

ASSESSMENT REPORT
(DRILL SITE PREPARATION)

ANN 4, 6-9, 11, 14, 19 & 25; WINE 1, 2, & 4;
BRYAN 1-16, 27-29, 31, 34, & 36;
CAL 3, 17, 22-24, 29, 31, 32, 35, 39, 150, 152-160

WATSON LAKE MINING DISTRICT

NTS 105-H-8W

61°23'N; 128°27'W

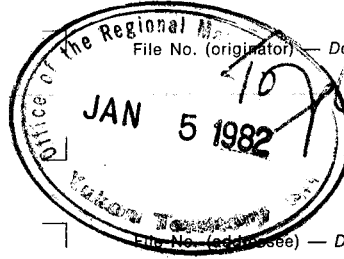
021180





FROM DE

Patti L. McLeod, M.B.



See me re other report which is attached

TO A

B. R. Baxter, S.M.R.

Subject - Objet Geological Reports

105-I-11

Dynasty Explorations Ltd.

-- Dea 1-20
Dea 21-34

(G, GC)

The above report is now open (see attached)

Signature

Date 30 Dec 81

Reply - Réponse

The above is taken care of. THANKS

Could you tell me what to do with the assessment Report on (O.D site Preparation). ANN 6-9, 11, 14, 19 + 25 VINE 1, 2, 4 BRYAN 1-16, 27-29, 31, 34, 36 CA 1 3, 17, 22-24, 29, 31-32, 35 39, 150, 152-160. (105-H-8w) I Believe Shell Canada owns this. There wasn't a transmittal sheet for it. Thank-you

Signature

Date 5/01/82

1 ADRESSEE DESTINATAIRE

Please add reply — Keep this copy and return No. 2 to originator. Ajouter la réponse — Garder cet exemplaire et renvoyer le n° 2 à la source.

INTRODUCTION

The Cal, Bryan, Ann, Wine and Pedro claims are located on NTS grid 105-H-8W. All are contiguous and comprise Shell Canada Resources Ltd.'s Norquest property. This property is being explored by Shell through right of agreement with New Jersey Zinc Exploration Company (Canada) Ltd.

Diamond drilling to test known lead-zinc-silver mineralization was carried out during the 1981 field season. The necessary preparation of seven level drill sites is described within this report and the costs incurred submitted to satisfy the physical assessment work requirements on several claims.

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1. LOCATION AND ACCESS

The Cal, Bryan, Ann, Wine and Pedro claims are located in an area of rugged, mountainous topography immediately west of the Hyland River Valley approximately 150 kilometres north of Watson Lake, Yukon Territories (Figure 1). Peak elevations are in the order of 2,000 metres above sea level.

The claimed area is partially accessible by unimproved four wheel drive road originating from kilometre 94 on the Cantung Highway. Helicopter support is required to mobilize personnel and equipment to the mountainous areas on the property.

The Town of Watson Lake provides an efficient support base for the program. Most goods and services are available locally. The town is served by the Alaska and Stewart-Cassiar Highways and daily scheduled air connections to Whitehorse and all southern Canadian centres are available.

2. LOGISTICS AND SUPPORT

Shell's crew was based from a tent and trailer camp located on the access road 2.5 kilometres west of the Cantung Highway. The access road was utilized for general support.

All camp supplies, fuel, etc., were purchased in Watson Lake.

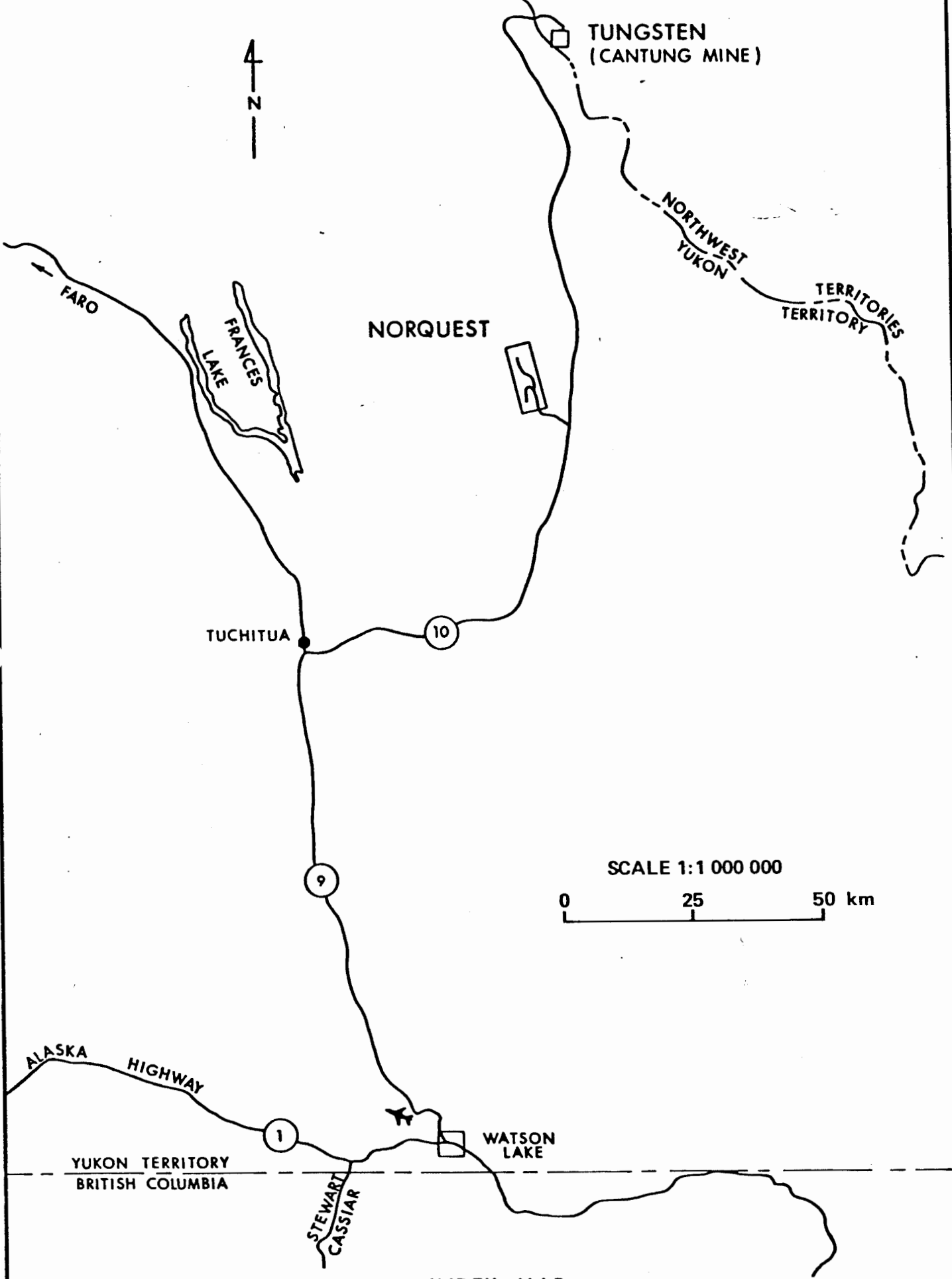
3. DRILL SITE CONSTRUCTION

A total of seven drill sites were prepared on the Cal 23, Bryan 6, Bryan 8, and Ann 9 claims during June and July 1981. The locations varied from relatively flat valley floors to 35° talus slopes. The seven sites are shown on the accompanying maps (Figures 2 and 3).

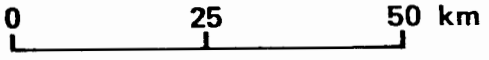
The construction of the drill pads was carried out by Bema Industries of Langley, B.C. under the supervision of the author.

The drill sites located on relatively flat terrain required a minimum of labour and materials to prepare a level timbered pad.

The sites on the talus slopes were significantly more difficult to construct. The site locations were chosen on the basis of thin talus cover and competent bedrock exposure. Once the location was ascertained, a crib of six inch squared timbers was constructed and anchored to bedrock ledge by steel pins and cables. Outcrop above the crib was drilled and blasted to form a free standing highwall. The broken rock fell into the crib partially filling it and placing the cable supports in tension. Talus was then shovelled into the crib to bring the site to a level grade. The finished size of each pad was approximately 6 x 8

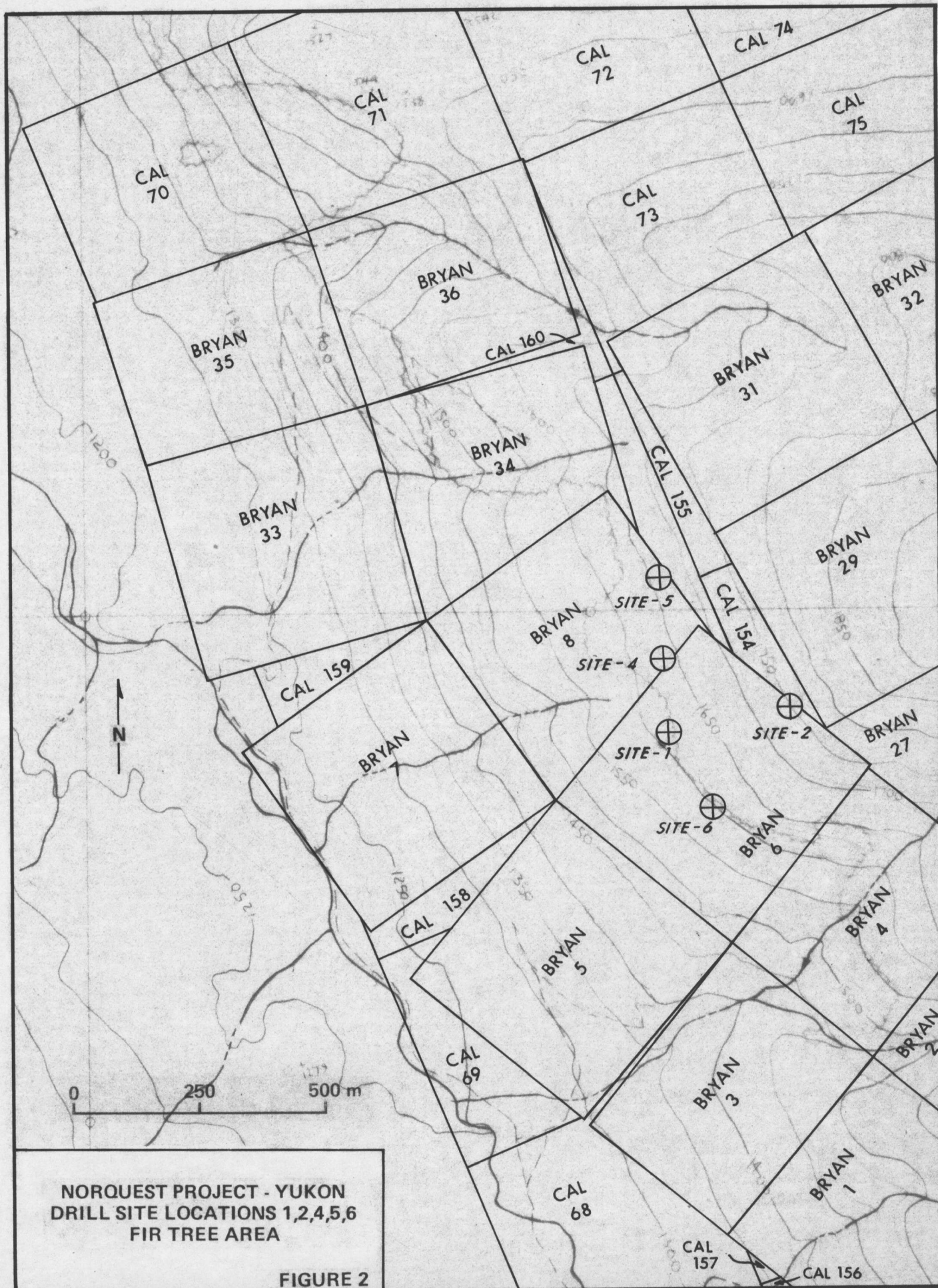


SCALE 1:1 000 000



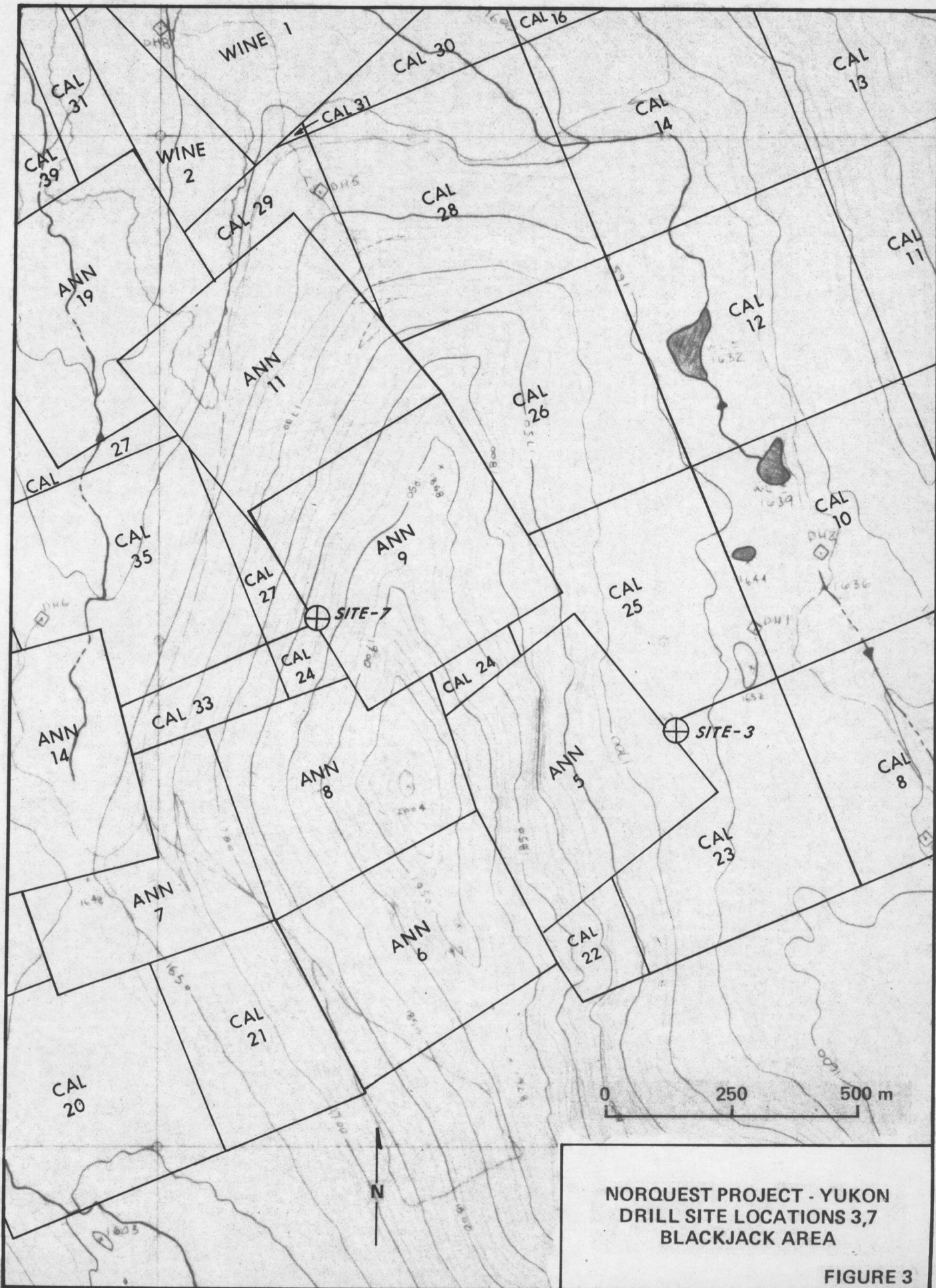
INDEX MAP

FIGURE 1



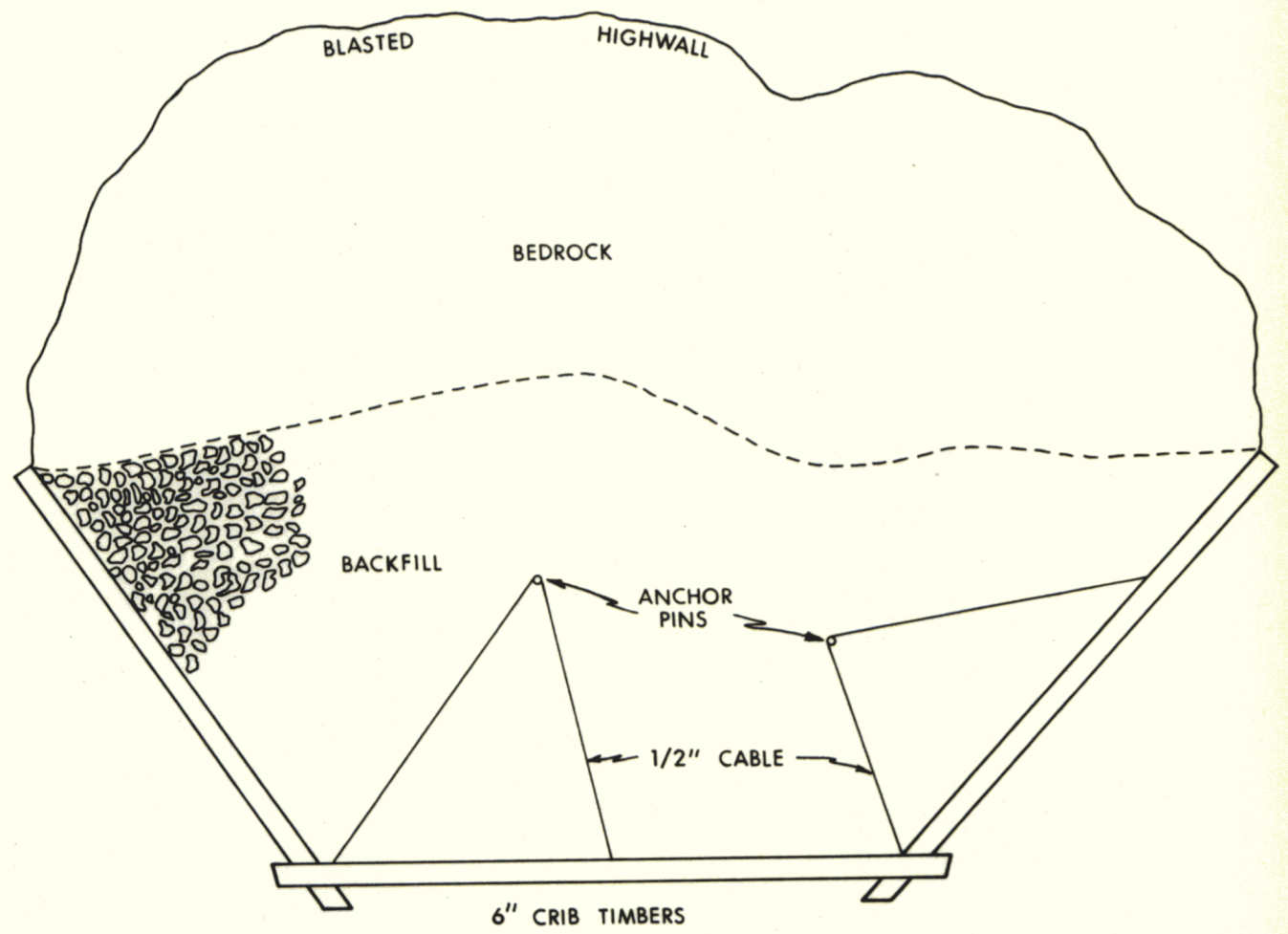
NORQUEST PROJECT - YUKON
DRILL SITE LOCATIONS 1,2,4,5,6
FIR TREE AREA

FIGURE 2

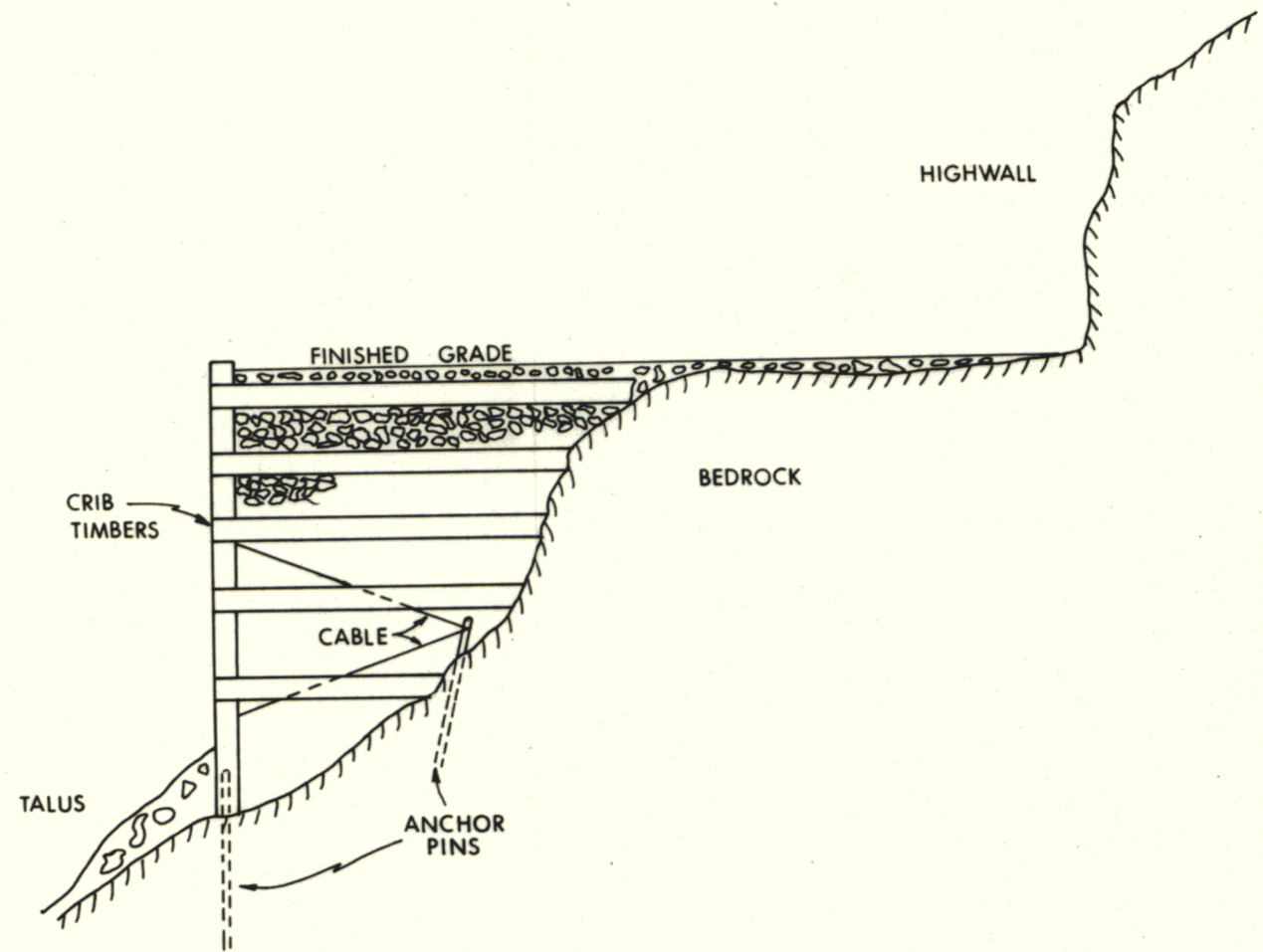


NORQUEST PROJECT - YUKON
DRILL SITE LOCATIONS 3,7
BLACKJACK AREA

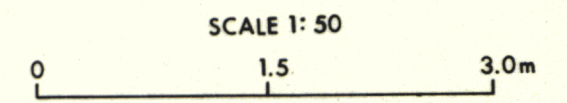
FIGURE 3



PLAN VIEW



SIDE VIEW



NOMINAL MATERIAL TRANSFER

| | |
|--------------------|-------------------|
| BEDROCK | 14 m ³ |
| TALUS AND BACKFILL | 26 m ³ |
| TOTAL | 40 m ³ |

| | | |
|--|-------------|----------------|
| SHELL CANADA RESOURCES LIMITED EXPLORATION - MINERALS | | |
| 3198 A NORQUEST PROJECT - YUKON TYPICAL DRILL PAD CONSTRUCTION | | |
| AUTHOR: W. A. MacLEOD | SCALE: 1:50 | DRAWING No.: |
| DATE: OCT. 1981 | REVISED: | ENCLOSURE No.: |
| To Accompany | | |

metres. The general construction of the pads is shown on the accompanying plan (Figure 4).

4. EXPENDITURES

The costs incurred by Shell in constructing the seven drill sites were as follows:

1. Site Construction

Bema Industries

| | | |
|---------------------------|-----------------|-------------|
| i) Labour | \$16,321.28 | |
| ii) Disbursements | 2,519.09 | |
| iii) Material & Equipment | <u>5,776.31</u> | |
| | | \$24,617.38 |

2. Camp Costs

Bema Industries

| | | |
|---|---------------|-------------|
| 76.5 man days @ \$35.00 | \$ 2,677.50 | |
| Shell Canada Resources Ltd. 8 man days @ \$35.00 | 280.00 | |
| ALC Airlift Corporation 20 man days @ \$35.00 | <u>200.00</u> | |
| | | \$ 3,657.50 |

3. Helicopter Support

| | | |
|--|-----------------|-------------|
| ALC Airlift Corporation 30 hours Hughes 500D @ \$375.00 | \$11,250.00 | |
| Fuel Consumed 750 gallons JP4 @ \$2.57* | <u>1,927.50</u> | |
| | | \$13,177.50 |

| | |
|----------------|-----------------|
| Sub-Total | \$41,452.38 |
| + 10% Overhead | <u>4,145.24</u> |

| | |
|-----------------------------------|-------------|
| Total Cost Drill Site Preparation | \$45,597.62 |
|-----------------------------------|-------------|

*Denotes "on site" fuel costs inclusive of all mobilization costs and barrel rental.

5. COST ALLOCATION

The total costs, above, are distributed to the four claims on the basis of the nominal volume of material moved to prepare each of the sites.

| <u>Claim</u> | <u>Drill Site</u> | <u>Material Volume</u> | <u>Allocated Cost</u> |
|--------------|-------------------|--------------------------|-----------------------|
| Bryan 6 | 1 | 16 m ³ | |
| Bryan 6 | 2 | 45 m ³ | |
| Bryan 6 | 6 | 40 m ³ | |
| | | | <u>\$20,468.26</u> |
| Bryan 8 | 4 | 35 m ³ | |
| Bryan 8 | 5 | 40 m ³ | |
| | | | <u>\$15,199.22</u> |
| Ann 9 | 7 | 45 m ³ | \$ 9,119.52 |
| Cal 23 | 3 | 4 m ³ | \$ 810.62 |
| Totals | | <u>225 m³</u> | <u>\$45,597.62</u> |

6. GROUPING

Pursuant to Section 52 of the Yukon Quartz Mining Act, Shell is applying for a total of four claim groups. The applications are under separate cover.

7. CONCLUSIONS

A total of seven diamond drill sites were prepared on the Cal 23, Ann 9, Bryan 6 and Bryan 8 claims during June and July, 1981. The total costs incurred amounted to \$45,597.62.

8. QUALIFICATIONS AND SIGNATURE

I, W. A. MacLeod with business address at 525 - 3rd Avenue S.W. Calgary, Alberta, T2P 2H5, do hereby certify that I personally supervised the field work described herein.

I also certify that:

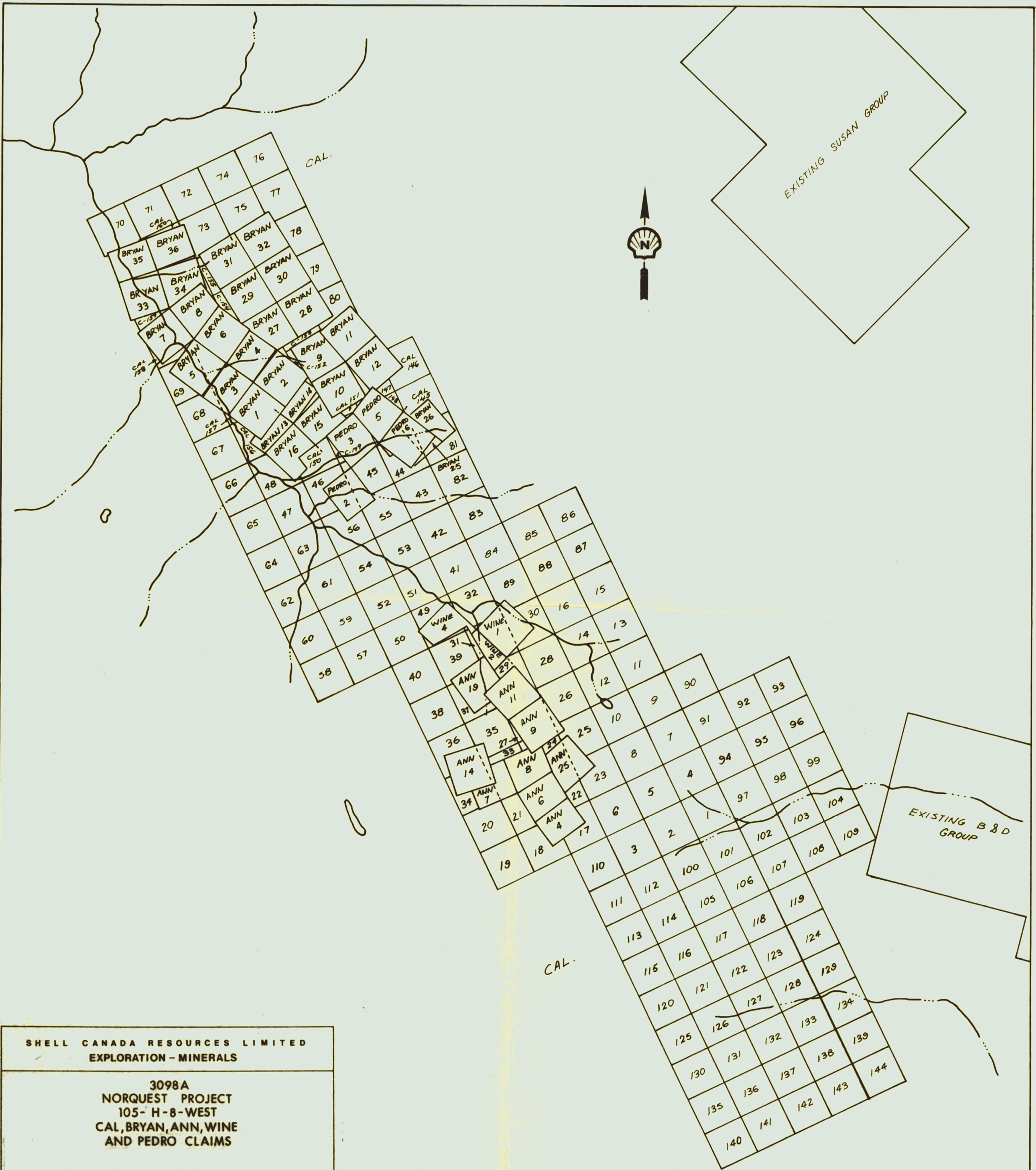
- a) I am a graduate of the University of Manitoba; B.Sc.; 1970,
- b) I am a Registered Professional Geologist in the Province of Alberta,
- c) I have practiced my profession for twelve years.

Dated at Calgary, Alberta this 20th day of October, 1981.

Signed:



W. A. MacLeod, P. Geol.
Senior Geologist
Minerals Exploration
Shell Canada Resources Limited



SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3098A
NORQUEST PROJECT
105-H-8-WEST
CAL, BRYAN, ANN, WINE
AND PEDRO CLAIMS

AUTHOR: W. M. McLEOD SCALE: 1" = 1/2 MILE DRAWING No.: YK-98E
 DATE: MARCH '81 REVISED: OCT. 81 ENCLOSURE No.:
 To Accompany

APPENDIX A
EXPENDITURE RECEIPTS

60 TH 200 17

BEMA INDUSTRIES LTD.

5700 203 STREET, LANGLEY, B.C. V3A 1W3 (604)530-9731

203, 19945 - 56 Ave., Langley, B.C. V3A 3Y2

INVOICE No 0901

DATE June 15, 1981

Shell Canada Resources Limited
P.O. Box 2801
400 - 4th Ave. S.W.
Calgary, Alta.
T2P 2M7

FILE NO.

PROJECT 81-23

Attention: Accounts Payable Department

RE: DRILL SITE PREPARATION
Agreement #RC 726890
PROGRESS BILLING

| | |
|-------------------------|---------------|
| Labour | \$ 8,556.42 ✓ |
| Disbursements | 2,320.72 ✓ |
| Bema Supplied Equipment | 1,205.00 ✓ |
| Bema Supplied Material | 434.09 ✓ |

\$12,516.23

THIS IS OUR ACCOUNT: \$12,516.23

BEMA INDUSTRIES LTD.

PER: Jan Johnson

DATE OF ISSUE: July 16, 1981

/mh



Handwritten notes and signatures including '3198H', '0036', '097 21 06', and a signature.

RECEIVED
JUL 24 1981
PURCHASING DEPT.

601428015

BEMA INDUSTRIES LTD.

5780-203 STREET, LANGLEY, B.C. V3A 3Y2 (604)530-9731

203, 19945 - 56 Ave., Langley, B.C. V3A 3Y2

INVOICE No 0937.

DATE June 30, 1981

FILE NO.

PROJECT 81-23

Shell Canada Resources Ltd.
P.O. Box 2801
400 - 4th Ave., S.W.
Calgary, Alta.
T2P 2M7

Attention: Accounts Payable Department

RE: DRILL SITE PREPARATION
Agreement #RC 726890
PROGRESS BILLING June 16 - 30, 1981

Labour

\$4,908.06 ✓

Bema Supplied Equipment

880.00 ✓

\$5,788.06

THIS IS OUR ACCOUNT: \$5,788.06

BEMA INDUSTRIES LTD.

PER: *[Signature]*

DATE OF ISSUE: July 24, 1981

/mh

[Handwritten notes and signatures]
31927
0036
072/01/81

RECEIVED
JUL 20 1981
PURCHASING DEPT.

BEMA INDUSTRIES LTD.

5780-203 STREET LANGLEY, B.C. V3A 1W3 (604)530-9731
203, 19945 - 56 Ave., Langley, B.C. V3A 3Y2

Shell Canada Resources Ltd.
P.O. Box 2801
400 - 4th Ave. S.W.
Calgary, Alta.
T2P 2M7

1K30207

Attention: Accounts Payable Department

INVOICE No 1051

DATE July 31, 1981

FILE NO.

PROJECT 81-23

RE: DRILL SITE PREPARATION
Agreement #RC 726890
PROGRESS BILLING July 1 - 31, 1981

Labour

\$4,357.50

Disbursements

~~266.83~~
2,736.83

RECEIVED
SEP - 9 1981
PURCHASING DEPT.

~~\$7,094.33~~
4,064.33

THIS IS OUR ACCOUNT: \$7,094.33

BEMA INDUSTRIES LTD.

PER: Jan Johnson

DATE OF ISSUE: August 21, 1981

/mh

BEMA INDUSTRIES LTD.

5780-203 STREET LANGLEY B.C. V3A 1W3 (604)530-9731
203, 19945 - 56 Ave., Langley, B. C. V3A 3Y2

Shell Canada Resources Ltd.
P.O. Box 2801
400 - 4th Ave., S.W.
Calgary, Alta.
T2P 2M7

INVOICE No 1200

DATE Aug. 31, 1981

FILE NO.

PROJECT 81-23

Attention: Accounts Payable Department

RE: DRILL SITE PREPARATION - AGREEMENT #726890
August 1 - 31, 1981
PROGRESS BILLING

DISBURSEMENTS

| | |
|-------------------------|-----------|
| Atlas Travel | \$ 549.35 |
| Avis Rent-a-car | 692.96 |
| Avis Rent-a-car | 625.90 |
| B. C. Telephone | 156.45 |
| C. P. Air | 91.17 |
| General Enterprises | 40.14 |
| Langley Travel | 181.45 |
| Langley Travel | (168.05) |
| Northern Metallic Sales | 370.50 |
| Northern Metallic Sales | 211.40 |
| Royal Bank Visa | 49.00 |
| Yukon Explosives | 24.74 |

RECEIVED
- 5 1981
PURCHASING DEPT.

2,825.01

15% disbursement charge 423.75

\$3,248.76

THIS IS OUR ACCOUNT: \$3,248.76

BEMA INDUSTRIES LTD.

PER: _____

DATE OF ISSUE: September 24, 1981

/mh



Approved
[Signature]



ALC AIRLIFT CORP.

20769 River Road, Maple Ridge, B.C. V2X 1Z8 Tel: (604) 467-6146

Hangar: Pitt Meadows Airport, B.C. (604) 465-8727

CHARTERER SHELL CANADA RESOURCES LTD.

ADDRESS _____

ORDER NO. _____

| | | | | |
|--------------|-----------|---|-----------|-----------|
| REGISTRATION | BASE | PROJECT | PILOT | ENGINEER |
| C-GMTB | NORQUEST. | | NISHIMURA | |
| DATE | WEATHER | FUEL SUPPLIED BY | | SPECIALTY |
| JUNE 19 / 81 | | CARRIER <input type="checkbox"/> | | |
| | | CHARTERER <input checked="" type="checkbox"/> | | |

| PROJECT TIME BROUGHT FWD | | | JOURNEY | PASSENGERS | | CARGO |
|--------------------------|------|------------|---------|------------|-----|-------|
| UP | DOWN | TOTAL HRS. | | NAME | NO. | |
| JUNE 7 | | 0 | | | | |
| 8 | | 1.2 | | | | |
| 9 | | 1.1 | | | | |
| 10 | | 3.7 | | | | |
| 11 | | 2.9 | | | | |
| 12 | | 2.2 | | | | |
| 13 | | 4.9 | | | | |
| 14 | | 1.6 | | | | |
| 15 | | 0.8 | | | | |
| 16 | | 3.3 | | | | |
| 17 | | 4.9 | | | | |
| 18 | | 4.7 | | | | |
| 19 | | 4.5 | | | | |

| | | | | | |
|---------------------|------|----|--------|--|--|
| TOTAL TIME AIRFRAME | | | | | |
| TOTAL TIME ENGINE | | | | | |
| NET TOTAL | 35.8 | AT | AMOUNT | | |
| PROJECT TOTAL | 42.6 | AT | | | |

| | | |
|----------------------|--------------------|--------------------|
| REQUISITIONED BY | CUSTOMER SIGNATURE | PILOT SIGNATURE |
| | <i>[Signature]</i> | <i>[Signature]</i> |
| THIS IS YOUR INVOICE | | Nº 0309 |



ALC AIRLIFT CORP.

20769 River Road, Maple Ridge, B.C. V2X 1Z8 Tel: (604) 467-6146

Hangar: Pitt Meadows Airport, B.C. (604) 465-8727

CHARTERER SHELL CANADA RESOURCES LTD.

ADDRESS _____

ORDER NO. _____

| | | | | |
|-------------------------------|-------------------------|--|---------------------------|-----------|
| REGISTRATION C-6MTB | BASE NPROVEST | PROJECT | PILOT NISHIMURA | ENGINEER |
| DATE JULY 13 / 81 | WEATHER | FUEL SUPPLIED BY CARRIER <input type="checkbox"/> CHARTERER <input checked="" type="checkbox"/> | | SPECIALTY |

| PROJECT TIME BROUGHT FWD | | | JOURNEY | PASSENGERS | | CARGO |
|--------------------------|------|------------|-------------------------------------|------------|-----|-------|
| UP | DOWN | TOTAL HRS. | | NAME | NO. | |
| JUNE 29 | | 3.4 | <i>[Large handwritten scribble]</i> | | | |
| JUNE 30 | | 6.0 | | | | |
| JULY 1 | | 4.8 | | | | |
| JULY 2 | | 1.1 | | | | |
| JULY 3 | | 5.8 | | | | |
| JULY 4 | | 3.6 | | | | |
| JULY 5 | | 3.8 | | | | |
| JULY 6 | | 8.6 | | | | |
| JULY 7 | | 3.6 | | | | |
| JULY 8 | | 1.8 | | | | |
| JULY 9 | | 2.3 | | | | |
| JULY 10 | | 2.3 | | | | |
| JULY 11 | | 5.4 | | | | |
| JULY 12 | | 3.4 | | | | |
| TOTAL TIME AIRFRAME | | | | | | |
| TOTAL TIME ENGINE | | | | | | |

| | | | |
|-------------------|-------|----|--|
| JUNE 29 - JULY 12 | 55.9 | AT | |
| PROJECT TOTAL | 126.4 | AT | |

| | | |
|------------------|--|---------------------------------------|
| REQUISITIONED BY | CUSTOMER SIGNATURE <i>[Signature]</i> | PILOT SIGNATURE <i>[Signature]</i> |
|------------------|--|---------------------------------------|

THIS IS YOUR INVOICE

Nº 0311

DAY-TIMER
Time-Saver

F
R
O
M

YUKON AVIATION PRODUCTS
BOX 363
WATSON LAKE, YUKON Y0A 1C0
Ph. (403) 536-7591

INVOICE No 007745

DATE: June 2/81 TERMS: net 30 days

Watson Lake, YT

SHIPPED TO — If other than invoice to

Shell Canada

T
O

YOUR ORDER NO.
Sandy McLeod

OUR ORDER NO.
43914

DATE SHIPPED
June 3/81

SHIPPED VIA
Grant Stewart

NO. CARTONS
30

SALESMAN
CH

| QUANTITY | DESCRIPTION | UNIT PRICE | AMOUNT |
|----------|-----------------------|------------|---------|
| 675.0 | Gal Av-jet J P-4 | 2.00 | 1350.00 |
| 225.0 | Gal. Reg Gas | 1.79 | 402.75 |
| 450.0 | Gal. Diesel | 1.77 | 796.50 |
| 15 | Lined (Deposit) drums | 50.00 | 750.00 |
| 15 | Unlined drums | 40.00 | 600.00 |
| | | TAX | |

All Tax Incl.

NOTICE

NO CREDIT FOR
DAMAGED DRUMS

PLEASE PAY THIS AMOUNT \$

3899.25

PLEASE RETURN DUPLICATE COPY WITH YOUR REMITTANCE OR SHOW INVOICE NUMBER ON YOUR REMITTANCE