

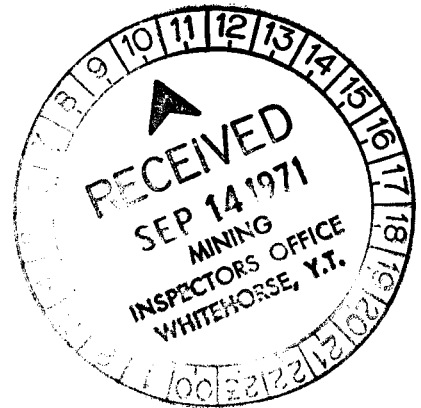
RAY CLAIMS 1-6

REPORT ON GEOLOGICAL SURVEY  
JULY 16-20, 1971

(N Lat. 61°58'; W. Long. 140°46')

Claim Sheet 115-F-15

Whitehorse M.D.



By

Richard W. Oddy, P. Geol.

This report has been examined by the  
Geological Survey of Canada and is  
certified to be a true and correct  
copy of the original report.

\$2426.50

*D.B. Craig*

Considered as a true and correct copy under  
Section 33 (4) of the Mining Act.

*[Signature]*  
Commissioner of Yukon Territory

August 1971

Imperial Oil Enterprises Ltd.  
500 - 6th Avenue S.W.  
Calgary 1, Alberta

## TABLE OF CONTENTS

	<u>Page</u>
I. INTRODUCTION	1
II. LOCATION & ACCESS	1
III. REGIONAL GEOLOGY	2
IV. DETAILED GEOLOGY	2
V. MINERALIZATION	5
VI. CONCLUSIONS	5
VII. RECOMMENDATIONS	6
APPENDIX 'A' - Assessment Details	
APPENDIX 'B' - Declaration of Expenditures	
APPENDIX 'C' - Statutory Declaration	
APPENDIX 'D' - Certificate of Qualifications	
APPENDIX 'E' - Assay Certificates	
ILLUSTRATIONS:	
Figure 1 - Index Map - Ray Claim Group	Following Page 1
Figure 2 - Geological Map - Ray Claims	Rear Pocket
Figure 3 - Assay Sections - Ray Claims	Rear Pocket

RAY CLAIMS 1-6  
REPORT ON GEOLOGICAL SURVEY

R. W. Oddy  
July 16-20, 1971

I. INTRODUCTION

The Ray claim group, located in the White River area of Whitehorse Mining Division, was staked in July, 1970 to protect an area of copper mineralization that was discovered during detailed prospecting of areas highlighted by a regional geochemical exploration program carried out in 1966.

Geological mapping and assay sampling were undertaken between July 16 and 20, 1971 inclusive. The results of this work are described herein.

The claims, which total six, were recorded on August 11, 1970. They are owned jointly by Imperial Oil Enterprises Ltd. (50%), Bow Valley Industries Ltd. (25%), and Canadian Industrial Gas & Oil Ltd. (25%).

II. LOCATION AND ACCESS

The Ray claims are located about seven miles directly west of Mile 1169 on the Alaska Highway near the headwaters of Sanpete Creek. The claims straddle a rugged northwest-southeast trending ridge (see Index Map, Figure 1). Altitudes on the claims range from 5,200' to 6,600', with the copper showings located near the top of the ridge. The terrain is very rugged with abundant outcrops along the main ridge and talus extending downhill to Sanpete Creek.

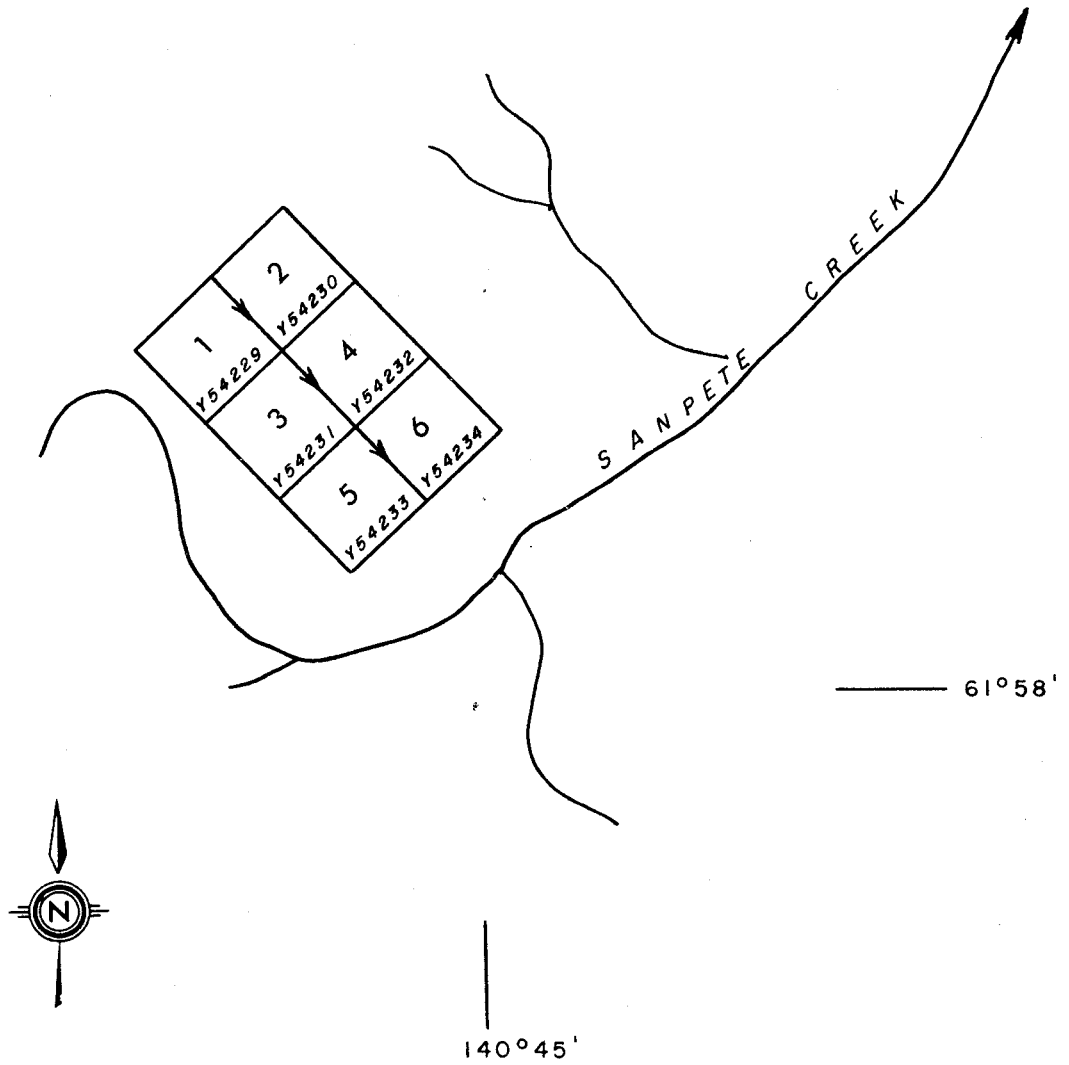
INDEX MAP

RAY CLAIM GROUP

WHITEHORSE M.D.

SHEET 115-F-15

SCALE: 1 inch = 1/2 mile



IMPERIAL OIL ENTERPRISES LTD.

*R.M.O.*

FIGURE 1

Access to the claim group is via helicopter from Mile 1169 on the Alaska Highway. This point on the highway is 250 road miles from Whitehorse.

### III. REGIONAL GEOLOGY

The Ray claim area lies in the Nutzotin Ranges of the Kluane Mountain Ranges west of the Shakwak Trench in southwestern Yukon. The Kluane Ranges consist of a folded eugeosynclinal assemblage of volcanic and sedimentary rocks ranging from Upper Paleozoic (Permian ?) to Cretaceous in age. These rocks have been invaded by sill-like ultramafic bodies and intermediate and granitic intrusives of Cretaceous and Tertiary age. In some areas more recent sediments (sand, conglomerate, shale, coal) and lavas and pyroclastics are found overlying the older rocks. Folding and thrust-faulting has played an important role in molding the present mountain structure.

In the Nutzotin Range irregular intrusive bodies composed of diorite, quartz diorite or granodiorite have invaded Upper Triassic basalts and andesites and Upper Jurassic and Lower Cretaceous argillite, greywacke, chert and limestone. The intrusions have been mapped as the Kluane Range intrusions of Cretaceous age.

### IV. DETAILED GEOLOGY

Geological mapping on the Ray claims was done at a 1 inch to 500 feet scale using blown up aerial photographs and topographic maps for control. The rugged terrain prevented the establishment of a surveyed grid so that pace and compass surveying from identifiable topographic points was used instead. The geological map is presented as Figure 2 in this report.

The lowermost rock unit exposed on the Ray claims, in both a topographic and stratigraphic sense, consists of dark green and brown andesites. They have the general appearance of massive flows although original structures are not recognizable due to alteration. The attitude of the andesitic flows could not be determined with any certainty. Most of the andesites are porphyritic containing hornblende and feldspar phenocrysts in a dark, fine grained matrix. Amygdaloidal varieties with calcite and epidote infilling are also common. The andesites have undergone propylitic alteration and chlorite, epidote and calcite are recognizable secondary minerals. Pyrite is found along some fracture planes, but is not abundant. Hornblende and feldspar porphyry dykes and quartz veins have cut the andesites. Minor shale beds and basalts occur interbedded with the andesites. This rock unit probably is part of the Upper Triassic Mush Lake Group.

Unconformably overlying the andesites is a thick bed of light grey, massive limestone, which where best exposed is at least 300 feet thick. The limestone bed strikes approximately east-west and dips gently, at about  $10^{\circ}$ , to the north. A few black chert nodules are found in the limestone. It is cut extensively by porphyry dykes and sills and has been intruded by an irregular stock-like body of dioritic composition. The limestone has been thermally altered to skarn in the vicinity of the dioritic intrusion and near dacite dykes. The limestone-skarn contacts are sharp and easily mapped.

Epidote-garnet skarn occurs near the uppermost contact of the limestone bed along intrusive contacts and within the dioritic intrusion as xenoliths of altered limestone. The skarn weathers light

green and is composed of a mixture of pale green epidote and light brown garnet. Almost all of the copper mineralization found on the Ray claims occurs in skarn.

Light brown to black banded cherts overlie the limestone in a conformable manner. The chert beds vary from 1/4 inch to several feet in thicknesses. The banded appearance is quite distinct in outcrop. The chert beds strike approximately east-west and dip about 10°N. Minor pyrrhotite and pyrite occur in the chert, particularly near porphyry sills and dykes.

The limestone and chert are probably part of the Upper Jurassic and Lower Cretaceous Dezadeash Group.

Andesite, limestone, and chert are exposed on the southwest facing slope of the main ridge, while dioritic intrusions are exposed on the ridge crest and on the northeast facing slope. The diorite is an irregular intrusion which cuts all of the bedded rocks. It includes anorthosite and gabbro as well as diorite. The diorite ranges from fine to coarse grained and contains disseminated pyrrhotite and magnetite.

All of the rocks, with the exception of the diorite, are extensively cut by porphyry dykes and sills and by dacite dykes. Age relationships between the various porphyries and the main dioritic intrusion are uncertain. The porphyries include hornblende porphyry, feldspar porphyry, hornblende-feldspar porphyry and porphyritic rhyolite. The matrix varies from light to dark. Sill-like bodies of porphyry are generally 10 to 20 feet thick, whereas dykes are generally 6 inches to 5 feet thick and appear to have random orientations. The dacite is a light green, fine grained rock that occurs as dyke-like bodies. Disseminated pyrite and pyrrhotite occur in the dacite.

## V. MINERALIZATION

The most heavily mineralized skarn zone occurs as a xenolith within the dioritic intrusion on Ray 4. The skarn zone is approximately 500 feet by 150 feet, although it is not all mineralized. Malachite, chalcopyrite, pyrite, pyrrhotite and magnetite can be recognized in the mineralized portion of the skarn zone.

One continuous assayed section across 55 feet averages 0.23% copper (see Figure 3). A second continuous section across 172 feet averages 0.19% copper. The best section assays 0.80% copper across 10.0 feet.

A second zone of skarn, which is heavily mineralized with massive pyrrhotite and minor chalcopyrite, occurs on Ray 1 along the contact between limestone and a dacite dyke. The mineralized zone is about 150 feet by 20 feet. Assays across narrow widths range from 0.29% to .03% copper (see Figure 2).

Additional smaller skarn zones, with minor copper mineralization, occur along the contact between limestone and the dioritic intrusion and as xenoliths within the diorite (not all shown on map) on Ray 4 and 6. Assays across narrow widths range from 2.29% to .02% copper.

A showing in limestone on Ray 1 assayed 0.91% copper across 40 feet.

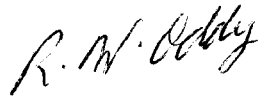
## VI. CONCLUSIONS

Copper mineralization on the Ray claims is restricted to narrow and discontinuous skarn zones. Assay values for copper are, with few exceptions, well below economic grade, generally averaging around 0.2% copper.

The garnet-epidote skarn has formed as the result of thermal alteration of Dezadeash Group limestone by a dioritic intrusive body and occur along the intrusive-limestone contact and as xenoliths of altered limestone caught up in the intrusion. The most common sulphide minerals are pyrrhotite, pyrite and chalcopyrite. Malachite and magnetite are also found.

VII. RECOMMENDATIONS

No further exploratory work can be recommended.



AUGUST 31, 1971

IMPERIAL OIL ENTERPRISES LTD.

RICHARD W. ODDY, P. GEOL.

APPENDIX 'A'

Assessment Details

PROPERTY: Ray Claims 1-6

MINING DIVISION: Whitehorse

OWNERS: Imperial Oil Enterprises (50%);  
Bow Valley Industries (25%);  
Canadian Industrial Gas & Oil (25%).

CLAIMS: Ray 1-6 Y 54229 - Y 54234

DATE RECORDED: August 11, 1970

TYPE OF SURVEY: Geological DATES: July 16 - 20, 1971

NO. OF MEN EMPLOYED: Five TOTAL MAN DAYS: 21

NAMES OF PERSONNEL:

Richard W. Oddy, Calgary, Alberta - Geologist

Martin G. Morrice, Winnipeg, Manitoba - Grad. Student

George Ongyerth, Chilliwack, B.C - Student

Walter D. Melnyk, Krydor, Saskatchewan - Student

William A. Metner, Moosehorn, Manitoba - Student

TOTAL EXPENDITURE: \$2,426.00

WORK CREDITS  
REQUESTED: Ray 1-6 - 3 years each TOTAL YEARS: 18

DATED: 20 August 1971

IMPERIAL OIL ENTERPRISES LTD.

RICHARD W. ODDY, P. GEOL.

*R. W. Oddy*

APPENDIX 'B'

Declaration of Expenditures

1. SALARIES

	<u>Monthly Rate</u>	<u>No. of Days</u>	<u>Total Paid</u>
R.W. Oddy	\$1,145	1	\$ 52
M.G. Morrice	800	5	182
G. Ongyerth	625	5	142
W.D. Melnyk	600	5	136
W.A. Metner	500	5	<u>114</u>
Total Salaries:			\$ 626.00

2. LIVING EXPENSES

4-man geological crew and 2 man helicopter crew @ \$12.50/day/man for 5 days (meals & accommodation).	375.00
---	--------

3. TRANSPORTATION

Bell 47G-3B-2 Helicopter - 9.5 hours @ \$150/hour	1,425.00
Total Expenditures	<u>\$ 2,426.00</u>

Work credit requested for 6 claims for 3 years each;  
total claim years - 18.

DATED: 20 AUGUST 1971

IMPERIAL OIL ENTERPRISES LTD.

RICHARD W. ODDY, P. GEOL.

*R. W. Oddy*

T  
N  
T



# TRANS NORTH TURBO AIR LTD.

BOX 1977      PHONE 668-2177  
WHITEHORSE, YUKON



TO: [ Imperial Oil Enterprises Ltd.  
Box 259  
Whitehorse, Y.T.

Attn: Mr. R.W. Oddy

DATE July 31, 1971

INVOICE NO. 475 - 71

P.O. NO.

RE: 30 day contract being July 5 to August 5, 1971.  
Bell 47G-3B-1 Helicopter CF-RLP  
Crew: Romfo and Miller

FLYING: July 9 - 15, 1971  
Daily Flight Report No.s. 6902, 6904, 6906  
6907, 6910, 6911 and 6912

23.6 hours at \$150.00 per hour      \$3,540.00  
(1-29 day rate when carrier supplies fuel)

PLUS: Fuel supplied by T.N.T.A. at following  
points:  
Charterer assessed with cost of fuel  
over 60¢ per gallon

Burwash

20 gallons at 49¢ per gallon      \$ 9.80

Haines Junction

20 gallons at 39¢ per gallon      7.80

Koidern

385 gallons at 96¢ per gallon      369.60      387.20

Bell 47G-3B-2 Helicopter CF-QFQ  
Crew: Kamiha and Ducey

FLYING: July 16 to August 5, 1971  
Daily Flight Report No.s 8221, 8223,  
8224, 8225, 8226, 8228, 8231, 8232,  
8235, 8236, 8239, 8241, 8247, 8250 -  
8254

9.5  
~~4.0~~ hours at \$150.00 per hour  
(1-29 day rate when carrier supplies fuel)

\$ 1,425.00  
6,450.00

.....continued 2/

PLUS:	Fuel supplied by T.N.T.A. at Koidern Charterer assessed with cost of fuel over 60¢ per gallon	
	775 gallons at 96¢ per gallon	744.00
PLUS:	Oil supplied by T.N.T.A. on the above flying	
	67 quarts at 75¢ per quart	50.25
	INVOICE TOTAL	<u>\$11,171.45</u>

TERMS: One per cent interest per month will be  
charged on all invoices not paid within  
30 days of date issued.

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE JULY 16 71

CHARTERER: Imperial Oil Ent  
 ADDRESS: \_\_\_\_\_  
 AIRCRAFT: BELL 47 B2 CF - QFQ AREA: YUKON  ALTA   
 B.C.  NWT

CHARTER FROM:	PASS.	CARGO	HRS.	PASS. NAMES OR REMAR
<u>Koidern to</u>				
<u>Sampete in</u>	<u>4</u>		<u>1.9</u>	
<u>Foly men out &amp; in Koidern</u>				
TOTALS			<u>1.9</u>	
TNTA FUEL <u>1.9</u> HRS.				

TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

T. Kainher  
 PILOT'S SIGNATURE

M. G. Morris  
 CHARTERER'S SIGNATURE

No 8221





No. (5)

Aug 21 1971

Received from Imperial Oil

One thousand three hundred seventy <sup>50</sup>/<sub>100</sub> Dollars

Accommodation & meals

July 13 to July 31

\$ 1373.50 A. Dickson

Apply to man at \$12.50/day for 5 days (July 16-20) =

\$375. to Ray Claims

RWD

5  
BLUELINE

Canada  
Province of Alberta

TO WIT:

In the Matter of an Application by Imperial Oil Enterprises Ltd. to the Department of Indian Affairs & Northern Development, pursuant to the Yukon Quartz Mining Act, Section 53 for Certificates of Work for the Ray Mineral Claims, Whitehorse M.D., Yukon.

I, RICHARD W. ODDY  
of the CITY OF CALGARY  
in the Province of Alberta, PROFESSIONAL GEOLOGIST

do solemnly declare that

- During the period July 16 to 20, 1971, Imperial Oil Enterprises Ltd. retained the services of the following five geologists and students at the salaries and for the number of days set forth opposite each, and paid each the amount shown below for their services during that period, for work performed on the Ray Mineral claims.

			<u>Total Paid</u>
Richard W. Oddy	\$1,145/Mo.	1 day	\$ 52.00
Martin G. Morrice	\$ 800/Mo.	5 days	\$ 182.00
George Ongyerth	\$ 625/Mo.	5 days	\$ 142.00
Walter D. Melnyk	\$ 600/Mo.	5 days	\$ 136.00
William A. Metner	\$ 500/Mo.	5 days	\$ 114.00
<b>Total Salaries Paid</b>			<u>\$ 626.00</u>

- In addition to the foregoing, the following direct costs were incurred:

a) Living Expenses - 6 Men at \$12.50/day/man for 5 days	\$ 375.00
b) Transportation - 9.5 Hours Helicopter Use @ \$150/Hr.	\$ <sup>1,425.00</sup> <del>1,225.00</del>
<b>Total Expenditures</b>	<u>\$ <sup>2,226.00</sup><del>2,226.00</del></u> <u>2,426.00</u>

- This declaration is made for the purpose of obtaining Certificates of Work for the Ray Mineral Claims.

AND I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of "The Canada Evidence Act."

DECLARED before me at the CITY

of CALGARY

in the Province of Alberta,

this 20<sup>th</sup> day of AUGUST

A.D. 19 71 .

*Richard W. Oddy*

*Fred Kelly*

APPENDIX 'D'

CERTIFICATE OF QUALIFICATIONS

I, Richard William Oddy, of the City of Calgary, Province of Alberta, do hereby certify that:

1. I am a geologist residing at 10019 Maplecreek Drive, Calgary, Alberta.
2. I am a graduate of the University of British Columbia with a B.Sc. in Geology (1962), and of the University of Manitoba with a M.Sc. in Geology (1969).
3. I am a Fellow of the Geological Association of Canada and a member of the Association of Professional Engineers of Alberta.
4. I have been practicing my profession for eight years.
5. I am an employee of Imperial Oil Enterprises Ltd., and have worked for Imperial for five years.
6. The statements made in this report are based on field examinations at the property, study of published geological literature and unpublished private maps and reports.
7. Permission is granted to use in whole or in part for assessment requirements but not for advertising purposes.

*Richard W. Oddy*

DATED: 20 AUGUST 1971

RICHARD W. ODDY, M.Sc., P.Geol.



BONDAR-CLEGG & COMPANY LTD.

geochemists • assayers • analytical chemists

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.  
PHONE: 988-5315

Page #1

TELEX: 04-54554  
August 16, 1971  
Report # A 41-18

CERTIFICATE OF ASSAY

TO Imperial Oil Enterprises Ltd.

P. O. Box 259 *RAY CLAIMS*

Whitehorse, Y.T. Attn: R. W. Oddy

I hereby certify that the following are the results of assays made by us upon the herein described rock samples.

MARKED	GOLD		SILVER	Cu	Zn	Ni					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
619				0.04	LO.01	LO.01					
620				0.84	--	0.05					
621				0.52	--	LO.01					
622				0.26	--	LO.01					
623				0.25	--	0.01					
624				0.03	--	LO.01					
625				0.29	--	0.02					
626				0.15	--	0.03					
788				0.24	--	LO.01					
789				0.03	--	LO.01					
790				0.01	--	LO.01					
791				0.34	--	LO.01					
792				0.13	--	LO.01					
793				0.80	--	LO.01					
794				0.20	--	LO.01					

NOTE: Rejects retained two weeks  
Pulps retained three months  
unless otherwise arranged.

Gold & Silver values reported on these sheets have not been adjusted to compensate losses and gains inherent in fire assay methods.

Gold calculated at \$..... per ounce per

*J. German*  
Registered Assayer, Province of British Columbia



BONDAR-CLEGG & COMPANY LTD.

geochemists • assayers • analytical chemists

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.  
PHONE: 988-5315

TELEX: 04-54554

CERTIFICATE OF ASSAY

August 16, 1971

Report # A 41-18

TO Imperial Oil Enterprises Ltd.

P. O. Box 259

Whitehorse, Y.T. Attn: R. W. Oddy

I hereby certify that the following are the results of assays made by us upon the herein described rock samples.

MARKED	GOLD		SILVER	Cu	Zn	Ni					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
795				0.08	--	L0.01					
796				0.19	--	L0.01					
797				0.20	--	L0.01					
798				0.26	--	L0.01					
799				0.25	0.02	L0.01					
800				0.19	--	L0.01					
1255				0.45	--	--					
1256				0.03	--	--					
1257				0.02	--	--					
1258				0.91	--	--					
1355				0.03	--	L0.01					
1356				0.11	--	L0.01					
1357				0.10	L0.01	L0.01					
1358				0.06	L0.01	L0.01					
1359				0.11	--	L0.01					

NOTE: Rejects retained two weeks  
Pulps retained three months  
unless otherwise arranged.

Gold & Silver values reported on these sheets  
have not been adjusted to compensate losses and  
gains inherent in fire assay methods.

Gold calculated at \$.....per ounce

per

J. German

Registered Assayer, Province of British Columbia



BONDAR-CLEGG & COMPANY LTD.

geochemists • assayers • analytical chemists

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.  
PHONE: 988-5315

TELEX: 04-54554

CERTIFICATE OF ASSAY

August 16, 1971

Report # A 41-18

TO Imperial Oil Enterprises Ltd.

P. O. Box 259

Whitehorse, Y.T. Attn: R. W. Oddy

I hereby certify that the following are the results of assays made by us upon the herein described rock samples.

MARKED	GOLD		SILVER	Cu	Zn	Ni					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
1360				0.04	LO.01	LO.01					
1361				0.26	--	LO.01					
1362				0.21	--	LO.01					
1363				0.23	--	LO.01					
1364				0.22	--	LO.01					
1365				0.23	--	LO.01					
1366				2.29	0.08	--					
1367				0.05	--	--					
1368				0.10	--	--					
1369				0.12	LO.01	--					
1370				0.20	--	--					
1371				0.04	--	--					
1372				0.47	--	--					
1373				0.54	--	--					
1374				0.69	--	--					

NOTE: Rejects retained two weeks  
Pulps retained three months  
unless otherwise arranged.

Gold & Silver values reported on these sheets have not been adjusted to compensate losses and gains inherent in fire assay methods.

Gold calculated at \$.....per ounce per .....

J. German  
*J. German*  
Registered Assayer, Province of British Columbia



**BONDAR-CLEGG & COMPANY LTD.**

geochemists • assayers • analytical chemists

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.  
PHONE: 988-5315

TELEX: 04-54554

Page #4

**CERTIFICATE OF ASSAY**

August 16, 1971

Report A 41-18

TO Imperial Oil Enterprises Ltd.

P. O. Box 259

Whitehorse, Y.T. Attn: R. W. Oddy

I hereby certify that the following are the results of assays made by us upon the herein described rock samples.

MARKED	GOLD		SILVER	Cu	Zn	Ni					TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
1375				0.84	--	--					
1376				0.43	--	--					
2016				0.12	--	L0.01					
2017				0.26	--	L0.01					
2018				1.21	--	L0.01					
2019				0.54	--	L0.01					
2020				0.22	--	L0.01					

NOTE: L means Less Than

NOTE:  
Rejects retained two weeks  
Pulps retained three months  
unless otherwise arranged.

Gold & Silver values reported on these sheets  
have not been adjusted to compensate losses and  
gains inherent in fire assay methods.

Gold calculated at \$.....per ounce

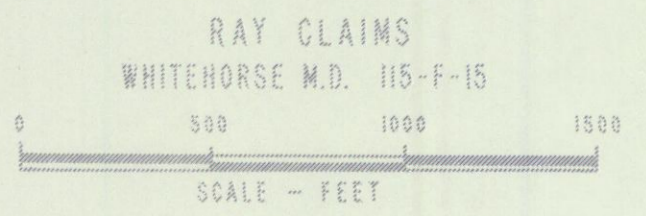
per.....

J. German

Registered Assayer, Province of British Columbia



- LEGEND
- 8 PORPHYRY
  - 7 DACITE
  - 6 DIORITE
  - 5 BANDED CHERT
  - 4 SKARN (CALC-SILICATES)
  - 3 LIMESTONE
  - 2 SHALE
  - 1 ANDESITE
- ☒ MINERAL OCCURRENCES  
 mt MAGNETITE  
 Cu COPPER  
 po PYRRHOTITE  
 py PYRITE
- OUTCROP  
 — CONTACT  
 10' BEDDING  
 60' JOINTING
- x ASSAY SITE  
 05% - 3.0' (PER CENT COPPER - WIDTH IN FEET)
- $\frac{2}{3} \frac{4}{5}$  CLAIM OUTLINE AND NUMBER  
 ○ CLAIM POST  
 — TOPOGRAPHIC CONTOURS (100 FEET)  
 — CREEKS OR LAKES



IMPERIAL OIL ENTERPRISES LTD.

GEOLOGICAL MAP

TO ACCOMPANY REPORT "GEOLOGICAL SURVEY, RAY CLAIMS, WHITEHORSE M.D." AUGUST 1971  
 BY R.W. ODDY, P.GEOL.

*RWO*

