

6192

Drilling Assessment Report
Eagle Claims 47-79, 81, 83, 85, 87, 89
February 24, 1977

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MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. <u>6192</u>

DRILLING ASSESSMENT REPORT
ON THE
EAGLE CLAIMS
47-79, 81, 83, 85, 87, 89

Lat. 58°30'N Long. 129°10'W
104 I, 6E & 11E
Liard Mining Division
British Columbia

for

Imperial Oil Limited
Minerals Section
314-1281 W. Georgia Street
Vancouver, B.C.

J. M. Marr
Feb. 24 '77

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DRILLING ASSESSMENT REPORT
ON THE EAGLE CLAIMS
47-79, 81, 83, 85, 87, 89
104 I, 6E & 11E, LIARD M.D.
British Columbia

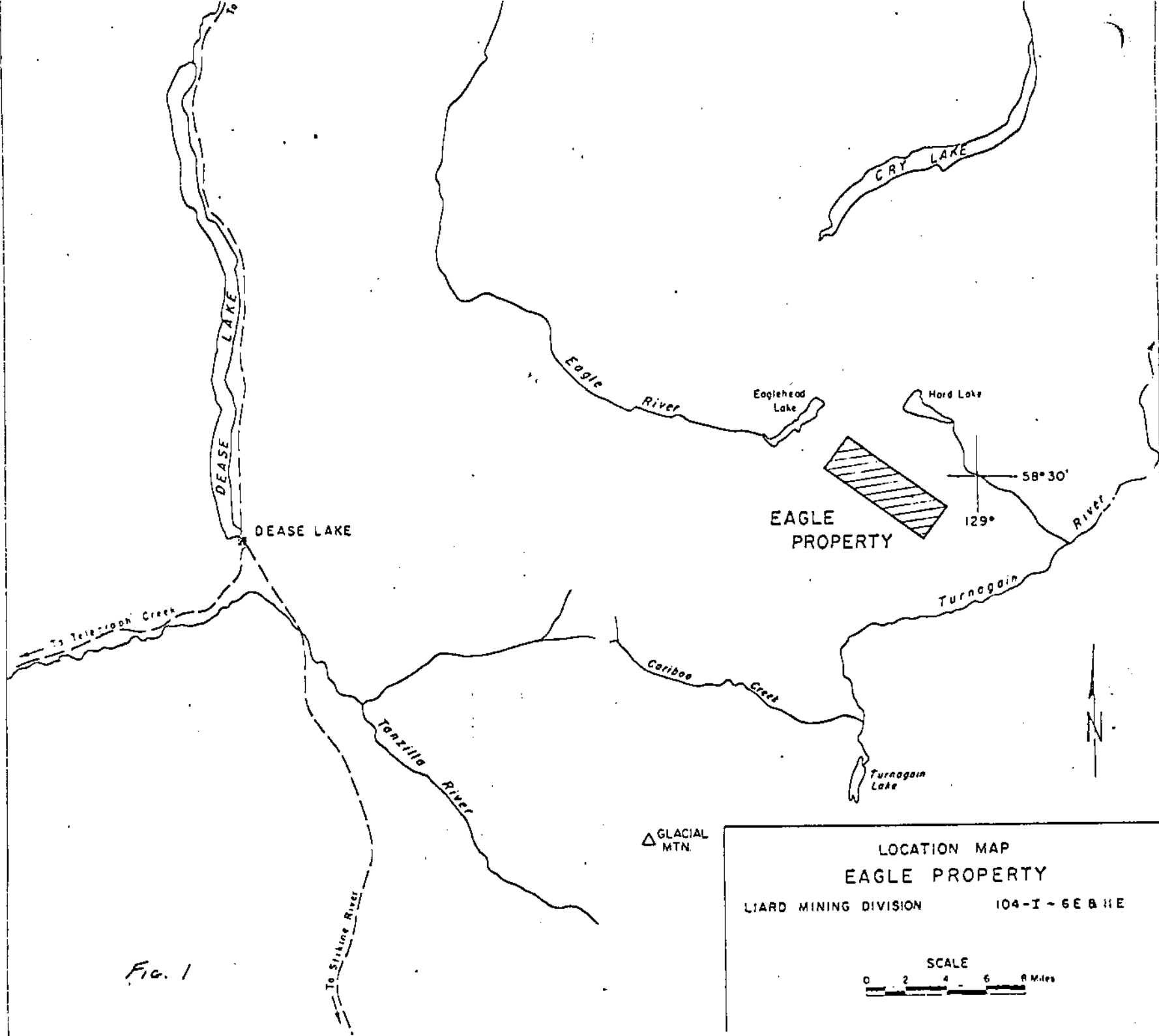
INTRODUCTION

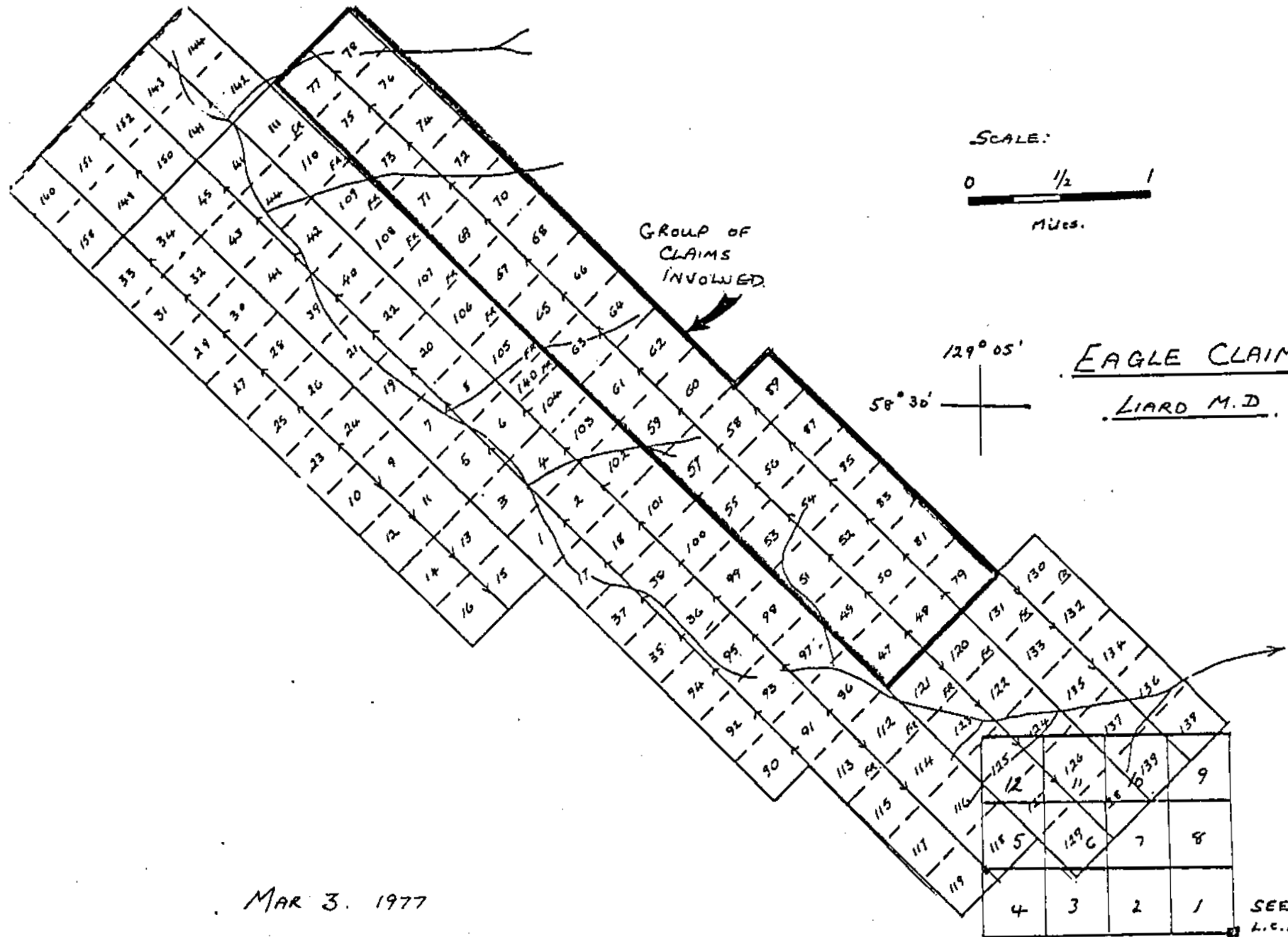
This report is submitted to obtain assessment credits on the Eagle claims 47-79, 81, 83, 85, 87, 89, located in the Liard Mining Division in northern B.C.

Access to the area is by fixed-wing aircraft from Dease Lake, approximately 48 km to the west, into Eaglehead Lake. The location of the claims is shown on Map 1 on the following page. The property on this occasion was serviced by a helicopter, stationed in a company base camp 50 km to the southeast.

The claims to which this work is being applied (see Map 2) are in the following position at the present time:

<u>Claims</u>	<u>Record Nos.</u>	<u>Recording Date</u>	<u>Expiry Date</u>
<u>Eagle</u>			
47-79	50696-50728	March 3, 1971	March 3, 1980
81	50729	March 3, 1971	March 3, 1980
83	50730	March 3, 1971	March 3, 1980
85	50731	March 3, 1971	March 3, 1980
87	50732	March 3, 1971	March 3, 1980
89	50733	March 3, 1971	March 3, 1980





SCALE:
 0 1/2 1
 Miles.

GROUP OF
 CLAIMS
 INVOLVED

129° 05'
 58° 30'

EAGLE CLAIMS.
LIARD M.D.

MAR 3. 1977

125	126	127	128	129
12	11	10	9	8
115	116	117	118	119
4	3	2	1	

SEE
 L.C.P.

J.M.M.

Drilling work only, to a value of \$18,400 (as explained later) is being applied to the claims in the block as follows:

<u>Claims</u>	<u>Record Nos.</u>	<u>No. of Years</u>	<u>New Expiry Date</u>
<u>Eagle</u> 47-59	50696-50708	3	March 3, 1983
85	50731	3	March 3, 1983
87	50732	3	March 3, 1983
89	50733	3	March 3, 1983
<u>Eagle</u> 60-79	50709-50728	2	March 3, 1982
81	50729	2	March 3, 1982
83	50730	2	March 3, 1982

Costs incurred (see cost statement)		\$ 18,573.75
16 claims x 3 years' credits @ \$200/year	\$9,600	
22 claims x 2 years' credits @ \$200/year	<u>8,800</u>	<u>18,400.00</u>
		<u>\$ 173.75</u>

These claims are wholly owned by Imperial Oil Limited. All the work herein reported was paid for by Imperial Oil Limited.

DIAMOND DRILLING

Supporting Data

D. W. Coates Enterprises Ltd. performed 3,428 feet (1,045 m) of BQ diameter diamond drilling on the property between June 24th and August 12th, 1976, in 5 holes. The work presently being applied concerns one of these holes with a length of 607 feet (199)m). Total costs for the project, directly concerning the diamond drilling, are itemized on the attached cost statement and are reduced in the proportion 607:3428 as shown for application to the hole in question.

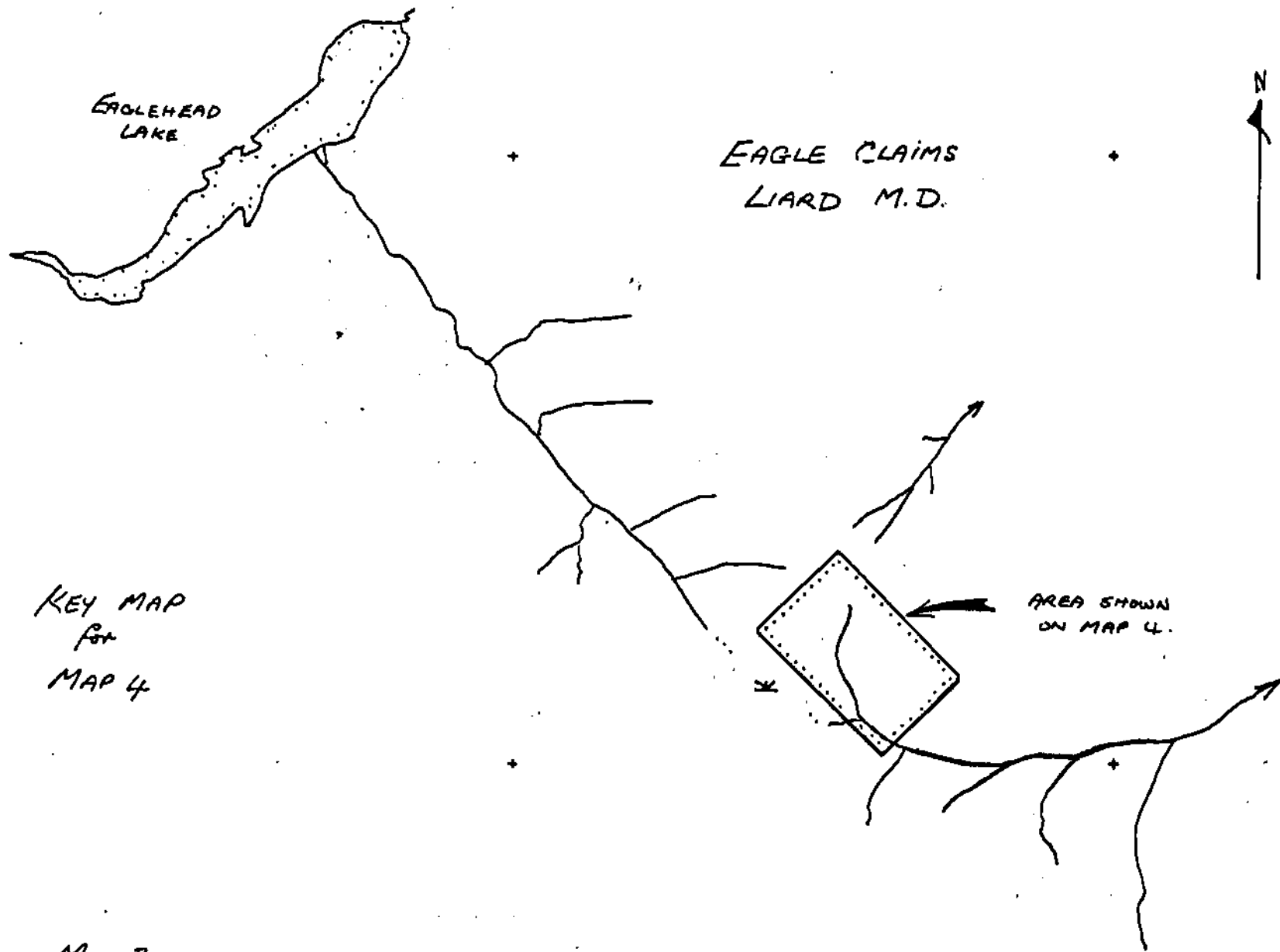
The location of this hole is shown on Map 4 in relation to recognizable topographic features of the area. Map 3 is a key map showing the regional location of the Map 4 area. The core is stored at the company camp, approximately 1300 feet (396 m) south-east of the south-eastern corner of Map 4.

A core log for this hole, company identification 32, follows this page.



J. M. Marr

JMM:JW



Map 3

JMM:man 24 Feb. 1977

0 1 2
SCALE IN MILES

DIAMOND DRILL CORE LOG

EAGLE PROPERTY

DRILL HOLE NO.	32	LOCATION:	See Map 4
AZIMUTH:	305°	CLAIM:	53
INCLINATION:	-50°	CORE SIZE:	BQ
ELEVATION:	5250 feet	CORE STORAGE:	At property
		LENGTH OF HOLE:	607 feet

DESCRIPTION

FROM	TO	
2	20.5'	Overburden.
20.5	139'	Dark green diabase dyke, with zones of alteration. Some calcite veining and xenoliths of country rock. Traces of fine pyrite only.
139'	420'	Moderately to intensely altered Quartz Diorite with large stretched quartz phenocrysts and sericitized plagioclase and biotite. Moderate fracture intensity, local quartz veining and hematite stain. Weak and sporadic fracture-related chalcopyrite and bornite.
420'	450'	Section of enhanced mineralization with chalcopyrite, bornite and minor pyrite on chloritic fractures. Host rock as previously described.
450'	475'	Yellow intensely sericitized Quartz Diorite, plagioclase and biotite grain boundaries obscure. Elongate quartz phenocrysts and hematized primary magnetite. Heavy fracture intensity. Slight amounts of mineralization.
475'	498'	Diabase dyke as before.
498'	607'	Intensely altered and fractured Quartz Diorite as previously described (450-475). Weak and sporadic mineralization of typical character.


J. M. Marr

Cost Statement
Eagle Diamond Drilling Project
June 24 - August 31, 1976

1. Wages

G. Bloy

June 24-30,	5 days	
July 1-31,	17 days	
August 1-12,	<u>11 days</u>	
	33 days @ \$45.00	\$1,485.00

R. Salkeld

June 24-30,	7 days	
July 1-31,	14 days	
August 1-12,	<u>12 days</u>	
	33 days @ \$34.00	1,122.00

J. Marr

June 24-30,	3 days	
July 1-31,	6 days	
August 1-12,	<u>1 day</u>	
	10 days @ \$80.00	<u>800.00</u>

\$3,407.00

2. Camp Costs

Field camp supplies and equipment, fuel, miscellaneous support costs and travel expenses	2,477.42
--	----------

3. Technical Costs

Core boxes, accessories, engineering and stationery supplies	1,692.31
---	----------

4. Services

Radiotelephone, fees and licences, charges	795.40
---	--------

5. Diamond Drilling Costs

D.W. Coates Enterprises Ltd.	65,710.78
------------------------------	-----------

6. Transportation Costs

Helicopter and fixed-wing charters, scheduled air travel, freight	<u>30,811.33</u>
--	------------------

Total	<u><u>\$104,894.24</u></u>
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Proportion applicable to this claim:

$$\frac{607}{3,428} \times \$104,494.24$$

\$ 18,573.75

Eagle, Nov. 2, 1976 6

A P P E N D I X

MAR 31 1961 RECD

SCHEDULE A

BID SHEET AND JOB SPECIFICATIONS

1. DESCRIPTION OF WORK;

The work is to consist of a series of drill holes, drilled at locations specified by Imperial. A total minimum footage of 3500 feet shall be drilled, but total footage may be extended by mutual consent. Maximum depth of any hole shall not exceed 1200 feet and minimum depth shall be 300 feet. The Contractor will not be called upon to drill any hole at a flatter angle than 50 degrees. Measurement of all holes shall be taken from the top of the casing pipe. If holes of a greater depth than _____ feet are desired, such drilling shall be performed only upon such conditions and at such rates as may be agreed upon before commencement of such drilling.

2. SCHEDULE OF RATES:

Imperial agrees to pay the Contractor for footage drilled and other services performed as follows:

(a) Coring at Bedrock

Depth Intervals	Rate	Size	Rate	Size
0 - 500 Ft.	\$ <u>13.60</u> /Ft.		\$ _____ /Ft.	
500 - 1000 Ft.	\$ <u>14.25</u> /Ft.		\$ _____ /Ft.	
1000 - 1200 Ft.	\$ <u>15.00</u> /Ft.		\$ _____ /Ft.	
_____ - _____ Ft.	\$ _____ /Ft.		\$ _____ /Ft.	

(b) Casing of Overburden

Depth Interval	Rate
0 - 50 Ft.	\$ <u>13.60</u> /Ft.
50 - 100 Ft.	\$ <u>15.00</u> /Ft.
<u>100</u> plus Ft.	\$ <u>Field Cost</u> /Ft.

(c) The following services will be provided on an operating Field Cost basis:

1. Casing of overburden over 100 ft.
2. Reaming and setting casing for borehole reduction, borehole stabilization, and control of return water.
3. Drilling caved or broken ground.
4. All cementing operations, excluding setting time but including drilling of set cement.
5. Supplying water to the drill when water supply over 1000 ft. lateral and/or 150 ft. vertical lift

from borehole collar under non-freezing conditions and N/A ft. lateral and/or N/A ft. vertical lift under freezing conditions.

- 6. Recovering pipe and/or casing at Imperial's request.
- 7. Hole orientation tests.
- 8. Setting of wedges, at Imperial's request, for the purpose of directional drilling.

Where operating Field Costs are defined as:

Operating Field Costs

Labour (including Supervision) \$14.50 per man hour.
 Tractor N/A per hour.
 Water Truck (excluding driver) N/A per hour.

Equipment

Drills	Type	Operating Hourly Rate
<u>34</u>	<u>Longyear</u>	<u>\$9.50</u>
<hr/>		
Pumps	Type	Operating Hourly Rate
<u>420</u>	<u>Bean</u>	<u>\$.90</u>
<hr/>		
Other	Type	Operating Hourly Rate
<u></u>	<u>Mud Mixer</u>	<u>\$.75</u>
<hr/>		

While operating on a Field Cost basis, supplies consumed or damaged beyond use, including diamond articles, mud ingredients, cement, rods, core barrels, etc. shall be for Imperial's account at site replacement value plus 15 %. However, if due to Contractor negligence, or through poor drilling practices, equipment is damaged or lost and hole is not completed, then these costs shall be for Contractor's account.

(d) The following services would be provided on a non-operating Field Cost basis:

- 1. Setting time for cement.
- 2. Delays caused by Imperial.

Where non-operating Field Costs are defined as:

(k) Special Agreements

• Mobilization - Demobilization

The Company agrees to move the Contractor's men, equipment and supplies from the last hole in the Atan Lake project to the first hole site at the Eagle project on a field cost basis. The Company further agrees that such move would include all necessary trucks and aircraft as necessary and the construction of a suitable camp. The move from the last hole site at Eagle to the Dease road would also be performed on a field cost basis.

The Contractor would demob his men and equipment to his base from road site for the lump sum of \$1400.00.

Moving between hole locations would be performed on a field cost basis. The Company would supply the helicopter to move between drill locations at no cost to the Contractor.

All fuel for camp and drill will be supplied by Contractor.

L.W. COATES ENTERPRISES LTD.

256A SIMPSON ROAD
RICHMOND, B.C.
V6X 2P9

INVOICE NO.: 999
JOB NO.: 270
DATE: July 7/76

Imperial Oil Limited
Minerals Section
314 - 1281 West Georgia St.
Vancouver, B. C. V6E 3J7

Project: Eaglehead Lake Drilling

PERIOD: June 23 - 30, 1976

Drilling Detail	\$8866.25
Travelling Time	336.00
Transportation	5645.00
Room & Board	260.00
Core Splitter	9.00
	<hr/>
	\$15,116.25

APPROVED FOR PAYMENT

BY *[Signature]*

CHARGE 83-025-28-9300-1150-3201

JUL 21 ENT'D

JUL 26 REC'D

D.W. COATES ENTERPRISES LTD.

256A SIMPSON ROAD
RICHMOND, B.C.
V6X 2P9

INVOICE NO.: 1008

JOB NO.: 270

DATE: July 21/76

Imperial Oil Limited
Minerals Section
314 - 1281 West Georgia St.
Vancouver, B . C.

Eaglehead Lake Drilling

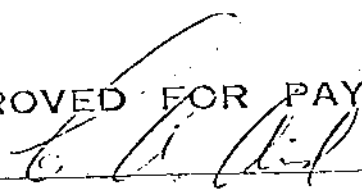
PERIOD: July 1 - 14, 1976

Drilling Detail	\$21,817.00 ✓
Reaming Casing	80.60 ✓
Drilling with Mud	122.48 ✓
Moving Setting Up & Tearing Down	1,508.00 ✓
Travelling Time	816.00 ✓
Acid Testings	130.50 ✓
Board & Room	950.00 ✓
Core Splitter	15.00 ✓

\$25,439.58

APPROVED FOR PAYMENT

BY



CHARGE 83-025-28-9300-1150-3201

AUG 4

ENT'D

AUG 17 RECD

D.W. COATES ENTERPRISES LTD.

256A SIMPSON ROAD
RICHMOND, B.C.
V6X 2P9

INVOICE NO.: 1023

JOB NO.: 270

DATE: Aug 13/76

Imperial Oil Limited
Minerals Section
314 -1281 West Gerogia St.
Vancouver, B. C. V6E 3J7

Eaglehead Lake Drilling

RIOD: July 15 - 31, 1976

Drilling Detail	\$13,130.85 ✓
Reaming Casing & Hole Stabilizing	806.00 ✓
Drilling with Mud	300.00 ✓
Moving, Setting Up & Tearing Down	1,566.00 ✓
Standby	154.50 ✓
Acid Testing	42.75 ✓
Room & Board	1,020.00 ✓
Core Splitter	15.00 ✓
Other Charges	456.00 ✓

\$17,491.10 ✓

APPROVED FOR PAYMENT

BY *F. A. [Signature]*

CHARGE 83-025-28-629300-1150-3201

AUG 20 1976

AUG 24 RECD

D.W. COATES ENTERPRISES LTD.

256A SIMPSON ROAD
RICHMOND, B.C.
V6X 2P9

INVOICE NO.: 1025

JOB NO.: 270

DATE: August 19/76

Imperial Oil Limited
Minerals Section
314 - 1281 W. Georgia St.
Vancouver, B. C. V6E 3J7

Eaglehead Lake Drilling

PERIOD: August 1 - 6, 1976

Drilling Detail	\$3472.10 ✓
Demobilization	3488.00 ✓
Acid Testing	42.75 ✓
Room & Board	130.00 ✓
Core Splitter	6.00 ✓
Other Charges	525.00 ✓
	<u>\$7663.85</u>

APPROVED FOR PAYMENT

BY *[Signature]*

CHARGE 83-025-28-9300-1150-3201

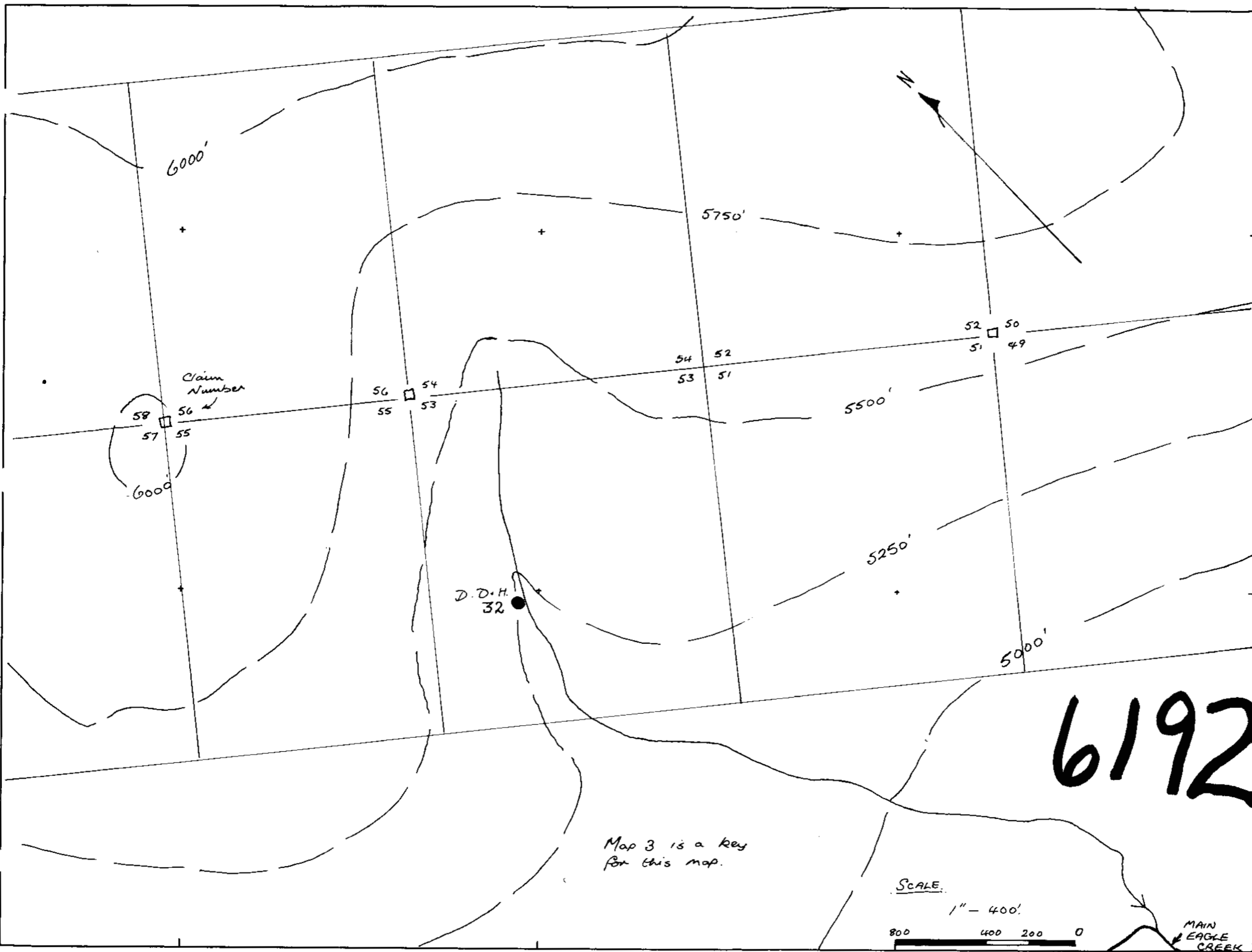
AUG 24 ENT'D

STATEMENT OF QUALIFICATIONS

I, John M. Marr, of North Vancouver, B.C.
hereby certify the following qualifications:

- (a) I obtained a B.Sc.(Hons.) degree in Geology (1968) from St. Andrews University, Fife, Scotland.
- (b) I obtained an M.Sc. degree in Geology (1970) from the University of Manitoba, Winnipeg, Manitoba.
- (c) I have been practising my profession as a geologist in Canada since that time.

Handwritten signature of John M. Marr in black ink.



LOCATION OF
DIAMOND DRILL HOLE
32
EAGLE PROPERTY

- DRILL HOLE
- CLAIM POST LOCATION

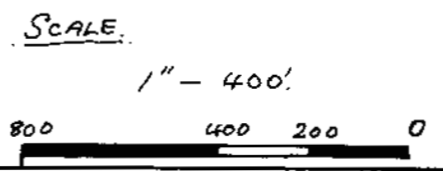
- Contours ~ 2500 ~
- Stream or creek (Perennial, intermittent)
- Marsh
- Lake
- Road
- Jeep Road
- Trail
- Trees

6192

IMPERIAL OIL LIMITED - MINERALS

Project No. 9300
 Mining Division LIARD
 Latitude 38° 30' N
 Longitude 129° 10' W
 NTS 104 T
 To Accompany a Report By: J. MARR
 Dated FEB 24 1970
 Map No. 4

Map 3 is a key
for this map.



MAIN
EAGLE
CREEK