3.31% Pb
30.75-46.63	-	15.85 m @ 1.25 g/t Au
46.33-46.63	-	.3 m @ 1.24 g/t Au
55.47-55.78	-	.31 m @ 2.38 g/t Au, 5.8 g/t Ag, 0.92% Zn

April 2: 8+50E 1+83N -45°S 47.55 m (156')

The purpose of this hole was to investigate a soil geochemical sample at 8+50E 1+50N that assayed 485 ppb Au, 3.2 ppm Ag, 7933 ppm Ag & 1140 ppm Zn.

Lithologies encountered were hornblende monzonite, rhyodacite tuff, dacite tuff, dacite and a rhyolite tuff. Significant mineralization intersected was as follows:

37.19-37.76m - .57 m @ 2.95 g/t Au, 4.0 g/t Ag, 0.77% Zn
41.73-42.06m - .33 m @ 2.35 g/t Au

April 3: 8+00E 1+90N -45°S 45.72m (150')

The purpose of this hole was to investigate a V.L.F. EM anomaly at 8+00E 1+63N. This anomaly was also approximately on strike with the mineralized Au, Ag, Zn zone located at 9+00E 1+50N.

Lithologies encountered were monzonite, trachye andesite, dacite tuff, rhyolite dyke, argillite, quartz chlorite, graphite schist and a massive dacite. Assays received were negligible and the anomaly was deemed to be a graphite schist at 28.80 m to 32.00 m.

For further information please refer to the appended logs and record sheets or view core at Granges, B. C. field office.

EXPENDITURES

Diamond Drilling

Drilling	517' @ \$16.00 per ft.	\$8,272.00
Cat Hours	5 hrs. @ \$30.00 per hr.	150.00
Man Hours	5 hrs. @ \$25.00 per hr.	125.00
Dip Test	1 @ \$40.00	40.00
		<u>8,587.00</u>

Personnel

E.W.G. Fluskey	13 days @ \$92.50	\$1,202.50
D. Beach	13 days @ \$50.00	650.00
J. C. Broulliard	13 days @ \$50.00	650.00
		<u>2,502.50</u>

EXPENDITURES CONT'D.

Assay Costs

37	x	20.75	\$	767.75
50	x	6.75		337.5
35	x	14.00		490.00
15	x	2.75		41.25
8	x	3.75		30.00
				<u>1,666.5</u>

Camp Costs

39 man days @ \$35.00	1,365.00
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Transport

Gas & Truck Rental 1818.70x0.5	909.35
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TOTALS

\$15,030.35

A circular stamp with a signature inside. The signature is written in cursive and appears to be "R. Z. Hoff". The stamp has a textured, dotted border.

STATEMENT OF QUALIFICATIONS

Name: Zbitnoff, George Wm.

Profession: Geologist

Professional Associations: Member of the Association of Professional Engineers of the Province of Manitoba since 1969.

Member of the Association of Professional Engineers of the Province of British Columbia since 1973.

Member of the Canadian Institute of Mining and Metallurgy.

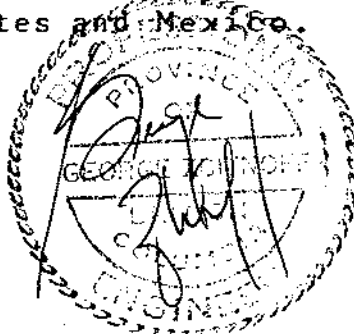
Experience: Pre graduation experience in geology with the Department of Mineral Resources of Saskatchewan.

Two and one half years, field geologist with Hudson Bay Exploration and Development, Central Canada.

Six years, field and resident geologist with Noranda Exploration Ltd., Central Canada.

Thirteen years geologist and Assistant Manager at Granges Exploration Aktiebolag, Canadian Division, Vancouver, B. C.

Active geological experience in all provinces of Canada and parts of the United States and Mexico.

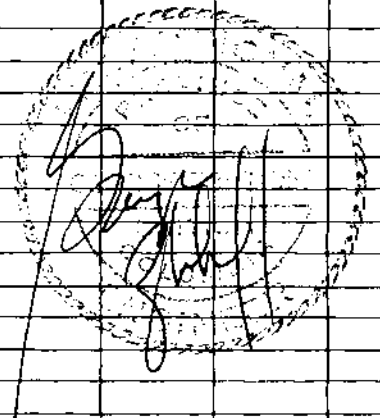




GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property BLACKWATER 1205 Project No. 120 Depth 4572 (1501) Date Began JULY 24/101
Hole No. APR-3 Co ord. 8400E Horizontal Length 3200 (105') Date Completed JULY 26/89
Sheet No. 1 OF 2 1490N Direction SOUTH Drilled By PHIL'S DRILLING
Claim No. APRIL 2720 Elevation APRIL GRID Angle -45° Logged By ED FLUSKEY

*FOOTAGE METERS	DESCRIPTION	ALTERATION								% REC'Y CALC'D.
		FROM	TO							
0-2.13	CASING									
2.13-8.84	MONZONITE - MINOR HN, MED GRAINED - FELD PORPHYROCLASTS - BARREN									
8.84-9.45	TRACIYF ANDESITE - MASSIVE - FELD PORPHYROCLASTS - BARREN									
9.45-19.99	DACITE TUFF - FRAG, REWORKED + BK - MINOR Pb ENRICHED SECTIONS WITH CALCITE + CHL - SLIGHTLY FOLIATED - ISOLATED RHYOLITE TUFF SECTIONS 9.75-10.33 - MINOR - 1% Pb DISS 13.05-14.78 - MINOR - 2% Pb DISS 16.39-17.40 - MINOR Pb									
19.99-22.28	RHYOLITE DYKE - ALTERED, FELD PORPHYROCLASTS - CONTACTS FAULTED - GOUGE - BARREN									
22.28-28.80	ARGILLITE - SLIGHTLY FOL. GENERALLY MASSIVE - SLIGHTLY BK + BROKEN 27.58-27.89: FAULT GOUGE 28.35-29.87: BROKEN 0.61 LOST									
28.80-32.00	QTZ CHL GRAPHITE SCHIST - BROKEN + SHEARED + GROUND - SLIGHTLY CONDUCTIVE: GRAPHITE - BARREN									



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property BLACKWATER PROJ. Project No. 120 Depth Date Began

Hole No. APR-3 Co ord. Horizontal Length Date Completed

Sheet No. 1 Direction Drilled By.

Claim No. APRIL 2720 Elevation Angle Logged By.

FOOTAGE METERS	DESCRIPTION	ALTERATION										% RECY CALCD.	
		FROM	TO										
32.00-44.20	DACITE TUFF - REWORKED 4 BX - MINOR DACITE SECTIONS - BARREN												
44.20-45.72	DACITE - MASSIVE - BARREN												
	44.65-44.96: FAULT GOUGE												
45.72m	END OF HOLE												
	CORE ANGLES												
	47° @ 18.29 60° @ 28.65												

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

Property BLACKWATER PROJ Project No. 120 Depth Date Began

Hole No. APR-3 Co ord. 8100E Horizontal Length Date Completed

Sheet No. 1 1790N Direction Drilled By

Claim No. APRIL 2720 Elevation APRIL GRID Angle Logged By

FOOTAGE METERS	NUMBER	WIDTH METERS	Au.	Ag.	Cu.	Zn.	WIDTH X ASSAY					AVERAGES					REMARKS			
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.				
0 - 2.13	CASING	2.13																		
2.13 - 9.45	WASTE	7.32																		
9.45 - 9.75	3072c	0.30	.05																	
9.75 - 10.33	3073	0.58	.05																	
10.33 - 10.67	3074	0.34	.05																	
10.67 - 12.50	WASTE	1.83																		
12.50 - 13.05	3075	0.55	.05																	
13.05 - 13.96	3076	0.91	.05																	
13.96 - 14.78	3077	0.82	.05																	
14.78 - 15.39	3078	0.61	.05																	
15.39 - 16.03	WASTE	0.64																		
16.03 - 16.34	3079	0.31	.05																	
16.34 - 17.40	3080	1.06	.05																	
17.40 - 17.71	3081	0.31	.05																	
17.71 - 19.99	WASTE	2.28																		
19.99 - 20.91	3082	0.92	.05																	
20.91 - 21.82	3083	0.91	.05																	
21.82 - 22.28	3084	0.46	.05																	
22.28 - 28.80	WASTE	6.52																		
28.80 - 29.87	3085	1.07	.05																	
29.87 - 31.39	3086	1.52	.05																	
31.39 - 32.00	3087	0.61	.05																	
32.00 - 45.72	WASTE	13.72																		
45.72	END OF HOLE																			

**GEOLOGICAL GRABBLE
ASSESSMENT REPORT**

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

* SLUDGE SAMPLES

Property BLACKWATER PROJ Project No. 120 Depth 45.72m (150) Date Began

Hole No. APR-3 Co ord. 8100E Horizontal Length Date Completed

Sheet No. 1 1490N Direction Drilled By

Claim No. APRIL 2720 Elevation APRIL GRID Angle Logged By

FOOTAGE METERS	NUMBER	WIDTH METERS	Au.	Ag.	Cu.	Zn.	WIDTH X ASSAY					AVERAGES					REMARKS		
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
0 - 2.13	CASING	2.13																	
2.13 - 10.06	SAMPLES	7.93																	
10.06 - 13.11	3178C	3.05	.05																
13.11 - 16.15	3179	3.05	.05																
16.15 - 19.20	3180	3.05	.05																
19.20 - 22.25	3181	3.05	.05																
22.25 - 25.30	3182	3.05	.05																
25.30 - 28.35	3183	3.05	.05																
28.35 - 31.39	3184	3.05	.05																
31.39 - 34.44	3185	3.05	.05																
34.44 - 37.49	3186	3.05	.05																
37.49 - 40.54	3187	3.05	.05																
40.54 - 43.59	3188	3.05	.05																
43.59 - 45.72	3189	2.13	.05																
45.72m END OF HOLE																			

GEOLOGICAL BRANCH
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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property BLACKWATER PROJ Project No. 120 Depth 47.55m (156') Date Began JULY 18/89
 Hole No. APR-2 Co ord. 8+50E Horizontal Length 33.53m (108') Date Completed JULY 20/89
 Sheet No. 1 OF 2 1+83N Direction SOUTH Drilled By PHIL'S DRILLING
 Claim No. APRIL CLAIM 2720 Elevation APRIL 6210 Angle -45° Logged By ED FLUSKEY

ROTADE METERS	DESCRIPTION	ALTERATION							% RECY CALC'D
		FROM	TO						
0-1.52	CASING								
1.52-9.30	HORNBLende MONZONITE - MASSIVE + UNIFORM - MINOR PY DISS 8.69-9.14: MINOR ASBY FRACTURE FILLING VEINETS								
9.30-18.38	RHYODACITE TUFF - FRACTURED, FOLIATED SIL - MINOR DACITE SECTIONS - GENERALLY REWORKED 9.30-10.52: MINOR ASBY DISS + VEINED MINOR Po DISS								
18.38-23.62	DACITE TUFF - SLIGHTLY PORPHYCLASTIC: FELD - BARREN 21.34-24.48: FAULT ZONE GOUGE CHL. 20.73-22.25: 0.46 LOST 22.25-23.71: 0.46 LOST								
23.62-34.66	RHYODACITE TUFF - Bx + REWORKED - ISOLATED RHY TUFF SECTIONS 28.04-28.35: MINOR Po DISS 29.32-29.57: TR ASBY Bx 30.82-31.70: MINOR Py+Po TR CPY CALCITE SHEARED + Bx 32.71-33.01: MINOR ASBY VEINED, CALCITE 34.44-34.66: CALCITE Bx RHY								
34.66-37.25	DACITE - FRACTURED + Bx - MINOR Po								
37.25-37.76	RHYODACITE TUFF - 5%-10% SPH, 2%-5% ASBY, TR CPY, QTZ MINOR Po								

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property BLACKWATER PROT. Project No. 120 Depth Date Began
 Hole No. APP 2 Co ord. Horizontal Length Date Completed
 Sheet No. 2 OF 2 Direction Drilled By.
 Claim No. Elevation Angle Logged By.

FOOTAGE METERS	DESCRIPTION	ALTERATION								% REC'Y CALC'D.
		FROM	TO							
37.76-47.55	<u>DHYODACITE TUFF</u> <u>- GENERALLY SHEARED + BROKEN</u> <u>- ISOLATED RHY TUFF & DACITE SECTIONS</u>									
	<u>37.76 - 38.25: MINOR SPK VEINING TR ASPY</u>									
	<u>41.73 - 42.92: MINOR Po TR ASPY DISS</u> <u>Bx DACITE</u>									
47.55M	<u>END OF HOLE</u>									
	<u>CODE ANGLES</u>									
	<u>51° @ 10.97M 45° @ 13.72M</u>									

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

Property **BLACKWATER PROJ** Project No. **120** Depth **97.55m (156')** Date Began

Hole No. **APR 2** Co ord. **8450 E** Horizontal Length Date Completed

Sheet No. **1483 N** Direction Drilled By

Claim No. Elevation Angle Logged By

FOOTAGE METERS	NUMBER	WIDTH METERS	Au. g/mt	Ag. g/mt	Cu.	Zn.	Pb	WIDTH X ASSAY	AVERAGES					REMARKS		
									WIDTH	Au.	Ag.	Cu.	Zn.			
0-1.52	CASING	1.52														
1.52-7.01	WASTE	5.49														
7.01-7.62	3042c	0.61	.05	1.0		.01	.01									
7.62-8.38	3043	0.76	.05	.3		.08	.01									
8.38-8.69	3044	0.31	.05	1.2		.15	.01									
8.69-9.14	3045	0.45	.05	2.4		.07	.01									
9.14-9.75	3046	0.61	.05	1.6		.02	.01									
9.75-10.52	3047	0.77	.05	1.6		.01	.01									
10.52-11.13	3048	0.61	.05	.3		.02	.01									
11.13-26.82	WASTE	15.69														
26.82-27.43	3049	0.61	.05	.6		.01	.01									
27.43-28.04	3050	0.61	.05	.2		.01	.01									
28.04-28.65	3051	0.61	.05	.1		.01	.01									
28.65-30.48	WASTE	1.83														
30.48-30.82	3052	0.34	.05	.1		.01	.01									
30.82-31.39	3053	0.57	.05	.2		.01	.01									
31.39-31.76	3054	0.37	.05	.1		.06	.01									
31.76-32.00	3055	0.24	.05	.1		.08	.01									
32.00-32.71	3056	0.71	.05	.1		.01	.01									
32.71-33.01	3057	0.30	.05	.6		.01	.01									
33.01-33.53	3058	0.52	.05	.1		.02	.01									
33.53-35.97	WASTE	2.44														
35.97-36.58	3059	0.61	.05	.7		.01	.01									
36.58-36.88	3060	0.30	.05	.9		.01	.01									
36.88-37.19	3061	0.31	.05	.1		.02	.01									
37.19-37.76	3062	0.57	2.95	4.0		.77	.01									
37.76-38.25	3063	0.49	.05	2.9		.58	.01									
38.25-39.01	3064	0.76	.05	1.0		.01	.01									
39.01-41.15	WASTE	2.14														
41.15-41.73	3065	0.58	.05	.6		.02	.01									
41.73-42.06	3066	0.33	2.35	.5		.01	.01									
42.06-42.92	3067	0.86	.05	.1		.01	.01									
42.92-47.55	WASTE	4.63														
47.55m	END OF HOLE															

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

*SLUDGE SAMPLES

Property **BLACKWATER PROJ** Project No. **120** Depth **47.53m (156')** Date Began **JULY 18/84**
 Hole No. **APR-2** Co ord. **8+50E** Horizontal Length **33.53m (110')** Date Completed **JULY 20/84**
 Sheet No. **1** **1483N** Direction **SOUTH** Drilled By **PHIL'S DRILLING**
 Claim No. **APRIL CLAIM 2700** Elevation **APRIL GRID** Angle **-45°** Logged By **ED FLUSKEY**

FOOTAGE METERS	NUMBER	WIDTH METERS	Au.	Ag.	Cu.	Zn.	Pb	WIDTH X ASSAY	AVERAGES					REMARKS		
									WIDTH	Au.	Ag.	Cu.	Zn.			
0-1.52	CASING	1.52														
1.52-10.06	SAMPLES	8.54														
10.06-13.11	3166C	3.05	.05	.5		.01	.01									
13.11-16.15	3167	3.05	.05	.5		.01	.01									
16.15-19.20	3168	3.05	.05	.8		.01	.01									
19.20-22.25	3169	3.05	.05	1.3		.01	.01									
22.25-25.30	3170	3.05	.10	4.3		.05	.10									
25.30-28.35	3171	3.05	.05				.04									
28.35-31.39	3172	3.05	.05	1.8		.05	.06									
31.39-34.44	3173	3.05	.05	2.0		.04	.05									
34.44-37.49	3174	3.05	.05	6.5		.15	.04									
37.49-40.54	3175	3.05	.30	2.6		.21	.04									
40.54-43.59	3176	3.05	.05	4.3		.04										
43.59-46.63	3177	3.05	.05	2.6		.04										
46.63-47.53	SAMPLE	0.92														
47.53	END OF HOLE															

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property BLACKWATER PROJ Project No. 120 Depth 64.40m (208) Date Began JULY 14/89
Hole No. APP-1 Co ord. 9+00E Horizontal Length 44.20m (145) Date Completed JULY 17/89
Sheet No. 1 OF 2 1+78N Direction SOUTH Drilled By PHIL'S DRILLING
Claim No. APRIL CLAIM 2720 Elevation APRIL GR10 Angle -45° Logged By ED FLUSKEY

FOOTAGE METERS	DESCRIPTION	ALTERATION								% REC'Y CALC'D.
		FROM	TO							
0 - 8.84	CASING : SAND & BOULDERS									
8.84 - 12.25	RHYODACITE TUFF - FOLIATED, CHLORITIC - BARREN 10.06 - 12.25: FAULT 1.83m LOST									
12.25 - 32.00	DACITE TUFF - FRAGMENTAL + REWORKED - SHEARED + BROKEN 13.41 - 13.72: MASSIVE 3.8cm GALENA, SPH VEIN 20° TO CA. 16.20 - 20.79: CALCITE Bx IN RHY TUFF 10% SPH 2% GALENA MINORCPY, PY 22.25 - 23.77: FAULTED + SHEARED 15cm LOST WITHIN RHY. TUFF 27.43 - 28.65: SHEARED Bx CALCITE CHLORITIC 30.18 - 32.00: RHYODACITE TUFF NUMEROUS Qtz CALCITE STRINGERS MINOR Py & SLIGHT ASBY VEINLETS									
32.00 - 39.93	DACITE - MASSIVE - SLIGHT CHL TENSION FRACTURE INFILLING - BARREN									
39.93 - 63.40	DACITE TUFF - SILICEOUS Bx - ISOLATED DACITE AND RHYOLITE TUFF SECTIONS 39.93 - 40.54: SHEARED + BROKEN 41.45 - 41.76: RHY TUFF ALTERED BARREN 46.42: MINOR SPH VEINLET TRCPY 50.08: MINOR SPH VEINLET 50.60 - 51.39: RHY TUFF MINOR Py CALCITE + Qtz VEINLETS 46.33 - 50.60: DACITE SLIGHTLY Bx									

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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL LOG

Property BLACKWATER PROJ Project No. _____ Depth _____ Date Began _____
 Hole No. APR-1 Co ord. _____ Horizontal Length _____ Date Completed _____
 Sheet No. 2 OF 2 Direction _____ Drilled By. _____
 Claim No. _____ Elevation _____ Angle _____ Logged By. _____

FOOTAGE METERS	DESCRIPTION	ALTERATION								% REC'Y CALC'D
		FROM	TO							
	51.82 : SPLOTCH SPH IN FRACTURE									
	55.63 : SPH VEINLET 50° TO CA									
	56.66-57.15 : MINOR P ₂ TO ASPY MINOR SPH IN TENSIONAL FRACTURE FILLING									
	61.11-61.51 : MINOR SPH ASPY & PV IN TENSIONAL FRACTURE FILLINGS									
	57.61-63.40 : GENERALLY BK REWORKED DACITE WITH MINOR TUFF SECTIONS									
63.40A	END OF HOLE									
	<u>CORE ANGLES</u>									
	52° @ 8.84m 49° @ 29.87									
	<u>ACID TEST</u>									
	46° @ 63.40m									

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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

Property **BLACKMETER PROJ.** Project No. **120** Depth **63.40 m (208')** Date Began **JULY 14 1984**
 Hole No. **APR 1** Co ord. **9400 E** Horizontal Length **44.20 (145')** Date Completed **JULY 17 1984**
 Sheet No. **1 OF 2** **1478N** Direction **SOUTH** Drilled By **PHIL'S DRILLING**
 Claim No. **APRIL CLAIM 2720** Elevation **APRIL GRID** Angle **-45°** Logged By **ED FLUSKEY**

FOOTAGE METERS	NUMBER	WIDTH METERS	Au. g/mt	Ag. g/mt	Cu.	Zn.	Pb	WIDTH X ASSAY	AVERAGES					REMARKS		
									WIDTH	Au.	Ag.	Cu.	Zn.			
0 - 8.84	CASING	8.84														
8.84 - 13.11	WASTE	4.27														
13.11 - 13.41	3011c	0.30	.05	5.5	.01	.09	.03									
13.41 - 13.72	3012	0.31	1.40	573.5	.15	15.76	15.83									
13.72 - 14.33	3013	0.61	.05	3.1	.01	.06	.04									
14.33 - 20.12	WASTE	5.79														
20.12 - 20.48	3014	0.36	.05	7.9	.01	.23	.20									
20.48 - 20.79	3015	0.31	.35	141.0	.08	7.99	3.31									
20.79 - 21.03	3016	0.24	.05	1.4	.01	.04	.02									
21.03 - 21.34	3017	0.31	.05	2.1	.01	.04	.02									
21.34 - 22.25	WASTE	0.91														
22.25 - 22.56	3018	0.31	.05	1.0	.01	.02	.01									
22.56 - 22.86	3019	0.30	.05	1.7	.01	.02	.01									
22.86 - 23.16	3020	0.30	.05	2.1	.01	.02	.01									
23.16 - 29.57	WASTE	6.41														
29.57 - 30.18	3021	0.61	.05	.7		.01	.01									
30.18 - 30.78	3022	0.60	.15	.7		.01	.01									
30.78 - 31.39	3023	0.61	1.20	1.7		.02	.01									
31.39 - 32.00	3024	0.61	.05	2.4		.01	.01									
32.00 - 32.31	3025	0.31	.05	1.7		.01	.01									
32.31 - 46.02	WASTE	13.71														
46.02 - 46.33	3026	0.31	.30	3.4		.10	.01									
46.33 - 46.63	3027	0.30	1.25	3.1		.02	.01									
46.63 - 46.94	3028	0.31	.05	2.1		.02	.01									
46.94 - 49.68	WASTE	2.74														
49.68 - 50.00	3029	0.32	.05	1.0		.02	.01									
50.00 - 50.60	3030	0.60	.05	1.0		.14	.01									
50.60 - 51.39	3031	0.79	.05	2.4		.03	.01									
51.39 - 51.82	3032	0.43	.35	1.7		.14	.01									
51.82 - 52.12	3033	0.30	.05	3		.02	.01									
52.12 - 55.17	WASTE	3.05														
55.17 - 55.47	3034	0.30	.05	1.7		.02	.01									
55.47 - 55.78	3035	0.31	2.30	5.8		.92	.01									
55.78 - 56.39	3036	0.61	.05	1.7		.03	.01									
56.39 - 57.15	3037	0.76	.45	1.4		.16	.01									
57.15 - 57.45	3038	0.30	.05	2.1		.04	.01									
57.45 - 60.66	WASTE	3.21														
60.66 - 61.11	3039	0.45	.05	1.4		.02	.01									

GEOLOGICAL BRANCH
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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

Property BLACKWATER PROJ Project No. Depth 63.40m (208') Date Began

Hole No. APR-1 Co ord. Horizontal Length Date Completed

Sheet No. 2 OF 2 Direction Drilled By

Claim No. Elevation Angle Logged By

FOOTAGE METERS	NUMBER	WIDTH METERS	Au.	Ag.	Cu.	Zn.	Pb	WIDTH X ASSAY	AVERAGES					REMARKS			
									WIDTH	Au.	Ag.	Cu.	Zn.				
61.11-61.51	3040c	0.40	.35	1.7		.24	.01										
61.51-61.87	304H	0.36	.05	1.7		.02	.01										
61.87-63.40	WASTE	1.53															
63.40 m	END OF HOLE																

**GEOLOGICAL BRANCH
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GRANGES EXPLORATION AB
CANADIAN DIVISION
DIAMOND DRILL RECORD

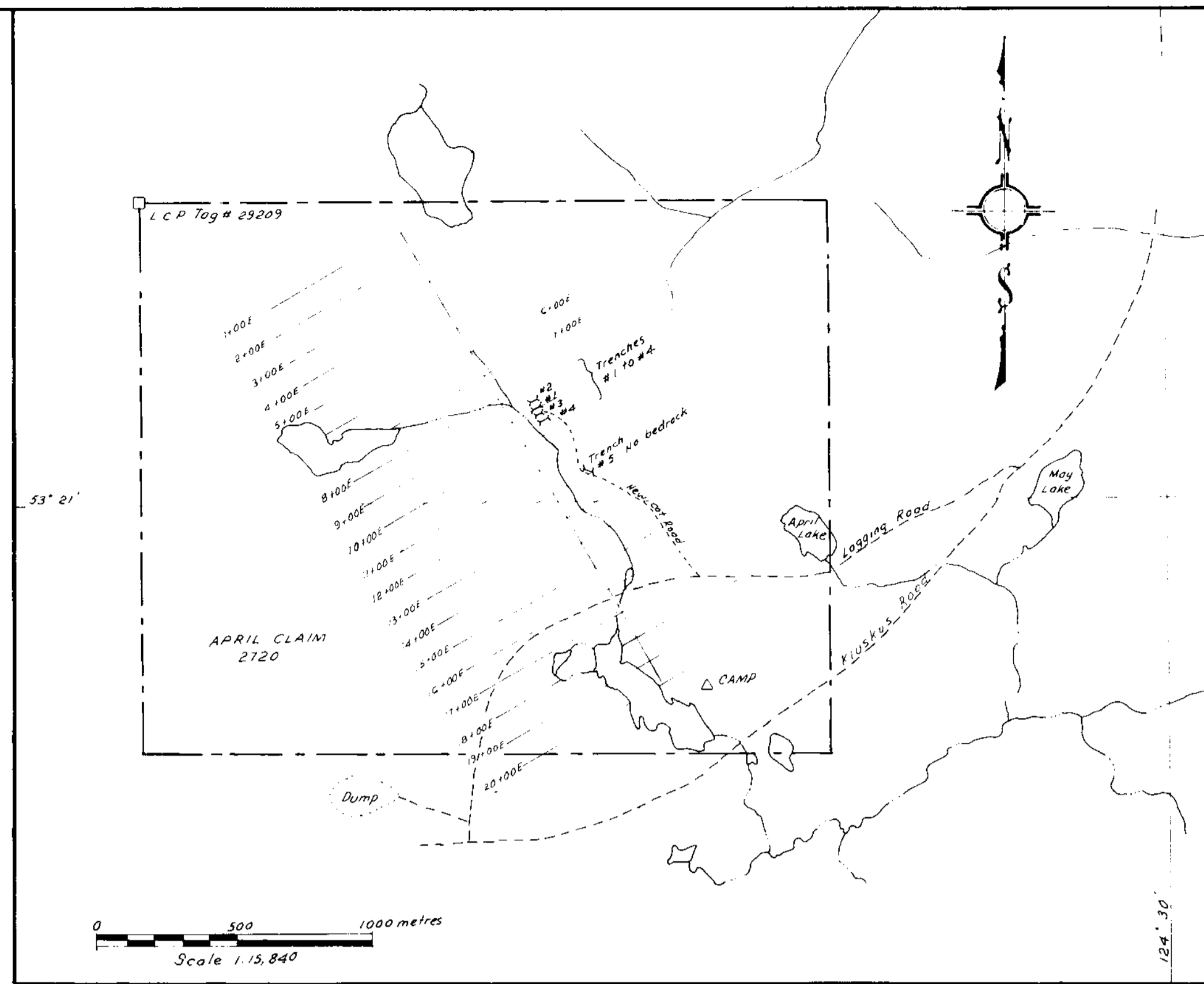
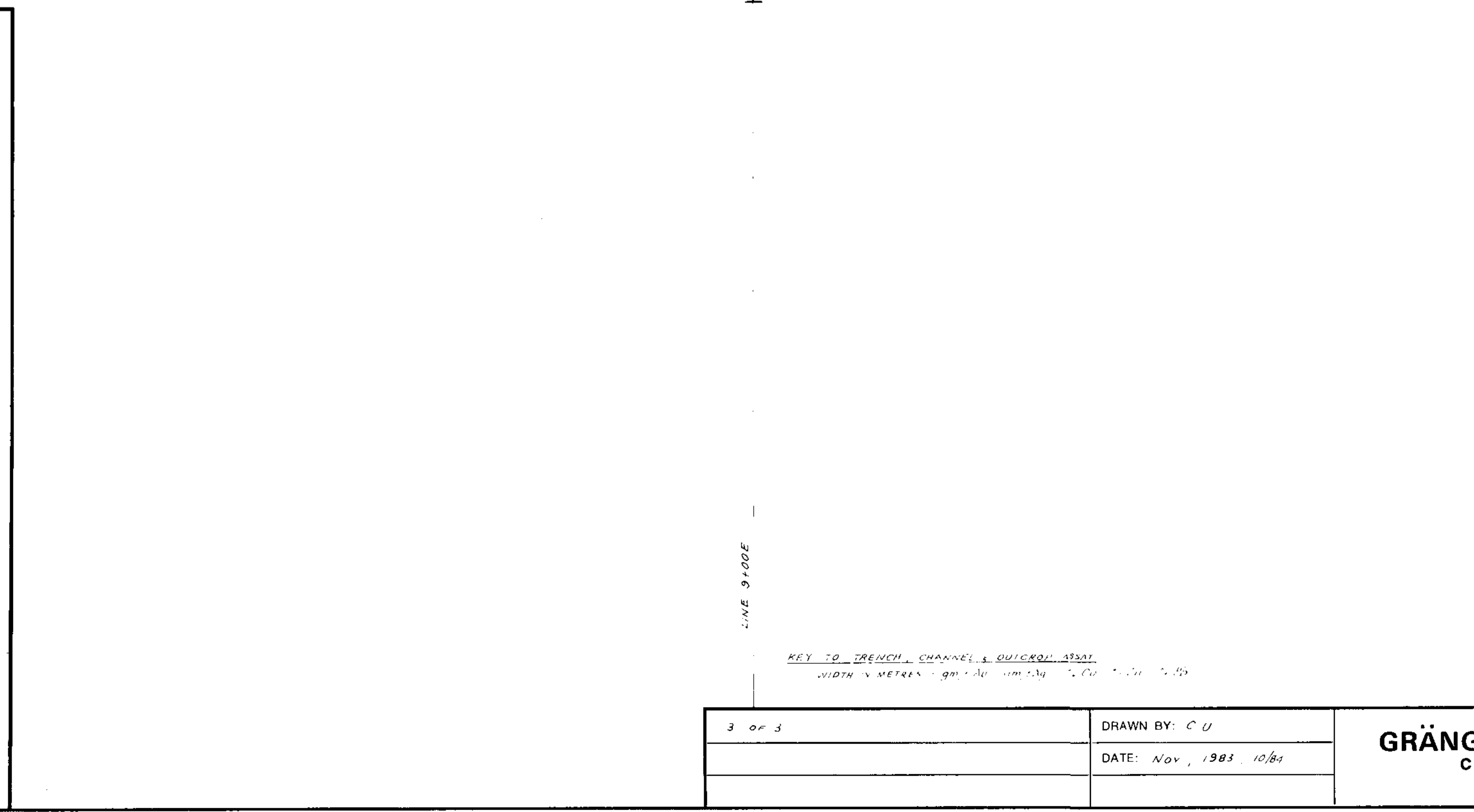
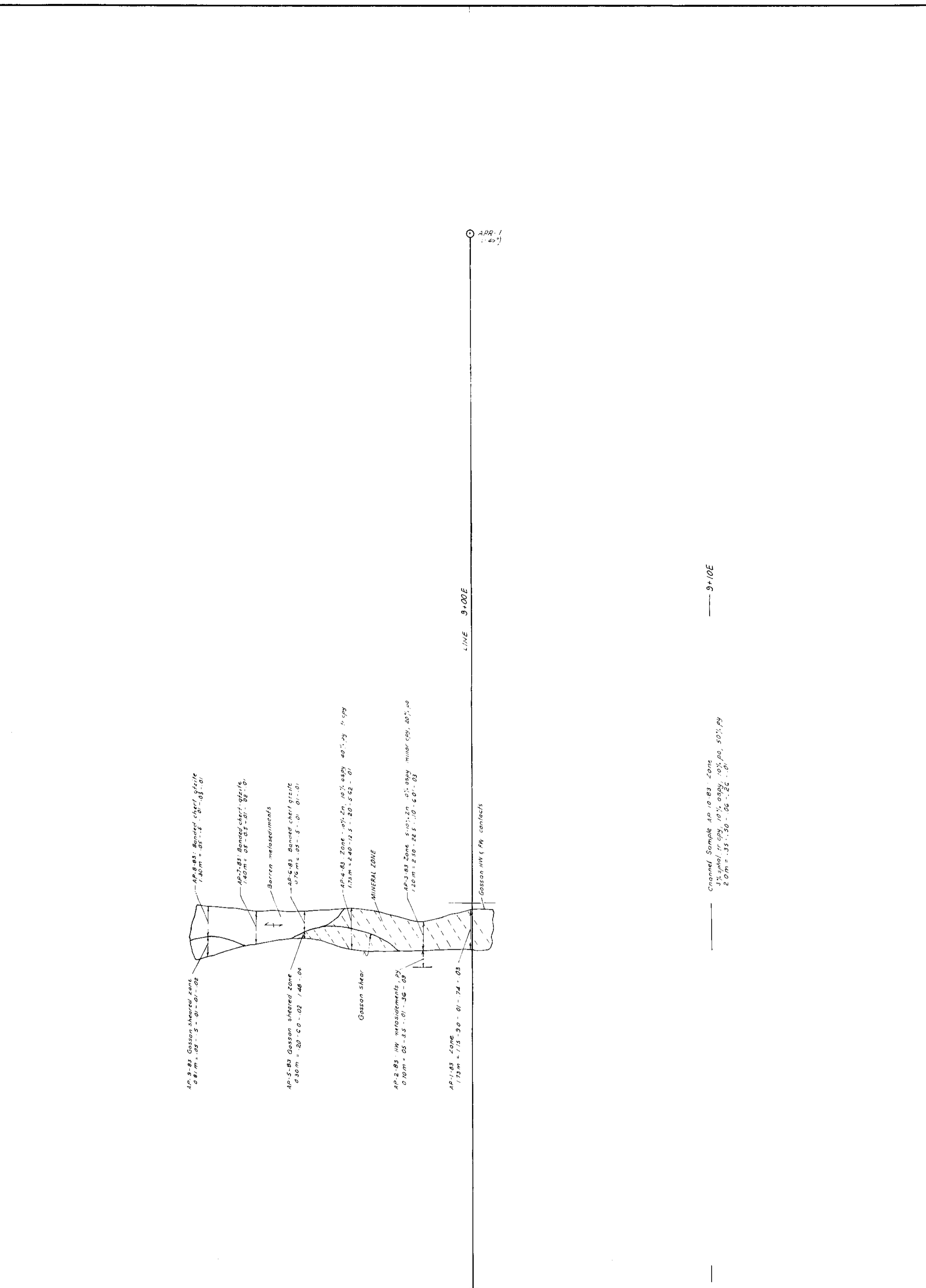
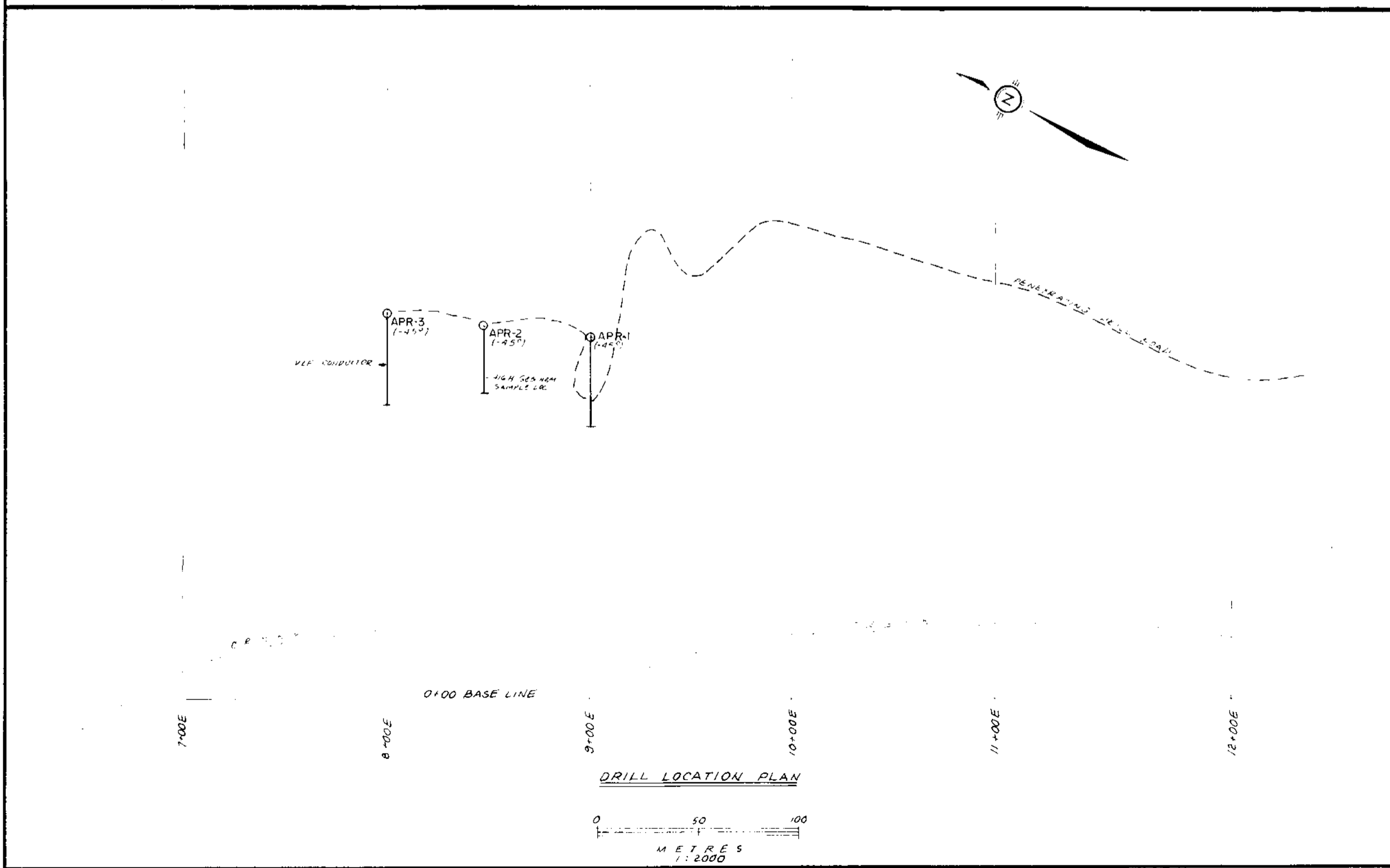
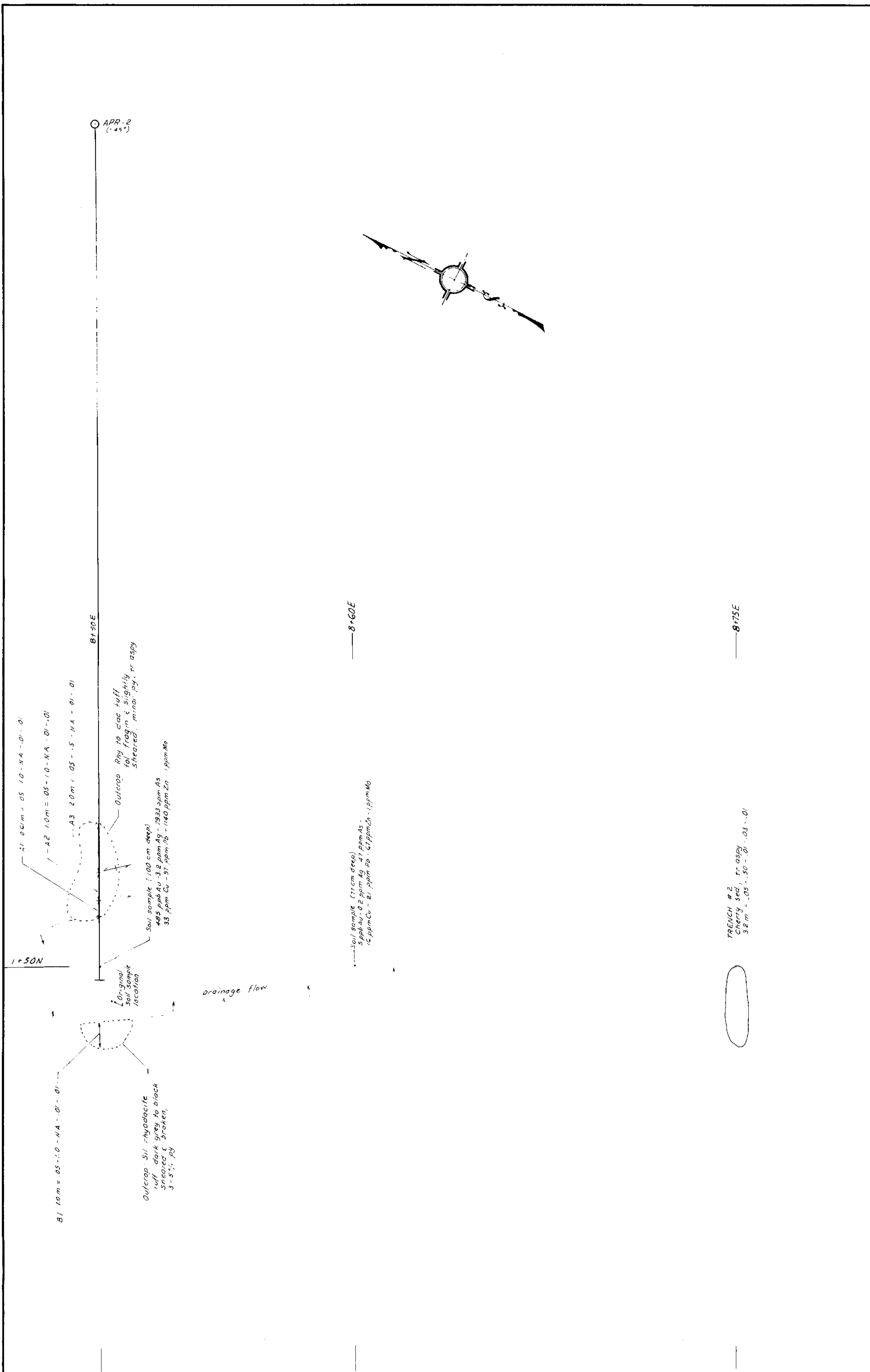
* SLUDGE SAMPLES

Property BLACKWATER PROJ Project No. 120 Depth Date Began
Hole No. APR-1 Co ord. Horizontal Length Date Completed
Sheet No. 1 Direction Drilled By
Claim No. Elevation Angle Logged By

FOOTAGE METERS	NUMBER	WIDTH METERS	Au.	Ag.	Cu.	Zn.	WIDTH X ASSAY					AVERAGES					REMARKS		
							WIDTH	Au.	Ag.	Cu.	Zn.	WIDTH	Au.	Ag.	Cu.	Zn.			
0 - 8.84	CASING	8.84																	
8.84 - 16.15	SAMPLES	7.31																	
16.15 - 19.20	3151c	3.05	.05																
19.20 - 22.25	3152	3.05	.05																
22.25 - 25.30	3153	3.05	.05																
25.30 - 28.35	3154	3.05	.10																
28.35 - 31.39	3155	3.05	.15																
31.39 - 34.44	3156	3.05	.10																
34.44 - 37.49	3157	3.05	.05																
37.49 - 40.54	3158	3.05	.05																
40.54 - 43.59	3159	3.05	.05																
43.59 - 46.63	3160	3.05	.05																
46.63 - 49.68	3161	3.05	.10																
49.68 - 52.73	3162	3.05	.15																
52.73 - 55.78	3163	3.05	.10																
55.78 - 58.83	3164	3.05	.10																
58.83 - 63.40	3165	4.57	.60																

**GEOLOGICAL BRANCH
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Scale 1:15,840

Scale 1:100

3 OF 3

DRAWN BY: C.U.

DATE: Nov. 1983 10/83

GRANGES EXPLORATION AB
CANADIAN DIVISION
VANCOUVER OFFICE

TRENCHING & SAMPLING PLAN
APRIL CLAIMS
BLACKWATER-DAVIDSON PROJECT
CHUTANU LAKE AREA, B.C.

SCALE: 1:100
PROJECT No: 120
N.T.S. No: 33F 70

14,281

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