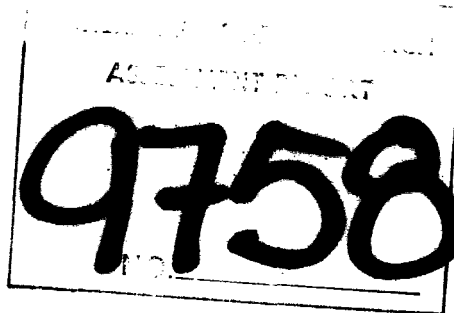


81-#982.-9758



NORCEN ENERGY RESOURCES LIMITED
ASSESSMENT REPORT
DRILLING PROGRAM
DAVE GROUP
NELSON MINING DIVISION
BRITISH COLUMBIA

Claims: Dave 1 (216)
Dave 2 (220)
Dave 3 (221)
Dave 4 (222)
Dave 5 (481)
Sandy 1 (15611)
Lot 1739 (Ormonde) (1414)
Lot 1740 (Umpire) (1415)

Location: 45 kilometers east of Nelson, British Columbia

Latitude: 49° 30' N

Longitude: 116° 40' W

NTS: 82F 7,10

October 1981

A. Slingsby, P. Geol.

TABLE OF CONTENTS

I Summary

II Introduction

II-1 Location and Access

II-2 Ownership

II-3 History

III Drill Program, 1981

IV Conclusions and Recommendations

Appendix I

Diamond Drill Logs

Appendix II

Statement of Expenditures

Statement of Qualifications

Figure 1 Property Location Map (1:250,000)

Map 1 Drill Hole Location Map (1:5000)

I Summary

Drilling was carried out on The Dave Group of claims between July 27, and Aug. 27, 1981. The drilling was performed by Core Enterprises Ltd. of Clinton B.C. using a diesel engine powered Boyle Bros. 15A drill. 478.7 meters of drilling was completed in 7 holes. Helicopter support was required for a portion of the drill program.

The drilling was intended to test geochemical anomalies and known surface showings. Low grade disseminated mineralization was encountered in all holes, generally near the contact of a carbonate unit and an overlying black argillite.

II Introduction

II-1 Location and Access

The Dave group is located at the head waters of La France and Lockhart Creeks in the Nelson Mining Division of British Columbia 45 kilometers due east of the city of Nelson. The group straddles the eastern portion of the boundary between NTS sheets 82F 7 and 10. The reference coordinates for the group are latitude 49° 30' N, longitude 116° 40' N.

A portion of the area of the group has been logged and hence is accessible by a logging road in fair condition that runs along the north side of the main portion of La France Creek and the west side of the south branch. Haulage and skidder roads provide access to the central portion of the claims. The south portion, within the Lockhart drainage, is accessible by foot or helicopter.

II-2 Ownership

Five modified grid claims totalling 26 units, one two post claim and two reverted crown grants have been grouped together to form the Dave group. This group is held under option 100% by Norcen Energy Resources Ltd. of Calgary, Alberta subject to an eight percent carried net profits interest held by the vendors. A summary of these dispositions is given below:

Claim Name	Record No.	No. of Units
Dave 1	216 (6)	4
Dave 2	220 (6)	6
Dave 3	221 (6)	4
Dave 4	222 (6)	6
Dave 5	481 (7)	6
Sandy 1	15,611 (10)	2 post claim
Lot 1739 (Ormonde)	1414 (1)	reverted crown grant
Lot 1740 (Umpire)	1415 (1)	reverted crown grant

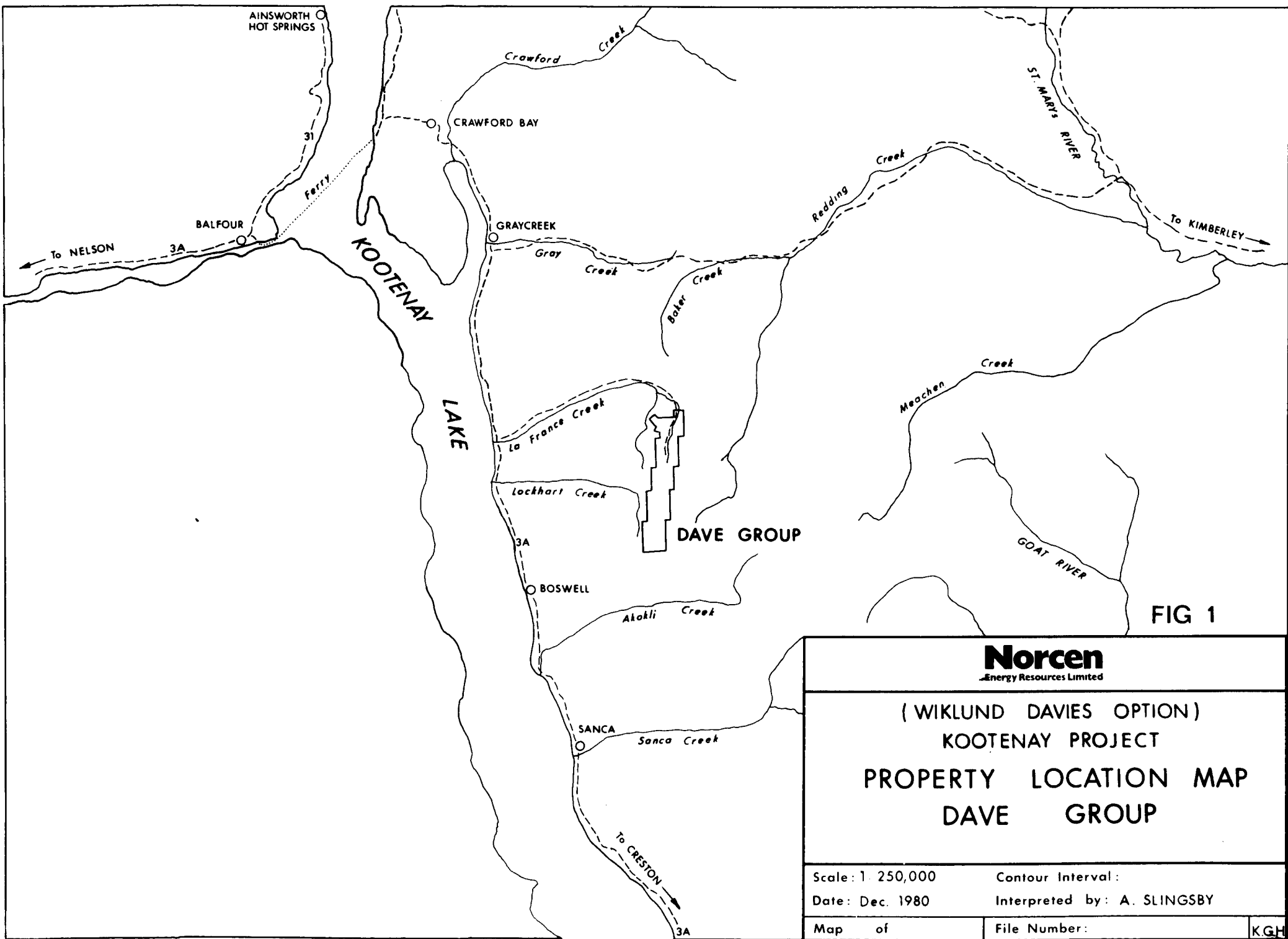


FIG 1

Norcen Energy Resources Limited		
(WIKLUND DAVIES OPTION) KOOTENAY PROJECT PROPERTY LOCATION MAP DAVE GROUP		
Scale: 1: 250,000	Contour Interval:	
Date: Dec. 1980	Interpreted by: A. SLINGSBY	
Map of	File Number:	K.G.H.

II-3 History

The Dave group was progressively staked by Messrs Davies and Wiklund, beginning in the early 1970's. Initial interest focused on the northern portion of the group but further prospecting and geochemical surveying led to the staking of over 6 kilometers of strike length covered by the Dave 1 to 5 and the Sandy 1. In addition to this the two reverted crown grants were applied for and received. The property was optioned from Messrs Davies and Wiklund by Norcen under the agreement dated August 1, 1980. Work performed by Norcen in 1980 included the following:

- 3.5 kilometers baseline cut.
- 14,975 meters of crosslines chained, clinometered and flagged. Crossline spacing 100 meters.
- 598 "B" horizon soil samples collected and analyzed for Pb, Zn, Cu, Fe, Mn.
 - 33 of these samples were analyzed for Ba.
 - 10 of these samples were analyzed for Mo.
- 1:2,500 scale geological mapping of grid completed.
- 287 stations read with Radem VLF for transmitters Cutler, Maine and Seattle, Washington.
- 73 fluxgate magnetometer stations read.
- 3 trenches Caterpillar stripped, totalling 120m x 3m.
- 12 channel and grab samples taken from trenches.

III Drill Program, 1981

The drill program on the Dave group commenced on July 27, 1981. Drilling was carried out by Core Enterprises Ltd. of Clinton B.C. utilizing a skid mounted Boyle Bros. 15A drill, power by a diesel engine. Core size was NQ (47.6 mm diameter) and the total footage drilled was 478.7 meters in 7 holes. Hole angles were checked by acid dip tests. The following table summarizes the hole azimuth, dip, depth and grid position.

Hole No.	Grid Coordinates	Azimuth	Dip	Casing (m)	Total Depth(m)
81K-1	6+12N 0+55E	100°	-45°	4.6	96.0
81K-2	4+22N 0+12E	100°	-45°	6.4	56.4
81K-3	2+68N 0+28W	100°	-45°	3.7	42.7
81K-4	2+68N 0+28W	100°	-60°	6.1	38.4
81K-5	5+23S 2+74W	120°	-45°	7.6	65.8
81K-6	5+23S 2+74W	120°	-60°	4.9	97.2
81K-7	5+23S 2+74W	165°	-49°	9.1	39.6

Drill holes 81K-1 to 81K-4 are accessible by truck and the drill was moved by cat. Holes 81K-5 to 81K-7 were drilled from one site, which required the drill move and crew changes to be performed by helicopter.

Drill holes 81K-1 to 81K-4 were designed to test geochemical anomalies from the 1980 survey. Holes 81K-5 to 81K-7 were drilled to test surface showings discovered by the original owners.

The core is stored at the residence of K.C. Schaub, Boswell B.C.

IV Conclusions and Recommendations

The drilling encountered small, disseminated amounts of galena and sphalerite in a carbonate close to the contact with an overlying argillite. That contact is gradational and mineralization is also seen associated with calcareous intercalations within the overlying argillite. From these and other observations it is assumed that mineralization is of the structurally controlled replacement type. It is recommended that more drilling be performed in an area to the north of the 1981 drilling.

APPENDIX I

APPENDIX II

Statement of Expenditures

Cost of diamond drilling on the Dave group of mineral claims,
Lockhart Beach area, Nelson Mining Division, British Columbia,
from July 27 to August 27, 1981.

Salaries

A. Slingsby	10 days @ \$120/day	\$1,200.00
R. Wasylyshyn	32 days @ \$80/day	\$2,560.00

Field Costs

Food and Accommodation	42 mandays @ \$20.00/day	\$840.00
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Transportation

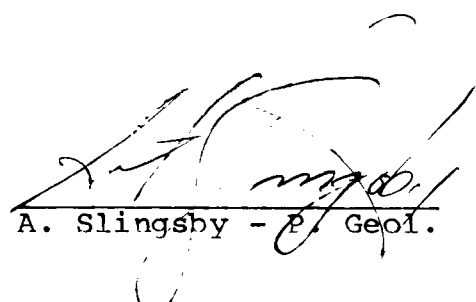
Truck Rental	32 days @ \$25.00/day	\$825.00
Helicopter	26.2hr @ \$475.00/hr	\$12,445.00

Drilling (invoice attached)

478.7m @ \$103.50/m	<u>\$49,545.45</u>
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TOTAL	<u>\$67,390.45</u>
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signed:


A. Slingsby - P. Geol.

STATEMENT OF QUALIFICATIONS

I, Arthur E. Slingsby, of the City of Calgary in the Province of Alberta, do hereby state:

1. I am a graduate of the University of Saskatchewan, Saskatoon with a B. Sc. (1975) degree in Geology.
2. I have been involved with mineral exploration in many areas of Canada.
3. I personally supervised exploration work on the Dave Group (Dave 1 to 5, Sandy 1, Ormonde and Umpire).
4. I am the holder of the valid Free Miner's Certificate numbered 224345.
5. I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

A.E. Slingsby

KOOTENAY PROJECT

Period of July 27 to August 27, 1981

Statement of Drill Hole Footage and Costs per Agreement:

Casing and Coring:

<u>Hole Number</u>	<u>Casing</u>	<u>Coring</u>
Hole # 81 - K - 1	0' - 15' = 15'	15' - 330' = 315'
# 81 - K - 2	0' - 21' = 21'	21' - 206' = 185'
# 81 - K - 3	0' - 12' = 12'	12' - 154' = 140'
# 81 - K - 4	0' - 20' = 20'	20' - 146' = 126'
# 81 - K - 5	0' - 25' = 25'	25' - 241' = 216'
# 81 - K - 6	0' - 16' = 16'	16' - 335' = 319'
# 81 - K - 7	0' - 30' = 30'	30' - 160' = 130'
	<u>Total Casing = 139'</u>	<u>Total Coring = 1431'</u>

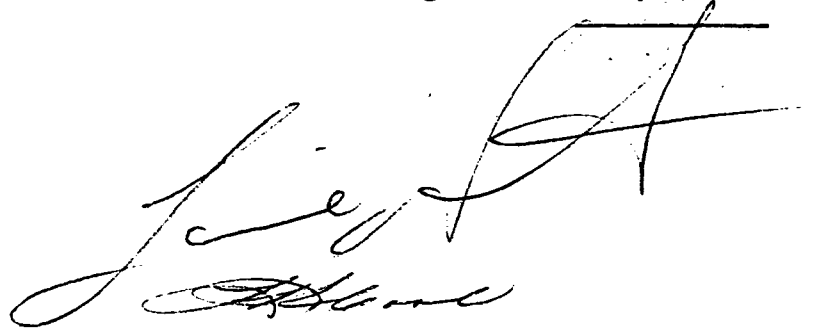
Total Casing = 42.3 metres

Total Coring = 436.4 metres

(a) Total cost of Casing @ \$103.50 per metre x 42.3 metres = \$ 4,378.05/

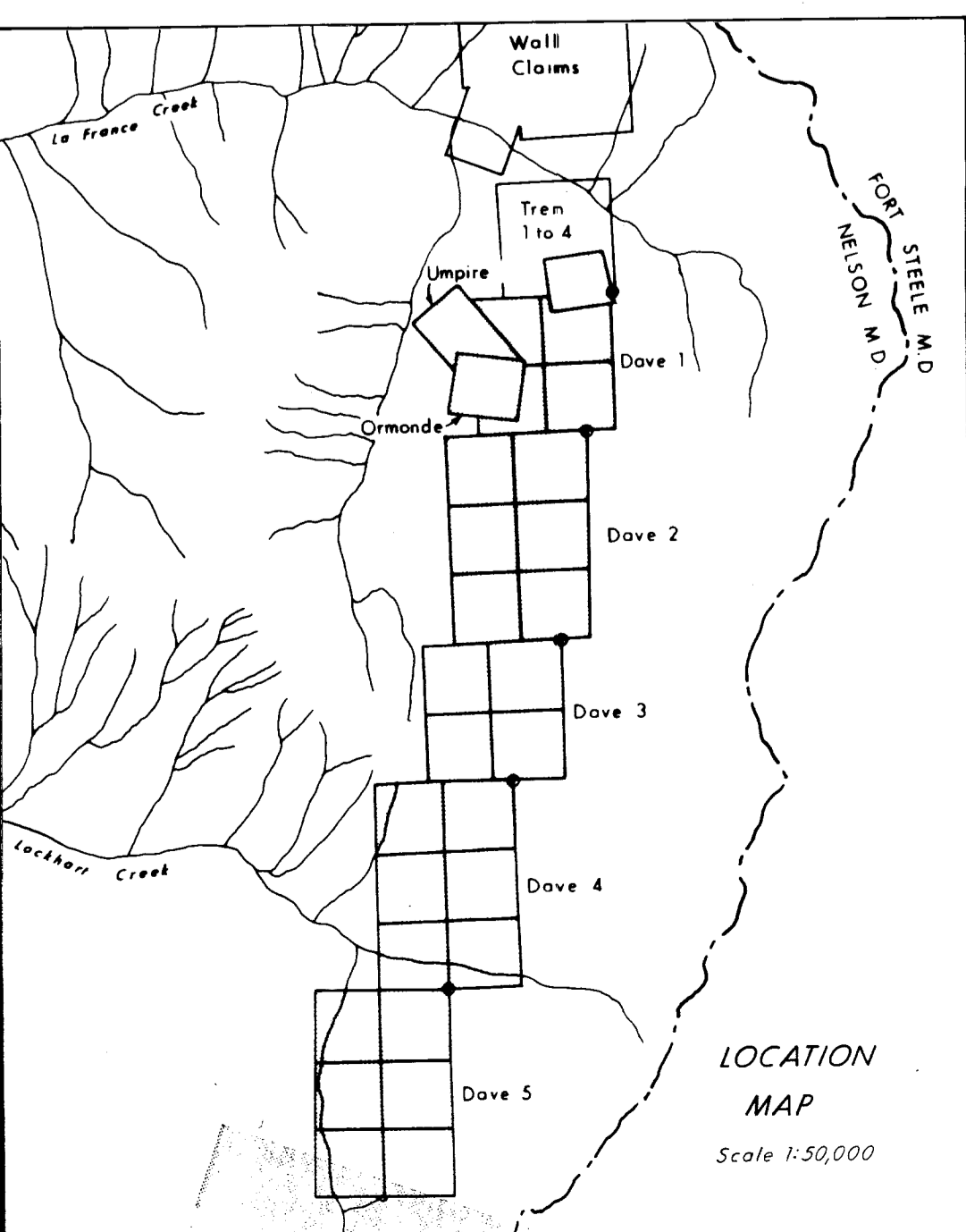
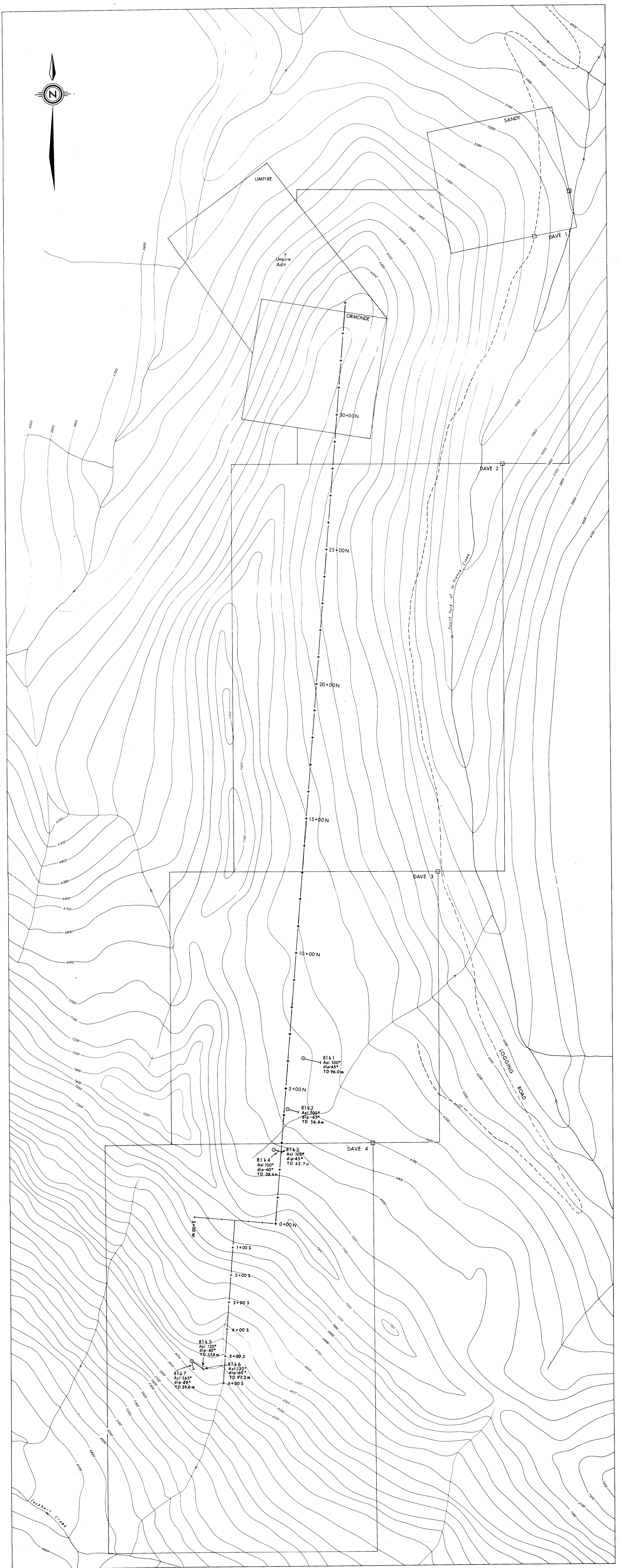
(b) Total cost of Coring @ \$103.50 per metre x 436.4 metres = \$45,167.40/

Total cost of Drill Footage = \$49,545.45/



11481

019-004



- LEGEND:**
- CLAIM BOUNDARY
 - LEGAL CORNER POST
 - +— BASE LINE
 - DRILL HOLE
azi, dip and total depth indicated

9758

Norcen
Energy Resources Limited

(WIKLUND DAVIES OPTION)

KOOTENAY PROJECT
DRILL HOLE LOCATIONS

Scale: 1:5,000 Contour Interval: 100'
Date: Oct., 1981 Interpreted by: A. SLINGSBY

Map of File Number: K.G.H.