

5179

94G/5W

MINERAL CLAIM

ASSESSMENT REPORTS FOR :

94G/5W	Damn	1 - 20
	Foo	1 - 25
	Egg	1 - 22
	Chilly	1 - 36
	Vista	1 - 4
	Tyr	1 - 43

LIARD MINING DIVISION
Redfern Lake. N.T.S. 94-G-5

OWNER :

Investor Explorations Ltd.,
1502 - 11111 - 87 Ave.
Edmonton, Alberta. T6G 0X9

OPERATOR :

Rio Tinto Canadian Exploration Ltd.,
615 - 555 Burrard Street,
Vancouver, B.C. V7X 1M8

The core obtained during this project is stored
at Rio Tinto Canadian Exploration Ltd., 5103
Dalhousie Drive, Prince George, B.C.

Department of
Mines and Petroleum Resources

ASSESSMENT REPORT

NO. 5179 MAP

E. W. Johnson

September, 1974

RIO TINTO CANADIAN EXPLORATION LTD.

5379

for Connors - Redfern Lake Drilling Program.

COST STATEMENT - Invoices attached.

N.B. Mobilization, demobilization, camp and small helicopter shared with Noranda Exploration Co. Ltd. who were working on their own adjoining property.

a.	E.W. Johnson	52 days worked.		
	R. Benkis	16 days worked.		
b.	E.W. Johnson	\$50.00 per day	\$2,600.00	
	R. Benkis	\$50.00 per day	<u>800.00</u>	\$3,400.00
c.	As per attached Connors Drilling Invoice.			
	Rio Staff 17 days at \$9.75/man day. \$165.75, included in Connors invoice below.			
	Other: Mobilization, Buckingham Lodge (Noranda Invoice)			608.63
e.	Air Support			
	1.	Fixed Wing NT Air - Beaver & Single Otter. Mobilization, Demobilization and supply flights.		\$2,637.35
	2.	Large Helicopter - for mobilization and demobilization. (In part Noranda Invoice) Okanagan Helicopters Ltd. S58		\$9,040.25
	3.	Highland Helicopters Ltd. G3B1 Supplies lifted from Redfern Lake and drill moves (Noranda Invoice)		\$8,783.66
f.	Other Costs.			
	1.	Connors Drilling - Contract cost.	\$33,522.00	
	2.	Freight charges - Kerris Transport	\$ 76.00	
	3.	Helicopter Jet Fuel For mobilization & demobilization	<u>\$ 1,557.50</u>	
				<u>\$59,625.38</u>

MAPS

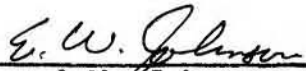
- #1 Claim map
- #2 Geological map (1)
- #3 " " (2)

STATEMENT OF QUALIFICATIONS

I, Edward W. Johnson am a graduate of the University of Oregon, Eugene, Oregon with a degree of Bachelor of Science in Geology.

Since my graduation in 1961 I have practised Geology with the following companies:

- 1962 - 1964 Redstone Mines & Fort Reliance Minerals.
- 1965 Homestake Minerals Corp. & New Taku Mines.
- 1966 S.J. Hunter & Associates.
- 1967 - Present Rio Tinto Canadian Exploration Ltd.



Edward W. Johnson.

Prince George, B.C.

9 September 1974.

Noranda Exploration Company, Limited
(no personal liability)
P.O. Box 2380,
Vancouver, B.C.
V6B 3W7

noranda

1050 Davie Street
Phone 684-9246 Telex 04-51331

INVOICE

Invoice No: 3101-8-21-A

Date of Invoice: August 21, 1974

TO:

Rio Tinto Canadian Exploration
615 Two Bentall Centre
Vancouver, B.C.

IN ACCOUNT WITH:

Noranda Exploration Company, Limited
P.O. Box 2380
Vancouver, B.C.
V6B 3W7

To invoice Rio Tinto for your share of costs re: drilling program at Redfern Lake.

1. Mob-Demob 50% of \$16,042.78	\$ 8,021.39
2. Highland Helicopters 57.55/96.00 of \$14,652.16	8,783.66
3. Northern Thunderbird Air 50% of \$2,175.50	1,087.75
	<u>\$17,892.80</u>

REDFERN DRILLING PROGRAM

1. Mob-Demob Costs

V/N 7855 - Room and Board - Buckinghamhorse Lodge	\$ 1,004.20
V/N 7843 - Jet Fuel & drums - Irwin Klassen Ltd.	1,218.30
V/N 8059 - Room and Board - Buckinghamhorse Lodge	213.07
V/N 7956 - Chopper transport - Okanagan Helicopter	11,710.50
V/N 7954 - Jet Fuel & transport - Irwin Klassen Ltd.	1,357.73
V/N 7937 - Jet Fuel & transport - Irwin Klassen Ltd.	538.98
	<hr/>
	\$16,042.78
	<hr/> <hr/>

2. Highland Helicopters

V/N 7843 - 100/130 aviation gas & oil - Irwin Klassen Ltd.	\$ 388.28
V/N 7952 - charter time - Highland Helicopters	5,908.00
V/N 8025 - charter time - Highland Helicopters	7,666.47
V/N 8140 - 100/130 aviation gas - Standard Oil	106.41
V/N 8093 - 100/130 aviation gas - Esso	160.75
V/N 7992 - 100/130 aviation gas - Esso	266.25
V/N 7939 - Room and Board, Chopper person al - Connors	156.00
	<hr/>
	\$14,652.16
	<hr/> <hr/>

3. Northern Thunderbird Air

V/N 8175 - Support - N.T. Air	\$1,751.50
V/N 7995 - Support - N.T. Air	424.00
	<hr/>
	\$2,175.50
	<hr/> <hr/>



OKANAGAN HELICOPTERS LTD.

HEAD OFFICE: ~~PRINCE GEORGE~~
 439 AGAR DRIVE
 INTERNATIONAL AIRPORT SOUTH
 VANCOUVER, B.C. V7B 1A5
 TELEPHONE (604) 278-5502 TELEX 04-5088 83
 CHARTERER'S BILLING ADDRESS

7608

52897

ACCOUNT NUMBER	70045			52897		
INVOICE DATE	FLIGHT DATE	DAY	MONTH	YEAR	TYPE OF FLYING	
		12	07	74		
AIRCRAFT TYPE	BASE			BASE NO.		
S58T	FT NELSON			830		
TYPE OF CONTRACT - X				FLIGHT LOCATION		
HOURLY				FT NELSON		
DAILY MINIMUM 1 TO 29 DAYS		30 DAYS OR MORE		PILOT 1		
				T.R. GURR		
IND. CLASS	AIRCRAFT REG. NO. CF.			PILOT 2		
03	A L H			349		
STATE OF AIRCRAFT - X				PILOT 2		
UNSERVICABLE				STORED		

RIO TINTO CAN. EXPL
 615-555 Burford
 Vancouver

FUEL & OIL - X	FLYING HOURS ACCORDING TO FUEL USED				PURCHASE ORDER NO.	
O.H. LTD.	CUST.	O.H.L.	CUST.	9.1		

OPERATION	TAKE-OFF	LAND	FLYING TIME
TO MILR 175	11 20		7
MOVE 8 SLING & CABIN LOADS + 11 PAX + LUGGAGE REDEPURN L. AREA TO MILR 175 TO FT. NELSON.		21 50	7.4
			1.0
O.K. Ted Johnson			

ENG. NAME - 1. K. VEKUTIELI	ENG. NAME - 2.	NON-REV. HRS.	REVENUE HRS.	TARIFF	AMOUNT
			9.1	70.00	637.00
EXTRA CHARGES OR ADJUSTMENTS			FUEL:	HRS. @	

SIGNED FOR CHARTERER BY E. W. Johnson		SIGNED FOR OKANAGAN HELICOPTERS LTD. BY [Signature]		NO. OF PASSENGERS 11	OHL - 017/1173-10 \$ 637.00
				FREIGHT LBS. 28,000	

FLIGHT REPORT
CUSTOMER COPY

Northern Thunderbird Air Ltd. CHARTER AND CONTRACT TICKET

Charge to:		Date
Pilot		CF-
A C Type	Base	
		P.O. 5173
		Cheque Charge Cash

From _____ To (1) _____

To (2) _____ To (3) _____

To (4) _____ To (5) _____

To (6) _____ To (7) _____

To (8) _____ To (9) _____

FARE	314 Miles At \$ 1.00	21	\$ 314	00
	Hours At \$			
Waiting Time	At \$			
Other				
(Including Gas Surcharges Etc.) I personally guarantee payment of this charter.			TOTAL CHGE	314 00

Authorized By _____

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Main Base
P.O. Box 1510
Prince George, B.C.
Phone 963-9611
Telex 047-8880
2 Base
Fort St. James, B.C.
Phone 996-8224
3 Base
Mackenzie, B.C.
Phone 997-3247

No 6367

3.00

1360

RECEIVED JUL 15 1974

NORTHERN THUNDERBIRD AIR
 P.O. BOX 1510
 PRINCE GEORGE, B.C.
 TELEX 04-7880

PLEASE DETACH
 AND RETURN
 THIS PORTION
 WITH YOUR
 REMITTANCE

CUSTOMER NUMBER
74680

TO
 RIO TINTO CAN EXPLORATION
 SUITE 615
 555 BURRARD ST
 VANCOUVER 1, B C

PAGE
 CUSTOMER NUMBER
 74680

AMOUNT OF PAYMENT

DATE			DESCRIPTION	REFERENCE	CHARGES/CREDITS
DAY	MO.	YR.			
30	06	74	5942 INVOICE		360.00
30	06	74	5943 INVOICE		314.00
30	06	74	17497 INVOICE		142.00
30	06	74	17504 INVOICE		121.90
30	06	74	114367 INVOICE		27.30
30	06	74	114368 INVOICE		20.00

Thank
 You

STATEMENT DATE		
30	06	74
DAY	MO.	YR.

STATEMENT DATE	30	06	74	PLEASE PAY THIS BALANCE	HOLDBACK NOT INCLUDED
DAY	MO.	YEAR			985.20

985.20			
CURRENT	OVER 30 DAYS	OVER 60 DAYS	OVER 90 DAYS

WESTERN COMPUTING LTD.

RIO TINTO CANADIAN EXPLORATION LIMITED VANCOUVER OFFICE	
MAY BE RECD	<i>E.W.J.</i>
EXTR. CHRG	<i>C.M.</i>
PRICES O.K.	
DISTRIBUTION	
ACCOUNT NO.	AMOUNT
8608-33	985.20
PAY'T APPROVED	

PAID

JUL 19 1974

RIO TINTO VANC:

CHK. No. 2084

Northern Thunderbird Air Ltd. CHARTER AND CONTRACT TICKET

Charge to:

				Date		
				P.O.		
Pilot		CF-		Cheque	Charge	Cash
A C Type	Base					

From _____ To (1) _____

To (2) _____ To (3) _____

To (4) _____ To (5) _____

To (6) _____ To (7) _____

To (8) _____ To (9) _____

FARE	Miles At \$		\$	
	Hours At \$			
Waiting Time	At \$			
Other				
(Including Gas Surcharges Etc.) I personally guarantee payment of this charter.			TOTAL CHGE	360 00
Authorized By _____				

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature

N^o 5942

- | | |
|----------|-----------|
| 1. _____ | 7. _____ |
| 2. _____ | 8. _____ |
| 3. _____ | 9. _____ |
| 4. _____ | 10. _____ |
| 5. _____ | 11. _____ |
| 6. _____ | 12. _____ |

Main Base
P.O. Box 1510
Prince George, B.C.
Phone 963-9611
Telex 047-8880
2 Base
Fort St. James, B.C.
Phone 996-8224
3 Base
Mackenzie, B.C.
Phone 997-3247

Northern Thunderbird Air Ltd. CHARTER AND CONTRACT TICKET

Charge to:

				Date		
				P.O.		
Pilot		CF-		Cheque	Charge	Cash
A C Type	Base					

From _____ To (1) _____

To (2) _____ To (3) _____

To (4) _____ To (5) _____

To (6) _____ To (7) _____

To (8) _____ To (9) _____

FARE	Miles At \$		\$	
	Hours At \$			
Waiting Time	At \$			
Other				
O.K. F.W. Johnson 8608			TOTAL CHGE	314 00
(Including Gas Surcharges Etc.) I personally guarantee payment of this charter.				
Authorized By _____				

This ticket is expressly subject to the conditions printed on the reverse side of ticket and which are hereby accepted: (Passengers' Signature

N^o 5943

- | | |
|-----------------|-----------|
| 1. Groceries | 7. _____ |
| 2. and Gasoline | 8. _____ |
| 3. _____ | 9. _____ |
| 4. _____ | 10. _____ |
| 5. _____ | 11. _____ |
| 6. _____ | 12. _____ |

Main Base
P.O. Box 1510
Prince George, B.C.
Phone 963-9611
Telex 047-8880
2 Base
Fort St. James, B.C.
Phone 996-8224
3 Base
Mackenzie, B.C.
Phone 997-3247

NORTHERN THUNDERBIRD AIR

P.O. BOX 1510, PRINCE GEORGE, B.C. V2L 4V5
AIR BILL NON-NEGOTIABLE

(THIS SECTION TO BE COMPLETED BY CARRIER)

Originating Station Code

Airbill Number

03

17504

It is mutually agreed that the goods herein described are accepted in apparent good order (except as noted) for transportation as specified herein, subject to governing classifications and tariffs in effect as of the date hereof which are filed in accordance with law. Said classifications and tariffs which are available for inspection at all Northern Thunderbird Air offices, are hereby incorporated into and made a part of this contract.

FROM (CONSIGNOR) **Rio tinto Canada Ltd** TO (CONSIGNEE) **P. A. Benhis**
 CONSIGNOR'S STREET ADDRESS **2400 - 120 Adelaide St.** CONSIGNEE'S STREET ADDRESS **Rio tinto**
 CITY **Toronto Ontario** CITY **Rio tinto** PROV. OR STATE COUNTRY

BY **X** NOTE CONDITION OF CARRIAGE ABOVE
 DECLARED VALUE **\$** Agreed and understood to be not more than the value stated in the governing tariffs for each pound on which charges are assessed, unless a higher value is declared and applicable charges paid thereon.
 DESTINATION AIRPORT (CITY) **McRae B.C.** CONSIGNEE'S NO. **74680**
 INSERT SPECIFIC ROUTING HERE AIRLINE ROUTING APPLIES UNLESS SHIPPER INSERTS
1st class to Resper 26/6/74

RECEIVED BY CARRIER AT (CHECK ONE)
 CONSIGNOR'S DOOR CITY TERMINAL AIRPORT TERMINAL
 DELIVERY Will be made to the consignee at points where delivery service is available unless otherwise specified below.
 CITY TERMINAL AIRPORT TERMINAL CASH (CHECK TWO) CHARGE PREPAID COLLECT

NO. OF PIECES	DESCRIPTION OF PIECES AND CONTENTS	WEIGHT	AIRLINE ROUTING		RATE	CHARGES
			TO	VIA A LINE		
1	Bag. New Tent	128	RY	NT	.10	12.80
1	Bag. Aluminium poles					

018-14114940X

Important CARRIER WILL COMPLETE ALL ITEMS BELOW BOLD LINE EXCEPT CONSIGNOR'S C. O. D. WEIGHTS ARE SUBJECT TO CORRECTION

DIMENSIONS X X = CUB. INS. = DIMENSIONAL WEIGHT

RECEIVED TO APPLY IN PRE-PAYMENT OF THE CHARGES ON THE PROPERTY DESCRIBED HEREON.

BY AGENT RECEIVED IN GOOD ORDER EXCEPT AS NOTED.

CONSIGNEE

DATE 19 TIME A.M. P.M.

RECEIVED IN APPARENT GOOD ORDER EXCEPT AS NOTED, BY NORTHERN THUNDERBIRD AIR

AGENT **a. Nomonkos** AT DATE **July 17 74** TIME A.M. P.M.

FREIGHT

SUMMARY OF CHARGES	PREPAID CHARGES	COLLECT CHARGES
WEIGHT-RATE CHARGES		12.80
PICK UP CHARGE		
DELIVERY CHARGE		
EXCESS VALUE TRANSPORTATION CHARGE		
SERVICE CHARGE ON ADVANCE AND/OR C. O. D.		
Sub-TOTAL		12.80
CHARGES ADVANCED COLLECT OR PREPAID BEHIND		
Consignor's C.O.D.	99990109 10	
Total Charges		121.90

I/WE AGREE TO PAY THE AMOUNT OF \$ **121.90**
 FIRM NAME **Rio tinto**
 PER _____ (AUTHORIZED REPRESENTATIVE)

2

THIS IS YOUR ONLY INVOICE

PRINTED IN CANADA NTA Form 6

NORTHERN THUNDERBIRD AIR

P.O. BOX 1510, PRINCE GEORGE, B.C. V2L 4V5
AIR BILL NON-NEGOTIABLE

(THIS SECTION TO BE COMPLETED BY CARRIER)

Originating Station Code

Airbill Number

03

17497

It is mutually agreed that the goods herein described are accepted in apparent good order (except as noted) for transportation as specified herein, subject to governing classifications and tariffs in effect as of the date hereof which are filed in accordance with law. Said classifications and tariffs which are available for inspection at all Northern Thunderbird Air offices, are hereby incorporated into and made a part of this contract.

FROM (CONSIGNOR) Rio Tinto Can. Expt. Stel. CONSIGNOR'S STREET ADDRESS 2400 - Roadside St. CITY ZONE PROV. Toronto Ont.		TO (CONSIGNEE) Rio Tinto CONSIGNEE'S STREET ADDRESS P.O. T. Air. CITY PROV. OR STATE COUNTRY	
BY X NOTE CONDITION OF CARRIAGE ABOVE DECLARED VALUE \$ Agreed and understood to be not more than the value stated in the governing tariffs for each pound on which charges are assessed, unless a higher value is declared and applicable charges paid thereon.		DESTINATION AIRPORT (CITY) CONSIGNEE'S NO. 74680 INSERT SPECIFIC ROUTING HERE, AIRLINE ROUTING APPLIES UNLESS SHIPPER INSERTS McKenzie	

RECEIVED BY CARRIER AT (CHECK ONE) <input type="checkbox"/> CONSIGNOR'S DOOR <input type="checkbox"/> CITY TERMINAL <input type="checkbox"/> AIRPORT TERMINAL		DELIVERY Will be made to the Consignee at points where delivery service is available unless otherwise specified below. <input type="checkbox"/> CITY TERMINAL <input type="checkbox"/> AIRPORT TERMINAL		<input type="checkbox"/> CASH (CHECK TWO) <input type="checkbox"/> PREPAID <input checked="" type="checkbox"/> CHARGE <input checked="" type="checkbox"/> COLLECT	
--	--	---	--	--	--

NO. OF PIECES	DESCRIPTION OF PIECES AND CONTENTS	WEIGHT	AIRLINE ROUTING		RATE	CHARGES
			TO	VIA A-LINE		
3	1) Box - Sample bags 2) Printer Office Supplies 3) Sleeping	150.74	NT		.10	15.00
INSTRUCTIONS TO CARRIER 018-14114936 X						

Important CARRIER WILL COMPLETE ALL ITEMS BELOW BOLD LINE EXCEPT CONSIGNOR'S C. O. D. WEIGHTS ARE SUBJECT TO CORRECTION

DIMENSIONS: X X = CUB. INS. = DIMENSIONAL WEIGHT

RECEIVED TO APPLY IN PRE-PAYMENT OF THE CHARGES ON THE PROPERTY DESCRIBED HEREON.

BY _____ AGENT

RECEIVED IN GOOD ORDER EXCEPT AS NOTED.

CONSIGNEE _____

DATE _____ 19 _____ TIME _____ A.M. P.M.

RECEIVED IN APPARENT GOOD ORDER EXCEPT AS NOTED, BY NORTHERN THUNDERBIRD AIR

AGENT A. W. Demopoulos

AT YXS DATE 120674 TIME _____ A.M. P.M.

SUMMARY OF CHARGES	PREPAID CHARGES	COLLECT CHARGES
WEIGHT-RATE CHARGES		15.00
PICK UP CHARGE		
DELIVERY CHARGE		
EXCESS VALUE TRANSPORTATION CHARGE		A/C 931
SERVICE CHARGE ON ADVANCE AND/OR C. O. D.		
SUB-TOTAL		
CHARGES ADVANCED COLLECT OR PREPAID BEYOND		
Consignor's C.O.D.		9999927.00
Total Charges		142.00

I/WE AGREE TO PAY THE AMOUNT OF \$ Rio Tinto

FIRM NAME _____

PER _____ (AUTHORIZED REPRESENTATIVE)

2

THIS IS YOUR ONLY INVOICE

PRINTED IN CANADA
NTA Form 6

Issued By NTAIR		NORTHERN THUNDERBIRD AIR BOX 1510, PRINCE GEORGE, B.C.		PASSENGER TICKET & BAGGAGE CHECK SUBJECT TO CONDITIONS OF CONTRACT ON PAGE 2				AIRLINE FORM SERIAL NUMBER 059 01 11	
NAME OF PASSENGER				FROM/TO		FARE CALCULATION			
NOT TRANSFERABLE NOT VALID BEFORE		ORIGIN		DATE OF ISSUE					
NOT VALID AFTER		DESTINATION		ISSUED IN EXCHANGE FOR					
NOT GOOD FOR PASSAGE		TICKET DESIGNATOR/AGENT		DATE AND PLACE OF ORIGINAL ISSUE					
FROM		FARE BASIS	CARRIER	FLIGHT/CL	DATE	TIME	STATUS	ALLOW	
TO		BAGGAGE CHECKED	PCB	UNCK. WT.					
FARE		TOTAL		CHARGE RESPONSIBILITY					
X BAG		ADDRESS		SIGNATURE					
TAX		SIGNATURE							
FORM OF PAYMENT								ORIGIN	
								CLASS	
								FARE	
								TAX	
								X BAG	
								PAYMENT	

Issued By NTAIR		NORTHERN THUNDERBIRD AIR BOX 1510, PRINCE GEORGE, B.C.		PASSENGER TICKET & BAGGAGE CHECK SUBJECT TO CONDITIONS OF CONTRACT ON PAGE 2				AIRLINE FORM SERIAL NUMBER 059 01 11	
NAME OF PASSENGER				FROM/TO		FARE CALCULATION			
NOT TRANSFERABLE NOT VALID BEFORE		ORIGIN		DATE OF ISSUE					
NOT VALID AFTER		DESTINATION		ISSUED IN EXCHANGE FOR					
NOT GOOD FOR PASSAGE		TICKET DESIGNATOR/AGENT		DATE AND PLACE OF ORIGINAL ISSUE					
FROM		FARE BASIS	CARRIER	FLIGHT/CL	DATE	TIME	STATUS	ALLOW	
TO		BAGGAGE CHECKED	PCB	UNCK. WT.					
FARE		TOTAL		CHARGE RESPONSIBILITY					
X BAG		ADDRESS		SIGNATURE					
TAX		SIGNATURE							
FORM OF PAYMENT								ORIGIN	
								CLASS	
								FARE	
								TAX	
								X BAG	
								PAYMENT	

STATEMENT
KERRI TRANSPORT LTD.
BOX 333
MACKENZIE, B. C.

RECEIVED JUL 4 1974

DATE July 2 19 74

Rita Jinta Venkatesh Lakshmi
615-555 Diamond St

Vancouver, B.C.

DATE	DETAILS	DEBIT	CREDIT	BALANCE
<u>June 25</u>	<u>3553</u>	<u>10.00</u>		<u>10.00</u>
<u>26</u>	<u>3529</u>	<u>10.00</u>		<u>20.00</u>
<u>Please note full name change</u>				
<u>from Fred's Trucking</u>				
<u>8608 E.W. Johnson</u>				

Rediform 8M101

8608-31 20.00

Cartage of Camp gear
from warehouse to NITA
float plane dock.

E.W.J.

FRED'S TRUCKING
PICKUP & DELIVERY

MACKENZIE, B.C.
PH. 997-3712

FRED'S TRUCKING
PICKUP & DELIVERY

MACKENZIE, B.C.
PH. 997-3712

ORDER No.	DATE: <i>June 25 / 74</i>
TO: <i>Pro Zento</i>	FROM:

ORDER No.	DATE: <i>June 26 / 74</i>
TO: <i>Pro Zento</i>	FROM:

REMARKS:
*Pickup camp gear at air
ford + del to warehouse
10 ^{me}*

REMARKS:
*del camp gear to
load base
10 ^{me}*

RECEIVED IN GOOD ORDER

SIGNATURE _____

SPEE-DEE PRINT

Nº 3553

RECEIVED IN GOOD ORDER

SIGNATURE _____

SPEE-DEE PRINT

Nº 3559

2 1/2, trust
added after
30 days

KERRI TRANSPORT LTD.

BOX 333 RECEIVED AUG 7 1974
MACKENZIE, B.C.

DATE July 31 1974

Box 333 Canadian Explor. Ltd
615-555 Burrard St
Vancouver, B.C.

DATE	DETAILS	DEBIT	CREDIT	BALANCE
July 16	53	10 00		10 00
July 25	96	18 00		28 00
	2603			
	E. W. Johnson			
	2201			

RECEIVED
KERRI TRANSPORT LTD
MACKENZIE OFFICE

AM

DISTRIBUTION

ACCOUNT

8608-31

28 00

AMOUNT

PAYT APPROV

KERRI TRANSPORT LTD.

PICKUP & DELIVERY

MACKENZIE, B.C.

PH. 997-3712

KERRI TRANSPORT LTD.

PICKUP & DELIVERY

MACKENZIE, B.C.

PH. 997-3712

ORDER No.

DATE:

July 35

TO:

Rio Jinto

FROM:

Rio Jinto

REMARKS:

*Pick up camp supplies at
Sea Plane Base Abri to
Waukwa*

*1 hr @ 12.00 12.00
1 hr 1 min @ 6.00 6.00

18.00*

ORDER No.

DATE:

July 16

TO:

Rio Jinto

FROM:

Rio Jinto

REMARKS:

*Pick up core boxes at Sea
Plane base deliver to Waukwa
for storage*

10.00

RECEIVED IN GOOD ORDER

SIGNATURE _____

SPEE-DEE PRINT

No

96

No

55

RECEIVED IN GOOD ORDER

SIGNATURE _____

SPEE-DEE PRINT

JOB: 1-434

 Rio Tinto Canadian Exploration Limited,
 120 Adelaide Street, West,
 Toronto, Ontario.

 INVOICE NO: 5021
 DATE: July 4, 1974

SURFACE DIAMOND DRILLING
REDFERN LAKE AREA, B. C.
June 14 - 30, 1974

MOBILIZATION & DEMOBILIZATION - (Lump Sum) \$ 2,400.00

FLYING EQUIPMENT - (To Camp & Drill Site & Building Camp
 Shared 50% with Noranda)
 - Copy Attached 206 Man Hours @\$11.00 2,266.00

FIELD COSTS

<u>Date</u>	<u>Shift</u>	<u>Man Hrs.</u>	<u>Drill Hrs.</u>	<u>Remarks</u>
June 25/74	Day	40	0	4 men setting up drill
June 26/74	Day	8	0	Complete setting up
June 26/74	Night	2	0	Travel time drill site to camp
June 27/74	Day	8	4	Wait for water & ream casing to free frozen rods.
June 27/74	Night	20	10	Ream over frozen rods
June 28/74	Day	20	10	Ream over frozen rods & wait for water
June 28/74	Night	20	10	Ream over frozen rods
June 28/74	Day	8	4	Move supply pump
June 29/74	Night	2	0	Travel Time drill site to camp
June 30/74	Night	8	0	Tear down - ready to move
		<u>136</u>	<u>38</u>	

Total Man hours 136 @\$11.00 \$1,496.00
 Total Drill hours 38 8.00 304.00 1,800.00

FOOTAGE FEE

D.D. Hole # 1 0' - 341' - 341' @\$10.85 3,699.85

• Rio Tinto Canadian Exploration Ltd.,

• DATE July 4, 1974

To

• INVOICE NO. 5021
• JOB: 1-434
•

PAGE 2

CORE BOXES & LIDS

65 - AQ Core Boxes	@\$3.00	\$195.00	
65 - AQ Core Box Lids	1.00	<u>65.00</u>	
		260.00	
	5% Tax	<u>13.00</u>	273.00

CAL-SEAL CEMENT & CALCIUM CHLORIDE

2 - 100# Bags Cal Seal Cement	@\$15.54	\$31.08	
4 - 50# Bags Calcium Chloride	1.49	<u>5.96</u>	
		37.04	
	5% Tax	<u>1.85</u>	38.89

BOARD YOUR PERSONNEL

June 26 - 30/74	5 Days	@\$9.75	<u>48.75</u>
-----------------	--------	---------	--------------

\$10,526.49

NORANDA EXPLORATION COMPANY LTD.

RIO TINTO CANADIAN EXPLORATION LIMITED

FIELD COST LABOUR (From Truck Discharge Point, Standby, Flying Equipment to camp & drill sites, and building camp.

<u>DATE</u>	<u>MAN HRS.</u>	<u>REMARKS</u>
June 14/74	32	4 men unload truck & make up loads for helicopter.
June 15/74	32	4 men wait for helicopter.
June 16/74	32	4 men wait for helicopter.
June 17/74	32	4 men loading helicopter etc.
June 18/74	56	4 men flying equipment to camp & drill site.
June 19/74	48	4 men setting up camp
June 20/74	40	4 men setting up camp
June 21/74	40	4 men setting up camp etc.
June 22/74	40	4 men setting up drills etc.
June 23/74	28	4 men fixing up tents, etc.
June 24/74	<u>32</u>	4 men setup 5th tent
	412	

412 Man Hours. - Shared 50% by Noranda & Rio Tinto



Subsidiary of
Bow Valley Industries Ltd.

155 WEST 3rd. AVENUE, VANCOUVER, B.C. CANADA V5Y 1E8
AREA CODE 604/872 - 1675

RECEIVED AUG 12 1974

JOB: 1-434

Rio-Tinto Canadian Exploration Ltd.,
615 - 555 Burrard Street,
P. O. Box 49108,
Vancouver, B. C. V7X 1G4.

INVOICE NO: 5055
DATE: August 9, 1974

SURFACE DIAMOND DRILLING
REDFERN LAKE AREA, B. C.
July 31, 1974.

AIR FREIGHT CHARGES - For Core Boxes
Shipped July 8, 1974

C.P. Air - Inv.# X 18-5666678 (Copy attached) \$29.82
Northern Thunderbird Inv.# 17598 (Copy attached) 14.20 \$44.02

RIO TINTO CANADIAN EXPLORATION LIMITED VANCOUVER OFFICE	
MAT'L REC'D	
EXTR. CHK'D	
TRACES O.K.	
DISTRIBUTION	
ACCOUNT No.	AMOUNT
8-08-31	4402
PAID BY <i>[Signature]</i>	

JOB: 1-434

Rio Tinto Canadian Exploration Ltd.,
 615 - 555 Burrard Street,
 P. O. Box 49108,
 Vancouver, B. C. V7X 1G4.

INVOICE NO: 5038
 DATE: July 19, 1974

SURFACE DIAMOND DRILLING
REDFERN LAKE AREA, B. C.
July 1 - 15, 1974.

FOOTAGE FEE

D.D. Hole #	2	0' - 251' - 251'		
	3	0' - 248' - 248'		
	4	0' - 214' - 214'		
	5	0' - 195' - 195'		
	6	0' - 221' - 221'		
	7	0' - 202' - 202'		
	8	0' - 201' - 201'		
	9	0' - 125' - 125'		
		<u>1657'</u>	@\$10.85	\$17,978.45

FIELD COST WORK

<u>Date</u>	<u>Shift</u>	<u>Drill #</u>	<u>Man Hrs.</u>	<u>Drill Hrs.</u>	<u>Remarks</u>
July 1/74	Day	1	12	6	Move to Hole #2.
July 3/74	Day	1	16	8	Move to Hole #3.
July 4/74	Night	1	14	7	Move to Hole #4.
July 5/74	Night	1	8	4	Set up on Hole #4.
July 5/74	Night	1	4	2	Move supply pump & waterline.
July 7/74	Day	1	20	10	Move & Set up Hole #6.
July 8/74	Night	1	10	5	Tear down & ready to move.
July 9/74	Day	1	16	8	Set up on Hole #8.
July 10/74	Day	1	10	5	Tear down & move to Hole #9.
July 7/74	Day	2	14	7	Move & set up Hole #5.
July 8/74	Night	2	10	5	Move to Hole #7.
July 9/74	Day	2	18	9	Move & set up Hole #7.
July 10/74	Night	2	16	8	Tear down & ready to move out.
			<u>168</u>	<u>84</u>	

• Rio Tinto Canadian Exploration Ltd.,

• DATE July 19, 1974

• INVOICE NO. 5038

• JOB: 1-434

PAGE 2

FIELD COST WORK'CON'T:

Total Man Hours	168	@\$11.00	\$1,848.00	
Total Drill Hours	84	8.00	<u>672.00</u>	2,520.00

WALKING TIME - (Night Shift)

<u>Date</u>	<u>Drill #</u>	<u>Man.Hrs.</u>
July 1/74	1	2
July 2/74	1	2
July 3/74	1	2
July 4/74	1	2
July 5/74	1	2
July 6/74	1	2
July 7/74	1	2
July 9/74	1	2
July 10/74	1	2
July 7/74	2	2
July 9/74	2	2

22 Man Hours @\$11.00

242.00

Expense

BOARD YOUR PERSONNEL

12 Man Days @\$9.75

117.00

SUPPLIES LEFT IN HOLE

1 - BW Casing Shoe # 14ZW-086	\$117.40
1 - Piece BW-2' Casing	<u>13.45</u>
	130.85
5% Tax	<u>6.54</u>

137.39

CREDIT (Cal Seal Cement not used)

2 - 100# Bags CAL Seal Cement	@\$15.54	\$31.08
	5% Tax	<u>1.55</u>

CEMENT 4 bags

\$5.96 plus 30 tax ~~(32.63)~~ 6.26

DEMOBILIZATION (From Drill site & camp to Mile 175)

July 11/74	64 Man Hours	8 Men moving out
July 12/74	112 Man Hours	8 Men moving out
July 13/74	32 Man Hours	8 Men moving out
	<u>208 Man Hours</u>	

Your portion 50% 104 Man Hours @\$11.00

1,144.00

CORE BOXES - July 8/74 Shipped CPAir Cargo to Mackenzie

20 - Only AQ Core Boxes	@\$3.00	\$60.00
	5% Tax	3.00
Delivery to Airport		<u>5.00</u>

68.00

\$22,174.21

(Air Freight on above to be invoiced when received)

22,213.10

A G R E E M E N T

THIS A G R E E M E N T made this 29th day of March, 1974.

BETWEEN: RIO TINTO CANADIAN EXPLORATION,
120 adelade Street, West,
TORONTO, ONTARIO.

(hereinafter referred to as the "COMPANY")

AND: CONNORS DRILLING LTD.,
155 West 3rd Avenue,
VANCOUVER, B. C. V5Y 1E8.

(hereinafter referred to as the "CONTRACTOR")

WHEREAS the COMPANY hereby requests that the CONTRACTOR carry out certain surface diamond drilling and other services, on the COMPANY'S property in the Redfern Lake area of northern British Columbia.

AND WHEREAS the CONTRACTOR hereby agrees to perform said diamond drilling and other services requested, under the terms and conditions hereinafter contained.

1. SCOPE OF WORK

The work is to consist of a series of drill holes, drilled at locations specified by the COMPANY. A total minimum footage of 1,400 feet shall be drilled, but total footage may be extended beyond that amount, by mutual consent. Holes shall be drilled with AQWL tools producing 1 1/16" diameter core, as far as is reasonably practical. Hole angles shall be from minus 45 to minus 90 degrees.

2. COMMENCEMENT AND EXECUTION OF WORK

Work shall be commenced: As soon as equipment and crews can be mobilized in early June, 1974. Work will be carried out with shifts operating seven days a week or as near that schedule as can reasonably be maintained.

3. THE CONTRACTOR HEREBY COVENANTS AND AGREES:

- (a) To provide all of the required drilling machinery and associated tools including, but not limited to: Drill rig, pumps, rods, casing, diamond set items, fuel, oil and grease, etc.

- (b) That drilling crews will follow good drilling practice and shall use due care and diligence as shall enable them to recover as high a percentage of core as the nature of the ground being drilled shall permit. All cores shall be delivered to the COMPANY, in boxes provided by the COMPANY at the drill sites.
- (c) That it shall be responsible for, and will pay promptly all costs and charges, incurred by itself for labor, machinery, tools, and supplies used in completing the work hereunder so that no lien or other such charge relative to the CONTRACTOR, may be registered against the COMPANY or the property. The CONTRACTOR shall be responsible for the payment of all assessments for Workmen's Compensation, Holiday Pay, Canada Pension, Unemployment Insurance, Sales Taxes, or other such applicable charges relative to its own labor and supplies purchased.
- (d) During the course of the work, the CONTRACTOR shall at all times keep the COMPANY'S premises free from accumulation of waste material and rubbish and upon completion of the work shall remove all tools, scaffolding, surplus materials and rubbish and leave the premises in a clean condition.

4. THE COMPANY HEREBY AGREES:

- (a) Should cavities, loose or caving ground or excessive water flows be encountered in a hole so that further drilling in that hole is deemed impracticable, that hole may -bymutual consent, be abandoned, and, the CONTRACTOR be paid at rates so specified herein for all footage completed in that hole, However, should the COMPANY request that further work be carried out in the hole beyond this point, then the CONTRACTOR shall continue work in the hole but such continuing work shall be at FIELD COST Rates.
- (b) That it will provide access roads to as near all drill sites as is practical. Also, that it will provide all air service for equipment, crews, camp provision, fuel, and supplies for the duration of the drilling project, at no cost to the CONTRACTOR.
- (c) The COMPANY shall provide, at no cost to the CONTRACTOR, all rights of way of ingress and egress to all lands that may be required to enable the CONTRACTOR to carry out the work as specified. The CONTRACTOR shall be permitted to cut and fell any timber on the COMPANY'S property as may be required in the course of the work hereunder, and the COMPANY shall indemnify and save harmless the CONTRACTOR from any assessment for stumpage or other charges of every kind and nature.

5. THE COMPANY HEREBY AGREES to pay the CONTRACTOR for footage drilled and other services performed as follows:

- (a) Mobilization and demobilization, for equipment and crews, from CONTRACTOR'S base of operations to transport discharge point return, a lump sum of \$2,400.00.
- (b) Drilling: AQ drilling, 0 - 500 feet, at \$10.85 a foot.
- (c) Overburden penetration: 0 - 50 feet, at \$10.85 a foot.
Beyond 50 feet, at Field Cost, if the cost of penetration exceeds \$10.85 per foot.

- (d) Reaming hole in bedrock, and casing hole, if required, at Field Cost.
- (e) Walking time: From camp to drill sites and return, at Field Cost Labor Rates.
- (f) Standby, dip-testing, or delay time, or other time during which the CONTRACTOR'S crews are performing services, for the COMPANY not otherwise covered herein, at Field Cost.
- (g) Cementing of drill holes, and redrilling of cemented section of hole, if required, at Field Cost.
- (h) Water supply: CONTRACTOR will provide 5,000 feet of water line, Installation, maintenance and removal shall be at Field Cost.
- (i) Moving of drill and equipment: From transport discharge point to first drill site, moving from site to site, and return to transport loading point, at Field Cost. Dismantling, moving and setting up camp, shall be at Field Cost Labor.
- (j) Drilling mud, additives and mixing mud, if required, at Cost.
- (k) Core boxes: If supplied by the CONTRACTOR, at \$3.00 a wooden box, 25 feet capacity. Core box lids at \$1.00 each. Cardboard boxes, at Cost, plus ten percent.
- (l) Camp: The CONTRACTOR will provide camp materials and housing and board for its personnel. Board charges for COMPANY personnel shall be at \$9.75 a day.
- (m) Field Costs, where applicable, shall be: Labor at \$11.00 a man hour, equipment rental at \$8.00 a shift hour and all the "down the hole" tools, and supplies lost or consumed during the Field Cost portion of the work, at Cost, plus ten percent.

6. INSURANCE AND GENERAL

- (a) The CONTRACTOR, at its own cost, shall maintain insurance to the following limits; Liability and Property Damage \$1,000,000.00, Automobile Insurance coverage \$1,000,000.00.
- (b) The CONTRACTOR shall not be held liable for any loss or damage suffered by reason of any cause beyond its active control such as riots, strikes, lockouts, Acts of God, or failure of transportation.
- (c) Under the foregoing terms and conditions the CONTRACTOR does not guarantee to drill any hole to any specified depth. The CONTRACTOR will however, expend every reasonable effort to complete all holes to the satisfaction of the COMPANY.

- (d) The CONTRACTOR shall invoice the COMPANY semi-monthly for footage drilled and other services performed. Such invoices shall be due and payable within 30 days of invoice date.
- (e) The CONTRACTOR will hold the COMPANY save harmless for all claims resulting from the negligence or misconduct of the CONTRACTOR'S employees.

IN WITNESS WHEREOF THE COMPANY and the CONTRACTOR set
their hands this 18 day of APRIL, 1979.

RIO TINTO CANADIAN EXPLORATION

H. J. Mans
Manager of Exploration

CONNORS DRILLING LTD.

R. L. Rink

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE No:

9

PAGE No:

4

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH								
from	to			from	to									
72	87	78-80 Stronger fracturing 75-90° to the core. Alternating concentrations of fossils.												
		Con'd.												
87	91	More massive silty limestone.												
91	95	91. fracturing at 75° to the core with heavier graphite coating on fractures and in banding at 90° to the core.												
95	105	Minor calcite fractures to 1/4" at 60-90° to the core.												
105	110	Fossil content increases as does frequency of calcite stringers 1/16" to 1/4" at 90° to the core and at 60° to the core.												
110	115	1' of core recovered - mud layer. Sphalerite in the mud or gouge(?)												
115	117	Fossiliferous dark grey to black limestone. 115.5 2" vein of barite with heavy graphite coating on each end. Blebs of galena on top end. Then 6" section of limestone in the bottom with galena and paler sphalerite (more tan in color). Some brecciation and minor blebs of pyrite and possibly chalcopryite. Particularly with graphite bands at 90° to the core. 1/8" calcite stringer cutting mineralization and contains very little mineral in its boundry. The above 6" section shows a rapid decrease in sphalerite away from the graphite cooled fracture.												

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE No: 9
PAGE No: 3

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
37	40	Light grey limestone much less carbonaceous material. Some secondary zinc on the fracture planes.											
40	41.6	Dark grey fossiliferous limestone (brachiopod casts, calcite & bitumen filling occasionally)											
41.6	52	Light grey limestone, better sphalerite, minor brecciation, stylolites increase. 48-51 Fine sphalerite and banded at right angles to core parallel to varving and stylolites. Minor galena. 50 calcite filled fracture at 30° to the core.											
52	61.5	Darker grey to black mottled limestone, no visible mineral. Occasionally brecciated. Some pyrite crystals in fossil casts. Stylolites at right angles to the core. Varving common.											
61.5	65	Mud layer, some core ground limestone, more massive, silty and non fossiliferous.											
65	72	Massive silty limestone.											
72	87	Return to light grey limestone, fossiliferous, some brecciation. 73 Calcite coated fractures at 80° to the core. No visible sphalerite. 77: 4" calcite-barite veining at 90° to the core.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO:	9
PAGE NO:	2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
6	32	18.0-18.6 vein of barite and limonite											
	Con'd.	19.0 Stringers of calcite with blebs											
		of galena. Galena is sparsely scattered through surrounded rock.											
		21.0-21.5 Massive fine grained brick red sphalerite. Irregular blebs of sphalerite to 29'.											
		24.0-24.5 More heavily brecciated with fragments of both light & dark limestone And more numerous blebs of galena.											
		25.0 1/4" stringer of calcite parallel to the core.											
		25-26 Intense brecciation											
		26-28 mainly light grey limestone with blebs of sphalerite concentrated along the styolites.											
		28-29 Closely spaced styolite with some varving. Rock definately limestone.											
		29.5 Graphite filled styolite, pyrite and quartz at contact with black fossiliferous limestone. Carries minor sphalerite for 6". Into varved limestone varves at 25' to the core with irregular sphalerite.											
32	34	Core becomes more silty no visible mineral.											
34	37	34.0 closely spaced varves, minor brecciation between them, graphite and calcite coating on varves.											
		1" calcite stringer at 25' to the core. Minor sphalerite associated with calcite stringers. Then into more fossiliferous limestone.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO

9

LOCATION: 35 W 1 + 5° N

SOUTH GRID

AZIMUTH: -

PROPERTY: VESTOR OPTION

RED FERN LAKE

DIP: - 90°

LENGTH: 125'

ELEVATION: 6015'

CLAIM NO: F0024

STARTED: 10 July 1974

CORE SIZE: P. Q.

DATE LOGGED: 23 July 74

SECTION:

COMPLETED: 10 July 1974

DIP TESTS:

LOGGED BY: E. W. JOHNSON

PURPOSE: TO INTERSECT THE EXTENSION OF MINERALIZATION
LOCATED IN HOLE 3.

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
0	2	Casing											
2	3	Broken & ground core, also 4" section with 10 stylite and in matrix many small 1-4 mm secondary quartz crystals which is common through the core.											
		3' 4" dark grey limestone with above quartz. Irregular pods of sphalerite.											
3	6	Ground core about 30% recovery.											
		6' Varved limestone with varves at 30° to the core.											
6	32	9' Black limestone weakly brecciated & healed with calcite, occasional blebs of bitumen in places, core has blotchy texture with intercalated calcite. 60% core recovery 0 - 12.											
		11-12 irregularly disseminated sphalerite and occasional blebs of galena.											
		13:3" calcite stringer at 30° to the core.											
		14.5 Limestone light grey still full of earlier mentioned quartz crystals, dark band cutting core-brecciation?											
		Band carries sphalerite and a 1/2" bleb of pyrite at right angles to band											

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

HOLE NO: 8
PAGE NO: 2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH													
from	to			from	to														
75	80	Fossiliferous section with brownish matrix. Mainly brachiopods and worm casts. Irregular fracturing parallel to the core.																	
80	201	As per 17 - 75. 82 - 83 Swarm of 1/8" vuggy calcite veinlets. 91 - 92 1/2" calcite-barite veinlet at 15° to the core. 108 - 110 Secondary zinc on fracture planes. More frequent calcite coated fracture parallel to the core. 116 - 117 Vuggy fossiliferous limestone. silty limestone. Vugs are partially filled with limonite and/or carbonaceous material. 125 8" band of coral and brachiopods casts showing unconformity on lower end. 138 as per 125 only less coral and a brownish cast to the matrix. 140 - 146 Mud layer (probable small fault zone) 40% recovery. 154 - 156 Minor brecciation with the groundmass mainly graphite and pyrite. 159 - 160 Banding 90° to the core shows graphite and pyrite. 168 - 169 Fracture at 10° to the core. 172 - 175 Slightly fossiliferous, graphite - pyrite banding and slickensiding on graphite coated planes at 20° to the core. 183 Calcite coated irregular fracture parallel to the core. 190 - 192 Calcite coated fractures at 15° to the core. Slickensided at 90° to core.																	

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION: 32W 45
South Grid

HOLE NO 8

AZIMUTH: —

PROPERTY: Vester Option
Redfern Lake.

DIP: -90° LENGTH: 201' ELEVATION: 6105 CLAIM NO: F0024

STARTED: 9 July 1974 CORE SIZE: AQ DATE LOGGED: 31 July 74 SECTION:

COMPLETED: 10 July 1974 DIP TESTS: LOGGED BY: E. W. JOHNSON

PURPOSE: To test for extension of mineralization in Hole 3

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
0	4	Casing										
4	17	light greyish tan silty limestone 4 - 12 poor recovery, very broken, thinly fossiliferous. Fractures at 10° to the core coated with calcite and limonite. Very thin shallow stylolites at 90° to the core.										
17	75	Medium to dark grey limestone generally silty. Varving and stylolites at 90° to the core. 20 - 22 fossiliferous dark grey limestone. Appears to be slightly brecciated and altered with medium grey fragments in a darker groundmass. 28 - 31 Broken with irregular fractures and open stylolites. 38 - 48 Occasional fossils, limestone very silty. A typical mud bank sample. 66 - 67.5 Large irregular blob of calcite and veinlets of calcite cutting the core at 15°.										

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO 7

LOCATION: 28W 4S
South Grid

AZIMUTH: -90°

PROPERTY: Vester Option
Redfern Lake
CLAIM NO: FCC 22

DIP: -90° LENGTH: 201' ELEVATION: 6115'

STARTED: 9 July 1974 CORE SIZE: A G DATE LOGGED: 30 July 74 SECTION:

COMPLETED: 10 July 1974 DIP TESTS: LOGGED BY: E.W. JOHANSEN

PURPOSE: To test IP Anomaly Trend #7 and possible extension of mineralization in Hole 3 and also ^{near} outcrop mineralization near drill site.

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
0	4	Casing											
4	58	Silty light to medium grey limestone irregularly blotchy appearance due to carbonaceous material. The stylolites are at 90° to the core. 17' 12" of fracture parallel to the core. Core breaks at the stylolites. 36 - 37 Strong limonite coated fracturing.											
58	110	Light grey silty limestone. 64 - 73 strong calcite and limonite coated fracturing parallel to the core. 80 - 82 Veinlets of barite and calcite at 70° to the core. Some vuggy texture. 80 - 83 thinly fossiliferous, brachiopods Rock is not silicified but rings when tapped.											
110	119.5	Darker fossiliferous section. Brachiopods, corals, worm casts. Banding at 90° to the core.											
119.5	172.5	Light to medium grey generally banded limestone. Occasional fossil casts											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO:

6

PAGE NO:

3

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH								
from	to			from	to									
129	141	138 1½" veinlet of calcite and limonite. Occasional coral casts.												
		Con'd.												
141	146	Dark grey to black fossiliferous limestone. Worm coral casts. Graphite filled styolites.												
146	178	As per 129 - 141 Some brown staining of the rock. Check for zinc. 152½, 8" broken section with 2" calcite filled breccia fragments of limestone and graphite. 155 1" vein graphite and pyrite at 20° to the core. All the styolites carry graphite and pyrite. 173 - 176 Numerous styolites with graphite and pyrite plus weakly disseminated pyrite. 175½ fractured 5" showing leaching of the pyrite.												
178	188	Section of intensely fractured limestone. Fractures healed with graphite and pyrite plus minor disseminated pyrite.												
188	191	Blotchy black carbonaceous patches in light grey limestone. Thin exaggerated styolites.												
191	221	Shadowy fossil casts, irregular brown staining of the ground mass. (Zinc?) probably hematite. Rock is irregularly fossiliferous. Open fractures are few and recovery is 95%.												

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

HOLE NO:	6
PAGE NO:	2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
		54 - 55 Rough limonite coated fracture parallel to core. Possible lead carbonate.											
		61.6 Broken 2" section of calcite with one blob of galena plus minor galena in 1/8" veinlet of calcite.											
		73 6" fracture with Crystalline calcite coating.											
		78 12" fracture with Crystalline calcite and limonite at 70° to the core.											
79	117	As above but fossiliferous with varying sizes of coral casts.											
		89 Fracture paralalled to core with slickensiding at 45° to the core.											
		91 Secondary zinc along calcite coated fracture.											
		94 as above											
		95 as above											
		96 as above											
		103 2" section of breccia with calcite and limonite blobs.											
117	129	Medium grey silty very thinly or unfossiliferous.											
		119 12" broken fractured core. 1" calcite and brecciated limestone. Leaching of pyrite only (?)											
		121 16" section with irregular fracture parallel to the core.											
		124 - 126 Stylites filled with graphite.											
		128 12" section with limonite filled fracture parallel to the core.											
129	141	Light grey silty limestone with exaggerated stylites, blotchy concentration of carbonaceous material carrying fine pyrite.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION: Line 05 9150 E

HOLE NO 6

AZIMUTH: North Grid

PROPERTY: Vester Option

DIP: -90° LENGTH: 221' ELEVATION: 6015 CLAIM NO: Redfern Lake Egg 3

STARTED: 7 July 1974 (Drill #1) CORE SIZE: AQ DATE LOGGED: 22 July 74 SECTION:

COMPLETED: 8 July 1974 DIP TESTS: LOGGED BY: E. W. Johnson

PURPOSE: To test IP Anomaly

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
0	12	Casing										
12	16	Medium grey limestone broken some grinding 13.6 broken section of calcite and barite.										
16	22	Broken section showing massive barite with frondlike crystalline structure. Leaching of the limestone leaving a vuggy texture. No visible zinc or lead minerals.										
22	29	Broken bleached to a brownish shade limestone. Calcite veinlets to 1/4" at 70° and paralld to core. Minor brecciation.										
29	49	Dark grey limestone plentiful coral casts to 5" dia. near fractures bleached to a brownish shade. No visible zinc but should be checked.										
49	79	Medium grey silty limestone. Occasional faint fossil cast. 52 2" breccia. 52 - 53 Veinlets of calcite to 1/2" at 30° to core.										

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO: 5

PAGE NO: 2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
99	195	graphitic with minor small pyrite											
Con'd													
		109 - 110 Graphitic bands to 1/2" thick carrying pyrite.											
		120 - 125 Graphitic section very fine pyrite. Check for unrecognized zinc. Occasional stylonite deepens to 1".											
		139 Slickensided graphite coated fractures at 30° to the core.											
		Occasional weak brecciation.											
		162 Sooty graphite.											
		165 - Fossiliferous section mostly worm casts some small corals.											
		167 - 170.5 Thinly fossiliferous and weakly brecciated. Increased intensity of fracturing at 30° to the core.											
		Slickensided graphite and smeared pyrite on the occasional fractures as at 173. Styolites carry up to 1/4" of graphite.											
		175 - 177 irregular small patches of fossil casts.											
		Hole stopped at 195'.											
		Appears to be enough graphite and pyrite to explain the I.P. anomaly.											
		End of Hole.											

E.W. Johnson

LOCATION: 32 ^N 4 ^W E
North Grid
 AZIMUTH:

RIO TINTO CANADIAN EXPLORATION LIMITED
 DIAMOND DRILL RECORD

HOLE NO 5

DIP: -90° LENGTH: 195' ELEVATION: 5820 PROPERTY: Vesta Option
Redfern Lake
 CLAIM NO: Egg 7
 STARTED: 7 July (Drill #2) CORE SIZE: PQ DATE LOGGED: 26 July 74 SECTION:
 COMPLETED: 8 July 1974 DIP TESTS: LOGGED BY: E.W. Johnson
 PURPOSE: To test IP Anomaly

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH								
from	to			from	to									
0	8	Casing												
8	99	Medium grey silty limestone. Very broken to 21'. 13 - 15 barite and calcite 1" fracture at 60° to the core, also worm casts. 25 - 33 varving & stylolites at 30° to the core. 35 - 44 Slightly fossiliferous. Occasional fracture parallel to the core. Occasional bleb of pyrite. 50 - 64 Very broken, fractures at 30, 60 and 90° to the core. 57-58 12' fossiliferous - worm casts. 67 1/2" calcite veinlet slicken sided 25° to the core. 82 - 85 Amount of graphite on fractures and along stylolites increases. 85 1' of thinly fossiliferous rock 95 1' of thinly fossiliferous rock.												
99	195	Dark grey limestone with greater content of carbonaceous material. Fractures carry slickensided graphite. 103 - 106 Fossiliferous section, occasional coral, more porous. Groundmass in part												

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE No: 4

PAGE No: 2

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH									
from	to			from	to										
23	126	Occasional stylolites at 90° to the core.													
		Con'd.													
		77-79 Limonite coated fracture parallel to the core.													
		79 Irregular limonite and quartz coated fractures.													
		78 Shadowy fossil casts, coral? Also reddish staining sphalerite or iron?													
		82 - 98 1 foot of core recovered, core blocky. Reddish staining - check for zinc. 15' Cavity.													
		112 - 120 Badly broken 40% recovery.													
126	130	Medium grey silty limestone with occasional brachiopod casts. Fractures parallel to and at 90° to the core.													
		Thin calcite stringers at 30° to the core.													
130	155	More massive medium grey limestone. Banding (varving) at 90° to the core. Occasional limonite stained fracture parallel to the core.													
		Varving often shows hematite.													
		147.5 - 148.5 A few brachiopod casts.													
		150 - 152 Pronounced regular varving with hematite coating.													
155	160	Thickly fossiliferous. Mud bank fauna.													
160	214	As per 130 - 155.													
		187 - 190.5 3.5' of dark grey fossiliferous, again a mud bank assemblage.													
		197 - 200 Very pronounced even varving.													
		205 - 207 A minor number of fossil casts.													
		211 Narrow fault zone or mud seam.													
		214 End of Hole													

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

LOCATION: 36 W 4th N
South Grid

HOLE NO 4

DIP: -90° LENGTH: 214 ELEVATION: 6195

PROPERTY: Vestey Option
Red Iron Lake
CLAIM NO: F00 24

STARTED: 5th July 1974 CORE SIZE: 1 1/4 DATE LOGGED: 29 July 74

COMPLETED: 7th July 1974 DIP TESTS: _____ SECTION: _____
LOGGED BY: E.W. JOHNSON

PURPOSE: (Lost hole at 214 due to cavity at 83-98)
To test for extension of mineralization in Hole #3 along IP Trend No 4

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
0	4	Casing											
4	20	Medium grey limestone massive silty occasional bleb of pyrite and or limonite.											
21	23	Black fossiliferous limestone. Mainly coral casts.											
23	126	As per 4 - 20. 24 - 5" of black limestone with worm casts 32 - 43 possible minor sphalerite. Banding is irregular and at 90° to the core. The few shallow stylolites are also 90° to the core. Occasional blebs of pyrite. 35 two 1/4" calcite veinlets at 30° to the core. Possible minor sphalerite at 38' and 42. 49 Numerous limonite coated fractures broken and ground core. 52 Small fault zone. Limonite stained gouge. 54 - 57 50% recovery, limestone very broken. 59 - 66 Mainly leached fault zone. Rock bleached and somewhat brecciated and vuggy. 66 - 69.6 Limestone more solid but bleached with limonite coated fractures at 30° to the core.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO:	3
PAGE NO:	4

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
188	204	Light grey limestone occasionally fossiliferous.										
		188.2 2" vein of calcite, pyrite and graphite at 90° to the core.										
		194-199 Sparse sphalerite.										
		195-196 Blebs of galena in calcite.										
		199-202 In part fossiliferous with blobs of calcite.										
		202-203. Strongly leached section fossil casts are hollow.										
		203-204 Fossiliferous, a few blebs of galena.										
204	214	Fault zone - gouge, sand and pebbles of core, recovery poor.										
214	216.5	Brecciated light grey limestone with fragments of black limestone and limonite. No visible mineral but should be check assayed.										
216.5	231	Massive medium grey limestone.										
		217 Minor malachite with calcite.										
		220.5-221 Brecciated medium grey limestone.										
231	248	Fine grained medium grey silty limestone										
		No visible zine mineralization.										
		243-246 Varved limestone with pyrite and graphite.										
		248 End of Hole. <i>E.W. Johnson</i>										

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

HOLE No:	3
PAGE No:	3

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
59	126	Weakly fossiliferous fine grained banded limestone.											
	Con'd.												
126	128.5	Limestone more saccharoidal in texture. Massive calcite with occasional blebs of galena.											
128.5	136	Light grey limestone slightly fossiliferous in part saccharoidal and leached.											
136	158	Dark grey to black limestone with minor visible sphalerite. 148-149 Massive calcite with barite. 150-150.4 Weakly disseminated sphalerite.											
158	161	Saccharoidal medium grey limestone. 159 Calcite vein with red & olive green sphalerite - specimen taken.											
161	165	Fossiliferous limestone. 161-163 1/2" barite vein parallel to the core.											
165	167.5	Massive medium grey limestone.											
167.5	170	Barite and calcite replacing the limestone.											
170	174.3	Light grey limestone; leached, vuggy with hematite, limonite and barite.											
174.3	188	Medium to dark grey varved limestone in part fossiliferous. 176 1" calcite vein at 30° to the core showing secondary zinc mineralization.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE No: 3

PAGE No: 2

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
40.6	59	Medium grey limestone, in part fossiliferous and in part brecciated with rounded altered fragments. Banding or varving of carbonaceous material were not brecciated.											
		57-59 Massive light to dark grey banded limestone.											
59	126	Dark grey to black irregularly brecciated limestone. Brick red sphalerite irregularly distributed i.e. disseminated and in blobs.											
		65 Another occurrence of olive green sphalerite along with the red varving. Specimen taken for Vancouver Office. The red sphalerite is replacing the radiating barite crystals.											
		71-73 1 bleb of galena with occasional fine grained galena.											
		78 Ground core											
		79 Heavy graphite in bands in fossiliferous silty limestone.											
		81-82.5 Good sphalerite estimated grade 15% zinc. Sparse blebs of galena.											
		88-98 Hydrothermal activity, much of the sulphides have been leached, leaving vugs with lead & zinc carbonates.											
		98 Brachiopods and amphipora casts.											
		105-106 1" massive calcite vein which fingers out parallel to the core.											
		107-107.5 Section with open fracture parallel to the core.											
		113-114.6 Mottled limestone, some leaching with minor visible sphalerite remaining. Secondary zinc minerals present. Estimate 2% Zinc.											

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

LOCATION: 40 W. ON BASE LINE
SOUTH GRID

AZIMUTH: _____

DIP: - 90°

STARTED: 3 July 1974

COMPLETED: 5 July 1974

PURPOSE: To test IP anomaly.

HOLE NO	3
PROPERTY: <u>VESTOR Option</u> <u>REDTERR LAKE</u>	
CLAIM NO:	<u>70024</u>
SECTION:	
LOGGED BY:	<u>E.W. JOHNSON</u>

LENGTH: 248' ELEVATION: 6100

CORE SIZE: A.Q. DATE LOGGED: 6 July 74

DIP TESTS: _____

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
0	10	Casing											
0	11	Massive fine grained medium grey limestone.											
11	18	1' core recovery due to fault zone.											
18	23	Light to dark grey mottled limestone.											
23	24.5	60% recovery. light grey limestone.											
24.5	25.5	light grey mottled limestone. Very fine brick red sphalerite. 25.3 1" blob of galena. 25.5 blob of galena.											
25.5	31	Barite & brecciated limestone, some calcite filling, occasional blebs of galena, minor sphalerite, saccharoidal texture.											
31	36	Mottled fossiliferous limestone, broken.											
36	38	Poor recovery, badly broken.											
38	40.6	Fossiliferous, brachiopods and coral/ ^{banding} with graphite at 90° to the core.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO: 2
PAGE NO: 2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
168	191	176 - 178 Finely mottled light grey limestone appears to be due to an introduction of carbonaceous graphitic material.										
		186 "flow banded" material small (to 1/4") fragments of light grey limestone in a carbonaceous matrix.										
191	195	Light grey silty limestone hard but not silicified has a ring when struck, "clinkstone".										
195	198	Broken brecciated mottled limestone, approximately 40% calcite replacement.										
198	241	As per 168 - 191										
		214 - 216 Occasional brachiopod casts.										
		220 - 222 Limestone is banded (varving?) at 40° to the core.										
		222 - 223.6 Core is 75% massive calcite.										
		230 - 231.5 Core is 75% massive calcite.										
241	243	Numerous brachiopod et al fossil casts in dark grey matrix casts usually have light grey limestone filling.										
243	251	As per 168 - 191										
		250 - 251 Massive calcite.										
		Hole stopped at 251. No visible zinc mineralization.										
		<i>EW Johnson</i>										

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION: L. 24 W 2 + 00S
South Grid

HOLE NO 2

AZIMUTH:

PROPERTY: VESTOR OPTION
REDFERN LAKE

DIP: - 90

LENGTH: 251'

ELEVATION: 6,125

CLAIM NO: F 0022

STARTED: 1 July 1974

CORE SIZE: A Q

DATE LOGGED: July 4/74

SECTION:

COMPLETED: 3 July 1974

DIP TESTS:

LOGGED BY: E. W. JOHNSON

PURPOSE: To test I.P. Anomaly.

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
0	2	Casing in O.B. & broken calcite.											
2	155	Massive clean calcite. Very difficult to core. 20 - 30% recovery.											
155	163	Sheared dark grey limestone. Numerous blobs of calcite and blebs of pyrite. Shearing at 30 - 40° to the core. Very broken, recovery 60%. Where not sheared the rock is a breccia i.e. limestone frags in a calcite matrix.											
163	165	4" of calcite then into black massive limestone.											
165	168	Badly broken black & light grey limestone replaced by about 50% calcite, some brecciation with both black and grey limestone fragments.											
168	191	Into mottled limestone with rounded medium grey fragments in a dark grey matrix. Possibly a reworked breccia?? The above rock alternates with sections of calcite to 12" and brecciated limestone with a calcite matrix carrying light grey and black fragments of limestone.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO: 1
PAGE NO: 6

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
273.3	277	Massive 'clinkstone' silty limestone. 277 3" section of gouge, slickensiding at 30° to the core.										
277	288	Broken 'clinkstone' grades into fossiliferous limestone with brachiopods and amphipora										
288	300	Very exaggerated stylolites. 298 limestone becomes broken, veinlets of calcite in brecciated rock.										
300	305	Brecciated as above but with a porous saccharoidal texture. Sphalerite and secondary zinc minerals are present.										
305	314	Massive 'clinkstone'										
314	319	Mottled slightly fossiliferous limestone, fractures at 30° to the core. Occasional blebs of bitumen.										
319	320	Fractured clinkstone. Fractures show bright red hematite coating.										
320	327	Limestone more broken with calcite veinlets at 30° to the core. Some pink staining of the calcite, probably hematite.										
327	341	More massive silty limestone, 'clinkstone' 339 3/4" bleb of bitumen. 339-340 1' of fossiliferous limestone. Amphipora casts.										
		341 End of Hole.										

E.W. Johnson

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

HOLE No: 1

PAGE No: 5

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
240	245	Brecciated limestone somewhat saccarhoidal with disseminated fine sphalerite and blebs of sphalerite and galena. Secondary zinc along the fractures. Occasional vuggy sections contain calcite and/or q crystals.											
245	247	Mottled light grey and black limestone containing many very fine 1-2 mm secondary quartz crystals. Minor sphalerite(?)											
247	251	Altered 245-247 then brecciation and into a section of coarser worm casts (to 1/2") with fined grained sphalerite around them, then into black crystalline limestone carrying fine grained disseminated brown sphalerite.											
251	256.6	Medium grey brecciated limestone with fine grained disseminated limestone and blebs of the same brown sphalerite up to 1" long. Here and above there is occasional yellowish brown sphalerite in calcite crystals. Probably a second stage of mineralization.											
256.6	258.2	Back into dark grey limestone with large worm casts. This section also shows some very small casts.											
258.2	273	Limestone somewhat brecciated and altered with minor sphalerite and small amphora casts. 273 Fossiliferous limestone. 273.3 4" breccia carry pyrite and graphite											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO:	1
PAGE NO:	4

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
195-	220.2	214-220.2 con't. At least 2 stages of brecciation and fracturing, as some calcite fractures are cut and displaced. Fine grained medium brown sphalerite beginning at 215 for 6". Sphalerite confined to the black portion, does not go into the grey fragments except with tongues of black limestone. The 6" might run 1% zinc.											
220.2	222.6	Dark grey limestone with many worm casts filled with calcite.											
222.6	225.6	Shear zone, slickensided pyrite and graphite at 30° to the core.											
225.6	228	Brecciated saccharoidal dark grey limestone with blebs of bitumen.											
228	230.2	Banded light to dark grey limestone. Varving?											
230.2	231.6	Abrupt change to pyritic and graphitic sheared section as at 222.6.											
231.6	235	Fine grained black limestone with minor brecciation and blebs of bitumen.											
235	240	Saccharoidal limestone. Secondary zinc shows upon chemical staining. Also fine grained disseminated sphalerite. Occasional blebs of sphalerite and galena. 238-238.5 galena comprises 50% of the core. The sphalerite in blebs is yellowish brown. Estimated grade of the section: 235.6-241.2 2% lead, 5% zinc.											

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

HOLE NO:

1

PAGE NO:

3

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH								
from	to			from	to									
163	180	178 -180 Fault zone with gouge, blebs of pyrite slickensiding at 30° to core. 1 stringer of galena 1 1/16" thick.												
		Con'd.												
180	185	Fossiliferous limestone.												
		183 Shear zone.												
185	190	Massive 'clinkstone'												
190	195	Fossiliferous reefal limestone, broken, carries carbonaceous material. Appears to be enough graphite and pyrite to give the indicated I.P. response.												
195	220.2	Dark grey to black fine grained limestone.												
		197 Fracture with slickensided graphite and calcite at 50° to the core.												
		198.5 Fracture as above												
		199 Fracture as above												
		200 4" of heavily graphitic limestone.												
		202.5 -204.5 brecciated dark grey limestone, occasional bleb of bitumen.												
		204.5 - 209 Inpart brecciated limestone, occasional slickensided graphite coated fracture, minor disseminated pyrite. Some worm casts.												
		209-213 Sheared graphitic limestone. Slickensided graphite coated fracture at 30-35° to the core.												
		1-2% pyrite. Pyrite is smeared on fractures.												
		also.												
		213 - 214 Medium grey wavy banded limestone												
		214-220.2 Brecciated black limestone with frags of above grey limestone.												

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO: 1
PAGE NO: 2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH								
from	to			from	to									
89	127	Massive fossiliferous grey to black limestone. 103 6" light grey coral. 104-105 light brown cast to the rock. 110-112 Numerous 3 - 5" corals.												
127	132	More banded limestone, 129 - stylolites at 30° to core, heavily coated with graphite.												
132	137.5	132 one fracture parallel to stylolites, slickensided at 30° to core. 133-136 One massive coral.												
137.5	142	Finely banded graphitic limestone.												
142	155	Cut a large coral and continue in fossiliferous limestone.												
155	163	Limestone becomes brecciated, more graphite is present. Pyrite is disseminated The length of the stylolite fingers increases from 1/2" to 1 or 1 1/2". The limestone is still banded (varving?) at 30° to the core.												
163	180	Massive silty limestone 'clinkstone' rings when tapped. 164 2" band of breccia. 166 Shearing increases. 168 1" circular blob of pyrite broken by calcite veinlet and shearing. A lot of very fine pyrite. Possibly some sphalerite (?) 166-176 More massive silty limestone. 176 Sheared with blebs of pyrite.												

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO

1

LOCATION: L4E 105

AZIMUTH: SOUTH GRID

DIP: -90°

LENGTH: 341

ELEVATION: 6100

PROPERTY: VESTOR OPTION
REDFERN LAKE

CLAIM NO: 70019

STARTED: 24 JUNE 74

CORE SIZE: A Q

DATE LOGGED: 3 July 74

SECTION:

COMPLETED: 30 JUNE 74

DIP TESTS:

LOGGED BY: E. W. JOHNSON

PURPOSE: TO TEST I.P. ANOMALY TREND No. 2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
0	8	Casing										
		Massive dark grey to black limestone.										
8	15	10.6 3" coral cast, stylolites coated with graphite.										
15	49	Broken by fractures 30° to the core and undulating fractures parallel to the core. Coral casts. Fine grained low porosity, occasional fine grains of pyrite.										
		39 - 41.5										
		Massive fine grained silty limestone										
49	89	49.0 1" band of barite. Irregular calcite veinlets. Some slickensiding at 30° to the core on the graphite coated fractures. Silty massive limestone with shadowy coral casts.										
		79' 1" calcite veinlet at 30° to the core. light grey section of limestone, very silty.										
		86 - 89 light brown cast to limestone.										
		Doubtful sphalerite, probably limonite coloring.										

