

41155W0140 2.10860 HUTTON

010

VIBRACORE DRILL PROGRAM  
on the  
VERMILION RIVER PROPERTY  
HUTTON TOWNSHIP

Claim 515437

**2.10860**

OREVCO INC.  
January 1988

**RECEIVED**

**FEB 24 1988**

**MINING LANDS SECTION**

Richard P. Gagne, B.Sc.Hon.Geol.

28 January 1988

VIBRACORE DRILL PROGRAM  
on the  
VERMILION RIVER PROPERTY  
HUTTON TOWNSHIP

INTRODUCTION:

The 30 claims forming the Vermilion River Property (Figure 1 and Appendix A) were optioned from the original staker, Oliver Maki, in June of 1987. The claims were optioned in order to assess the placer gold potential, as this area has been known to contain gold bearing gravels, sands and clays.

WORK PERFORMED:

A 17 hole overburden sampling program commenced on January 5, 1988 and finished on January 13, 1988. All drilling was performed on claim 515437. See Table 1 and Figure 2 for drill hole locations. A total of 17 samples were collected, all being assayed for gold, with a selected few being assayed for copper and elemental sulphur.

The drilling was done using a Wink Vibracore drill over an old glacial coarse of the Vermilion River which is presently an active beaver channel. The purpose of this program is to follow-up on some encouraging drilling results done by Concor-Chibougamau Mines Ltd. in 1959.

VIBRACORE DRILL TECHNOLOGY AND DRILLING PROCEDURE:

The Vibracore drill is driven by high frequency vibration created by a cam in the drill head, and penetrates overburden under it's own weight. The drill is most capable of penetration in water saturated sediments, where the high frequency vibrations fluidize the overburden and the drill rods simply slide over the core sample. The bit consists of a short open tube that is flared at it's operating end. Due to the non-friction operating nature of the drill, it is incapable of penetration where particle size surpasses the open-diameter of the bit. BQ drill was used, thus the drill could not easily penetrate tills and other bouldery sediments.

Vermilion River Claim Block - Orevco Inc.

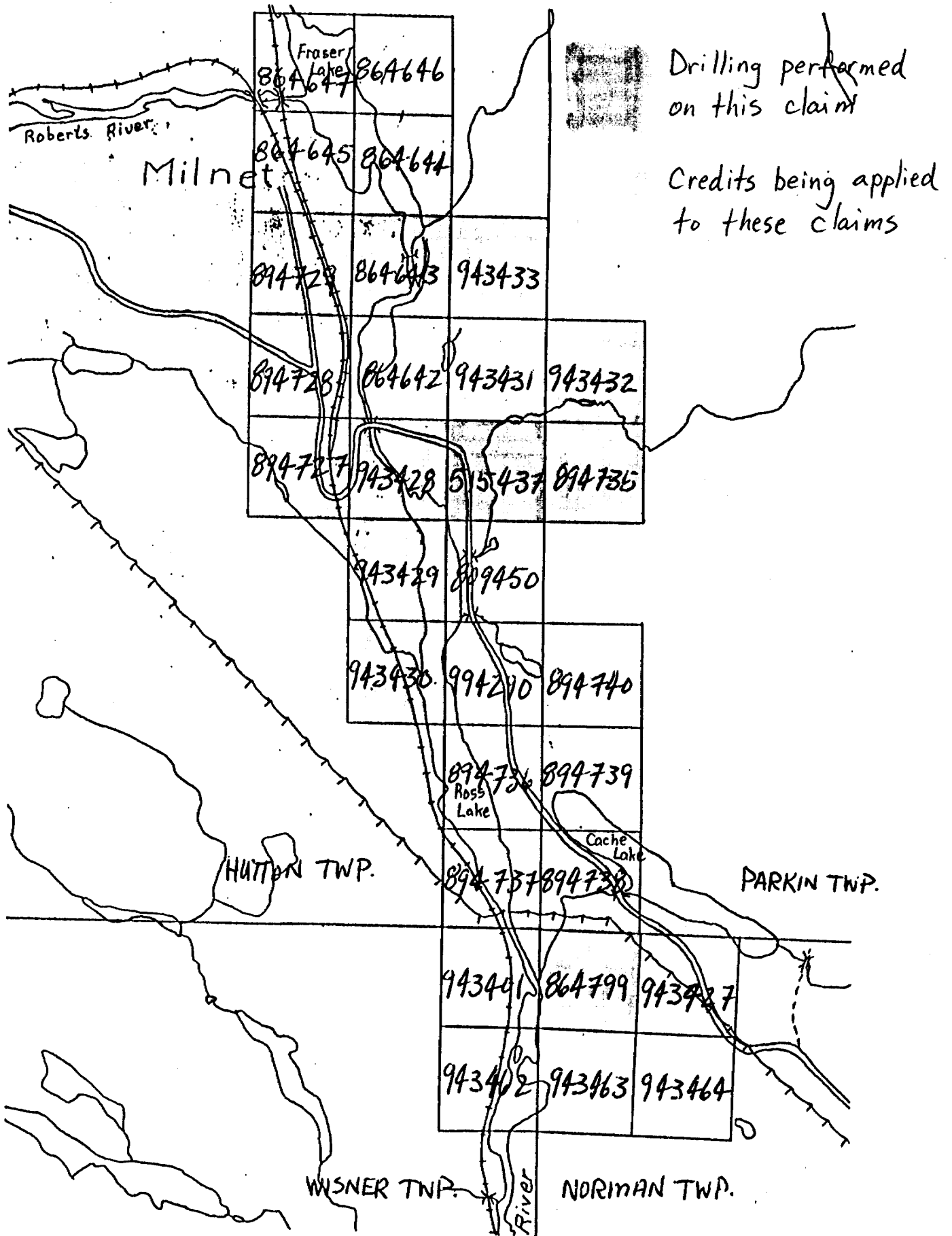


FIGURE 1

TABLE 1 - DRILLHOLE LOCATIONS

Hole	Claim	Post	Coordinates(m)	Depth(m)	# of Samples
1	515437	3	N225, E115	4.3	1
2	515437	3	N200, E115	5.5	2
3	515437	3	N175, E115	4.1	0
4	515437	3	N150, E115	3.0	0
5	515437	3	N125, E115	2.3	0
6	515437	3	N75, E115	2.7	0
7	515437	3	N75, E140	3.8	0
8	515437	3	N110, E145	1.5	0
9	515437	3	N150, E150	4.6	1
9b	515437	3	N150, E150	4.0	1
10	515437	3	N175, E150	4.9	2
10b	515437	3	N175, E150	4.6	3
11	515437	3	N200, E150	7.0	4
12	515437	3	N225, E150	3.4	2
12b	515437	3	N225, E150	2.1	1
13	515437	3	N250, E150	1.2	0
14	515437	3	N300, E150	1.2	0

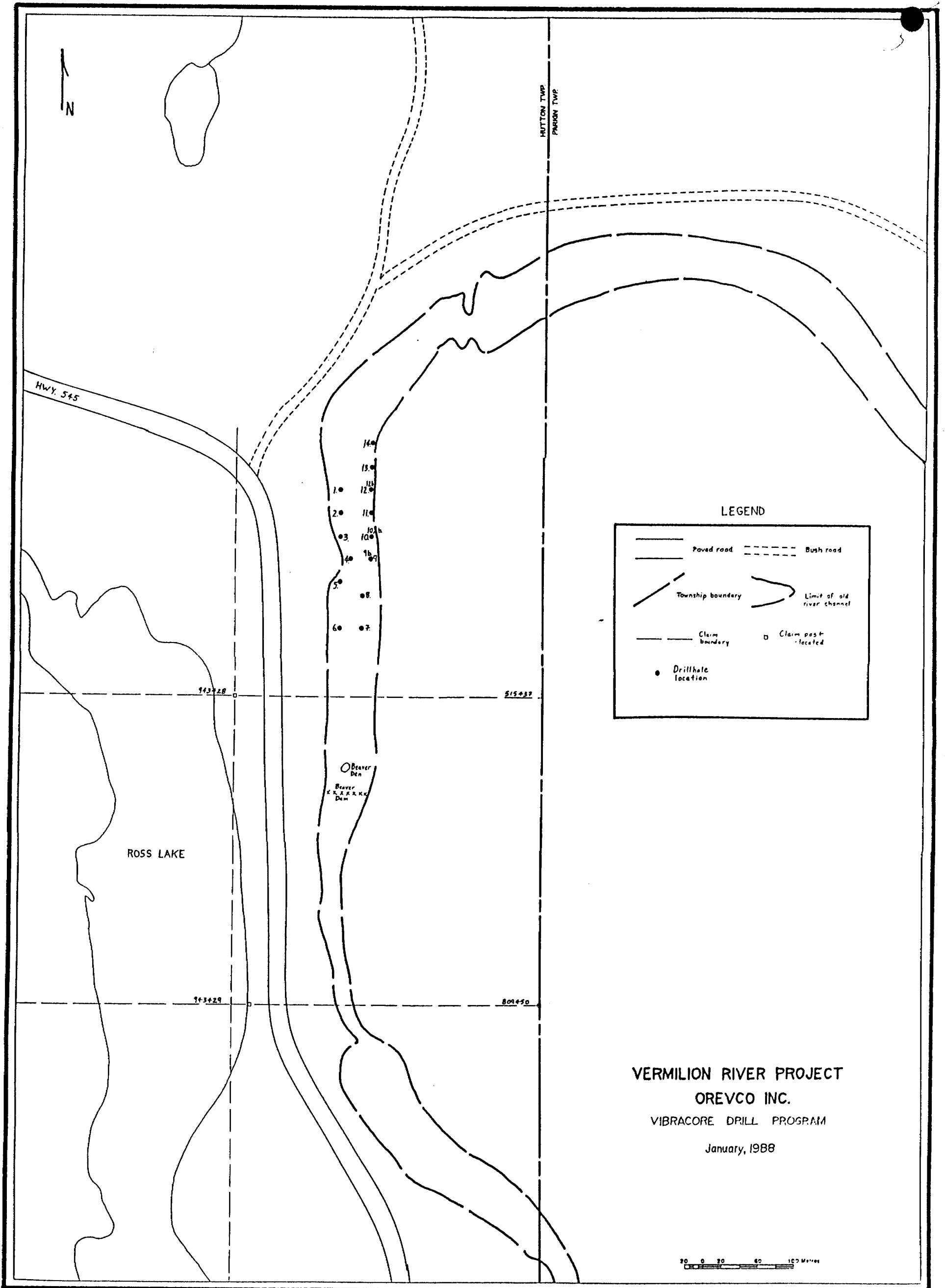


FIGURE 2: DRILLHOLE LOCATIONS

All the holes were drilled through the ice over swamp. A north-south hole spacing of 25 metres was used with one line running down the west side of the channel and one line down the east side. In most cases, the overburden drill core was sampled keeping different lithological units separate. Samples were weighted and panned to obtain a heavy mineral concentrate for assay.

#### RESULTS AND DISCUSSION:

Core sample assay results are presented in Table 2. Current drilling depths could not reach those of Concor-Chibougamau's in 1959. Data correlations are therefore not possible.

The present samples' assay results show very low gold contents. A better understanding of the Pleistocene channel sequences at Vermilion River is now possible. There appears to be no economical potential for placer gold at shallow depths at this location however. Those holes drilled in 1959 show gold values that are buried too deep for economic production.

TABLE 2 - CORE SAMPLE ASSAY RESULTS

Sample	Assay Results (ppb)		
	Au	Cu	S
VR-88-1-1	2.0	-	9295.8
-2-1	0.7	136.0	2039.7
-2-2	7.0	-	3047.6
-9-1	0.2	-	500.0
-9-1B	2.0	-	-
-10-1	0.7	2142.9	3571.4
-10-2	0.2		323.7
-10-2A	2.0	-	-
-10-1B	0.7	5437.5	-
-10-2B	3.0	-	-
-10-3B	3.0	-	-
-11-1	7.0	-	6994.8
-11-2	0.2	-	590.2
-11-3	0.3	-	2907.0
-11-4	7.0	-	673.1
-12-1	0.3	-	1137.4
-12-2	7.0	-	1434.0
-12-1B	10.0	-	-

TABLE 3 - VIBRACORE DRILL PROGRAM - EXPENDITURES

Drill Rental	= \$2700.00
Miscellaneous Drilling Costs (fuel)	= \$25.35
Salaries - Jon Palmer	= \$835.00
- Rod Sutherland	= \$697.50
Sample Preparation (panning)	= \$130.00
Assays	= \$396.00

Total Expenditures = \$4783.85 ÷ 15 = 318.9 days credits



APPENDIX A  
(see attached map) *Figure 1*

The Vermilion River property is comprised of the following 30 claims in Hutton, Parkin, Norman and Wisner Townships, Sudbury District, Ontario:

TOWNSHIP	CLAIM #
Hutton	864642
	864643
	864644
	864645
	864646
	864647
	894727
	894728
	894729
	943428
	943429
	943430
	515437
	809450
	994290
Parkin	894736
	894737
	943431
	894735
Norman	894738
	894739
	894740
	943432
Wisner	943427
	864799
	943463
Hutton	943464
	943461
	943462
	943433

**Appendix B**  
**Assay Certificate**

# LAKEFIELD RESEARCH

A DIVISION OF FALCONBRIDGE LIMITED

P.O. Box 430, 185 Concession St., Lakefield, Ontario, Can. K0L 2H0  
 Phone: (705) 652-3341 Telex No. 06 962842

## CERTIFICATE OF ANALYSIS


FROM: Orevco Inc.,  
 P.O. box 2116,  
 164 Sherbrooke Street,  
 Peterborough, ON  
 K9J 7Y4

Date: January . . , 1988  
 Received: January 15, 1988  
 Our Reference No.: LR 8828887  
 Your Reference No.: 87-0006  
 Invoice No.: 26041

Samples submitted to us show results as follows:

Sample No.	Au, g/t	% Cu	% S
VR-88 1-1	0.23	-	0.11
2-1	0.11	0.002	0.03
2-2	0.89	-	0.04
9-1	0.05	-	0.01
9-16	0.37	-	-
10-1	<0.02	0.006	0.01
10-2	0.07	-	0.01
10-2A	0.24	-	-
10-1B	0.02	0.015	-
10-2B	0.16	-	-
10-3B	0.39	-	-
11-1	0.40	-	0.05
11-2	0.08	-	0.03
11-3	0.03	-	0.02
11-4	8.00	-	0.07
12-1	0.08	-	0.02
12-2	0.77	-	0.02
12-1B	2.27	-	-

To: Mr. K. Wait

SIGNED   
 MANAGER  
 A. E. Carr, Manager - Assay Services

NOTE: Rejects will be discarded after 6 months.

**Appendix C**  
**Receipts**

DATE JAN 5 1988

NAME SONIC SOIL SAMPLING INC

ADDRESS 702-100 ADELAIDE ST W.

SOLD BY	C.O.D.	CHARGE	ON ACCT.	ACCT. FWD.
---------	--------	--------	----------	------------

1	RECEIVED	\$	2700 <sup>00</sup>	
2	FROM GREYCO INC.			
3	FOR SONIC			
4	DRILL RENTAL			
5				
6	DEPOSIT			
7				
8	<i>C. Archibald</i>			
9				
10				
11				
12		TAX		
1	SIGNATURE			

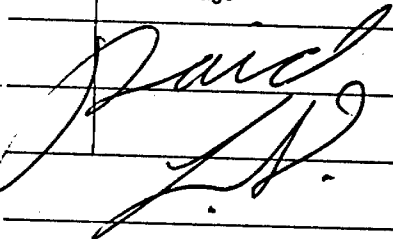
Receipt - Reçu **GEORGES RICHER CO. LTD.**

1580 REGIONAL ROAD 80  
VAL THERESE, ONT. P0M 3B0

(705) 969-4838

Name - Nom		Date
Make - Marque		Odometer reading Lecture de l'odomètre
		License plate number Plaque n°

08-01-88

Quant.	Description	Amount - Montant	
		\$	€
	Gas-Essence		
	Oil-Hulle		
1	20 lbs prop.	10	00
	Wash-Lavage		
			
		Tax - Taxe	
Total		10	00

Received by - Reçu par

PCP 1004BE (0284)

# ACCESS RENTALS & SUPPLY LIMITED

P.O. BOX 2606, STN. A., 2435 LASALLE BLVD.  
 SUDBURY, ONTARIO P3A 5J2 TEL. (705) 560-5900

## RENTAL AGREEMENT

RA 2594

DATE January 12 1988

AGREEMENT OF LEASE MADE AT ABOVE LOCATION BY & BETWEEN  
 ACCESS RENTALS & SUPPLY LIMITED, HEREINAFTER CALLED THE  
 "LESSOR" AND

NAME: Jon Palmer r/o ORVECO INC (HEREINAFTER CALLED THE "LESSEE")

ADDRESS: 742 WATER ST

PETERBOROUGH ONT

JOB LOCATION:

DELIVERY INSTRUCTIONS: PO 309-40896-305 29

TERMS:  
 DUE UPON RECEIPT

OFFICE PHONE NO.

CUSTOMER PICK-UP  OUR DELIVERY

CUSTOMER RETURN  OUR PICK-UP

RENTAL PERIOD

ORDERED BY

CUSTOMER ORDER NO.

INVOICE STARTED BY [Signature] APPROVED

RETURN FORM NO.

SPECIAL INSTRUCTIONS

RENTAL PERIOD BEGINS	DATE	AM	PM
	<u>JANUARY 6, 1988</u>	<u>9:20</u>	
RENTAL PERIOD ENDS	DATE	AM	PM
	<u>Jan. 12 / 88</u>		<u>105</u>

DAY	WEEK	MONTH
<u>6</u>		

QTY ORDERED	QTY SHIPPED	QTY RETURNED	QTY BALANCE	ITEM DESCRIPTION	RENTAL RATES			TOTAL
					DAY	WEEK	MONTH	
<u>1</u>	<u>1</u>	<u>1</u>	<u>8</u>	<u>20 lbs propane tank (Full)</u>		<u>1.00</u>		<u>5.00</u>

*Paid Cash*

Deposit \$20.00

TOTAL RENTAL CHARGE		<u>5.00</u>
TOTAL CONSUMABLE CHARGE		<u>10.00</u>
DELIVERY CHARGE HRS. @	PICK-UP CHARGE HRS. @	
P.S.T. ON SUB-TOTAL	IF EXEMPT SHOW NUMBER	<u>.35</u>
<b>FINAL TOTAL</b>		<u>15.35</u>

CONSUMABLES  
Propane minimum charge \$10.00

[Signature]  
[Signature]

IT IS UNDERSTOOD AND AGREED THAT THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF CONSTITUTE AND FORM PART OF THIS AGREEMENT AND THE LESSEE ACKNOWLEDGES THAT HE HAS READ AND UNDERSTANDS SAID TERMS AND CONDITIONS & ACKNOWLEDGES RECEIPT OF GOODS.

Part 1 — WHITE: INVOICE COPY  
 Part 2 — PINK: ACCOUNTING COPY  
 Part 3 — YELLOW: FILE COPY  
 Part 4 — BLUE: CUSTOMER COPY

# INVOICE



## LAKEFIELD RESEARCH

A DIVISION OF FALCONBRIDGE LIMITED

P.O. Box 430, 185 Concession St., Lakefield, Ontario K0L 2H0

Phone: (705) 652-3341

Telex No. 06 962842

No.: 26041

DATE January 25

19 88

TO: Orevco Inc.,  
 P.O. Box 2116,  
 164 Sherbrooke Street,  
 Peterborough, ON  
 K9J 7Y6

SENT TO: Mr. K. Wait

Re: Our Certificate of Analysis dated Jan. 25, 1988  
 Our Reference No. LR 8828887  
 Your samples received Jan. 15, 1988  
 Your Reference No. 87-0006

18	Au Assays	x	\$ 9.50		
3	Cu Assays	x	9.00		\$ 171.00
12	S Assays	x	12.00		27.00
18	Sample Preps	x	3.00		144.00
					54.00

Total

\$ 396.00

Urnition River



OREVCO INC.  
P.O. BOX 2116  
164 SHERBROOKE STREET  
PETERBOROUGH, ONT. K9J 7Y4  
705-748-3024

28 January 1988

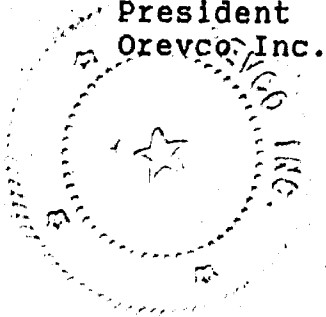
I hereby certify that \$1662.50 in wages were paid to Jon Palmer and Rod Sutherland for drilling time and sample preparation of drill samples from January 5 to January 15.

Also, \$396.00 was paid to Lakefield Research for assays.



---

W. Kemp Wait, P. Eng.  
President  
Orevco Inc.



DECLARATION

I, Richard P. Gagne, residing in Peterborough, Ontario, do hereby declare that I have continuously practiced the profession of Geology for the past 5 years and that I hold a degree of Bachelor of Science with Honours received in 1983 from Carleton University in Ottawa, Ontario.

I do hereby declare that this report is based upon personal work in the field and on the supervision thereof and in the plotting and study of results.

A handwritten signature in black ink, appearing to read 'R. P. Gagne', is written above a horizontal line. The signature is stylized and somewhat cursive.

Richard P. Gagne, B.Sc.Hon.Geol.  
Geologist

28 January 1988



VERMILION RIVER - 88 HOLE# 1 (cont'd) HOLE LOCATION \_\_\_\_\_

DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_

BORING METHOD \_\_\_\_\_ DIAMETER \_\_\_\_\_

DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1:10

PAGE 2 OF 2

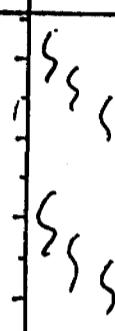
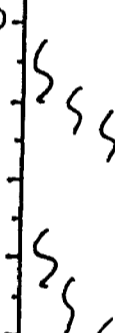
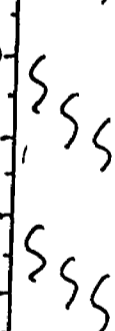
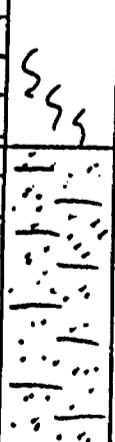

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
2.70			- as above	1-1	 Signature of hole logger
3.00					
3.50					
4.00					
4.50			E.O.H.		- made a second attempt at this location, penetration less than 3m.



PROJECT VERMILION RIVER - 88 HOLE# 2 (cont'd) HOLE LOCATION \_\_\_\_\_  
 DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_  
 BORING METHOD \_\_\_\_\_ DIAMETER \_\_\_\_\_  
 DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1/10

PAGE 2 OF 3

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
2.70			- as above		<i>Jon Paul</i> Signature of hole logger
3.00					
3.50			Organics	no sample	
4.00					
4.50					
5.00			beige, water saturated, sandy clay. - f. to c. gr. - fines upwards slightly	2-1	
			poorly sorted sand w 50% pebs towards bottom	2-2	- no distinct contact observed.

PROJECT VERMILION RIVER-88 HOLE# 2 (cont'd) HOLE LOCATION \_\_\_\_\_


SITE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_

DRILLING METHOD \_\_\_\_\_ DIAMETER \_\_\_\_\_

DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1:10

PAGE 3 OF 3

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE TOGGER
5.40	G.O. D.O.		-as above		 Signature of hole togger
			E.O.H.		- 2 attempts were made at this location

PROJECT VERMILION RIVER - 88 HOLE# 3 HOLE LOCATION 175m N, 115m E

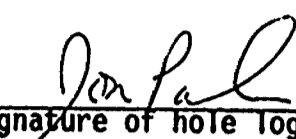
DATE 88 01 08 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 4.1m

DRIING METHOD WINK VIBRA-CORER DIAMETER BQ

DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
LOSSER

SCALE = 1:10

PAGE 1 OF 2

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
0.50			ice + water		 Signature of hole logger
1.00 1.50 2.00 2.50	SSS SSS SSS SSS SSS SSS		Organics	no sample	



PROJECT VERMILION RIVER-88 HOLE# 3 (cont'd) HOLE LOCATION \_\_\_\_\_  
 DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_  
 DRILLING METHOD \_\_\_\_\_ DIAMETER \_\_\_\_\_  
 DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1/10

PAGE 2 OF 2

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
2.70	SSS				<i>Jon Paul</i>
3.00	SSS				
	SSS				
	SSS		Organics	No sample	
3.50	SSS				
	SSS				
4.00	SSS				
4.50			E.O.H.		<ul style="list-style-type: none"> <li>- hit a coarse unit at bottom of organics</li> <li>- no penetration.</li> <li>- 2 attempts made.</li> </ul>

PROJECT VERMILION RIVER - 88 HOLE# 4 HOLE LOCATION 150m N, 127m E  
 DATE 88, 01 08 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 3.0m  
 DRING METHOD WINK VIBRA-CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOSSER \_\_\_\_\_  
 SCALE = 1:10 PAGE 1 OF 2

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole Tagger <i>Jon Palmer</i>
0.50			ice + water		
1.00					
1.50	SSS		Organics	No sample	
2.00	SSS				
2.50	SSS				
3.00	SSS				

PROJECT VERMILION RIVER - 88 HOLE# A (cont'd) HOLE LOCATION \_\_\_\_\_


DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_

DRIING METHOD \_\_\_\_\_ DIAMETER \_\_\_\_\_

DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1:10

PAGE 2 OF 2

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	
2.70	SSS		Organics		 Signature of hole logger
3.0	SSS		E.O.H.		<ul style="list-style-type: none"> <li>- hit a coarse unit at bottom of organics</li> <li>- no penetration</li> <li>- 2 attempts made</li> </ul>

PROJECT VERMILION RIVER-88 HOLE# 5 HOLE LOCATION 125mN, 115mE  
 DATE 88 01 08 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 2.3m  
 BORING METHOD WINK VIBRA-CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOGGER \_\_\_\_\_  
 SCALE = 1:10 PAGE 1 OF 1

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
0.50			ice + water		<u>Jon Pal</u> Signature of hole logger
1.00 1.50 2.00	SSS SSS SSS SSS		Organics	no sample	
2.50	SS		E.O.H.		- hit a coarse unit at bottom of organics - no penetration - 2 attempts made

PROJECT VERMILION RIVER-88 HOLE# 6 HOLE LOCATION 75m N, 115m E  
 DATE 88 01 09 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 2.70m  
 BORING METHOD WINK VIBRA-CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
LOGGER  
 SCALE = 1:10 PAGE / OF /

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
0.50			ice + water		<u>Jon Palmer</u> Signature of hole logger
1.00 1.50 2.00 2.50 2.70	S S S S S S S S S S S S S S S		Organics	no sample	- hit a coarse unit at bottom of organics - no penetration - 2 attempts made
			E.O.H		

PROJECT VERMILION RIVER - 88 HOLE# 7 HOLE LOCATION 75m N, 140m E  
 DATE 88 01 09 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 3.8m  
 BORING METHOD WINK VIBRA CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOSER \_\_\_\_\_  
 SCALE = 1:10 PAGE / OF 2

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
0.50			ice + water		<u>Jon Palmer</u> Signature of hole logger
1.00 1.50 2.00 2.50	SSS SSS SSS SSS		Organics	no sample	

PROJECT VERMILION RIVER-88 HOLE# 7 (cont'd) HOLE LOCATION \_\_\_\_\_

DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_

BORING METHOD \_\_\_\_\_ DIAMETER \_\_\_\_\_

DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1:10

PAGE 2 OF 2

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	
2.70	SSS				<u>Jon Paul</u> Signature of hole logger
3.00	SSS		Organics	No sample	
3.50	SSS				
4.00			E.O.H.		- hit a coarse unit at bottom of organics - no penetration. - 3 attempts made.

PROJECT VERMILION RIVER-88 HOLE# 8 HOLE LOCATION 110m N, 145m E  
 DATE 88 01 09 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 1.5m  
 DRILLING METHOD WINK VIBRA CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOGGER \_\_\_\_\_  
 SCALE = 1:10 PAGE 1 OF 1

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
0.50			ice + water		<i>Jon Palmer</i>
1.00	SSS		Organics	NO SAMPLE	
1.50	SSS		E.O.H.		<ul style="list-style-type: none"> <li>- hit a coarse unit at bottom of organics</li> <li>- no penetration</li> <li>- 2 attempts made.</li> </ul>
2.00					



PROJECT VERMILION RIVER - 88 HOLE# 9 HOLE LOCATION 150m N, 150m E  
 DATE 88 01 09 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 4.6m  
 BORING METHOD WINK VIBRA CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOSSER \_\_\_\_\_  
 SCALE = 1:10 PAGE 1 OF 2

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
0.50			ice + water		<u>Jon Palmer</u>
1.00 1.50 2.00 2.50	SSS SSS SSS SSS SSS		Organics	NO sample	

PROJECT VERMILION RIVER-88 HOLE# 9 (cont'd) HOLE LOCATION \_\_\_\_\_  
 DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_  
 BORING MET \_\_\_\_\_ DIAMETER \_\_\_\_\_  
 DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1:10

PAGE 2 OF 2

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
2.70	SSS				<i>Jon Paul</i> Signature of hole logger
3.00	SSS		Organics	no sample	
	SSS				
3.50	SSS				
4.00			grey-beige sandy clay changing to an unsorted sand w pebs downwards. - 30-50% gravel at bottom.	9-1	
4.50					
5.00			E.O.H.		

PROJECT VERMILION RIVER-88 HOLE# 96 HOLE LOCATION 150m N, 150m E  
 DATE 88 01 11 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 3.96m  
 BORING METHOD WINK VIBRA-CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOGGER \_\_\_\_\_

SCALE = 1:10

PAGE 1 OF 2

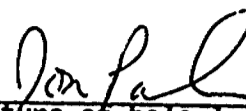
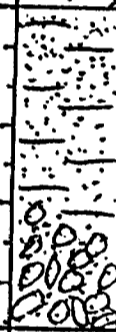
DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
0.50			ice + water		<u>Jon Palmer</u>
1.00 1.50 2.00 2.50	SSS SSS SSS SSS		Organics	No Sample	

DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_

BORING METHOD \_\_\_\_\_ DIAMETER \_\_\_\_\_

DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_


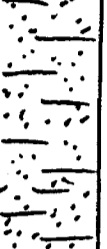
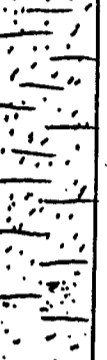
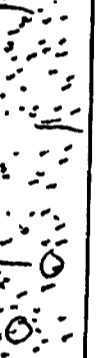

SCALE = 1:10

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
2.70	SSS				 Signature of hole logger
3.00	SSS		Organics	NO sample	
3.50	SSS				
			grey beige, sandy clay changing to an unsorted sand and gravel. - 50% gravel at bottom of hole.	9-1b	
4.00			E.O.H.		

PROJECT VERMILION RIVER-88 HOLE# 10 HOLE LOCATION 175m N, 150m E  
 DATE 88 01 11 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 4.9m  
 BORING METHOD WINK VIBRA-CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOGGER \_\_\_\_\_  
 SCALE = 1:10 PAGE 1 OF 2

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
			ice + water		<u>Jon Palmer</u>
0.50	SSS				
1.00	SSS				
1.50	SSS		Organics	NO Sample	
2.00	SSS				
2.50	SSS		grey-bioge, water saturated, sandy clay - unsorted sands w peps towards bottom	10-1	



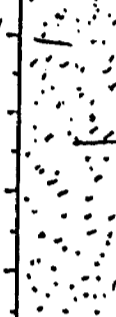

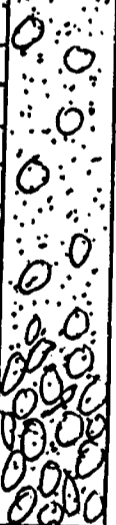
SCALE = 1:10

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
2.70					 Signature of hole logger
3.00			- as above	10-1	
3.50					- no distinct contact was observed between the clays and the unsorted sands.
4.00			- some small lenses of a sticky grey sandy clay found between the water saturated sandy clay above and the unsorted sands below	10-2	→ the coarser fraction
4.50			- 50% gravel at bottom		
5.00			E.O.H.		

PROJECT VERMILION RIVER - 88 HOLE# 10b HOLE LOCATION 175m N, 150m E  
 DATE 88 01 11 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 4.6m  
 BORING METHOD WINK VIBRA CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOSSER \_\_\_\_\_  
 SCALE = 1:10 PAGE 1 OF 2

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
			ice + water		<p>- when emptying the rods from this hole the samples collected were more representative of the 3 lithologies drilled.            - more so than hole 10.</p>
0.50	SSS				
1.00	SSS				
1.50	SSS		Organics		
2.00	SSS				
2.50	SSS		brown, oxidized, sandy clay - f. gr. sand	10-1b	

SCALE = 1:10

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
2.70					 Signature of hole logger
3.00				10-1b	- sandy clay  → didn't observe a distinct contact
3.50			unsorted, brown, sand - fines upwards - 50% gravel at bottom of hole	10-2b	- unsorted sands
4.00				10-3b	- gravel w unsorted sands.
4.50					
5.00			E.O.H.		



ERMILION RIVER-88

HOLE# 11

HOLE LOCATION 200m N, 150m E

DATE 88 01 11

TIME STARTED/FINISHED

LENGTH

7.0m

BORING METHOD WINK VIBRA-CORER

DIAMETER

BQ

DRILLER Jon Palmer


HELPER Rod Sutherland

SAMPLER  
LOGGER

Jon Palmer

SCALE = 1:10

PAGE 1 OF 3

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
			ice + water		 Signature of hole logger
0.50	SSS		Organics	no sample	
1.00	SSS				
	OOO		unsorted sand and gravel.	11-1	
1.50			grey-biege, water saturated, sandy clay, 70% of sand increases downwards, changing to a brwn. unsorted sand, changing again to a coarser unsorted sand and gravel.		
2.00				11-2	- sandy clay
2.50					


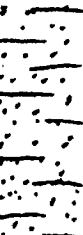
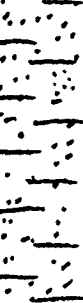



- no distinct contact observed

- sandy clay

PROJECT VERMILION RIVER - 88 HOLE# 11 (cont'd) HOLE LOCATION \_\_\_\_\_  
 DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_  
 BORING MET \_\_\_\_\_ DIAMETER \_\_\_\_\_  
 DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1:10

PAGE 2 OF 3

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
2.70					 Signature of hole logger
3.00					
3.50			-described as above	11-1	-sandy clay
4.00					-no distinct contact observed
4.50					
5.00				11-3	-unsorted sand

SCALE = 1:10

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
5.40					<i>Jon Paul</i>
5.50					
6.00			-described above.	11-3	- unsorted sand
6.50			-50% gravel at bottom	11-4	- no distinct contact observed
7.00			E.O.H.		- coarse sand w gravel - unsorted

PROJECT VERMILION RIVER - 88 HOLE# 12 HOLE LOCATION 225m N, 150m E



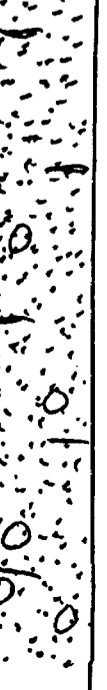
DATE 88 01 11 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 3.4m

DRILLING METHOD WINK VIBRA-CORER DIAMETER BQ

DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer

SCALE = 1:10

PAGE 1 OF 2

DEPTH (m)	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
0.50			ice + water		 Signature of hole logger
1.00			Organics	no sample	
2.00			poorly sorted brown sand - 50% gravel towards bottom - there is a small seam of clay in here somewhere (.5m) but it got mixed when emptying the rods.	12-1	

PROJECT VERMILION RIVER - 88 HOLE# 12 (cont'd) HOLE LOCATION \_\_\_\_\_  
 DATE \_\_\_\_\_ TIME STARTED/FINISHED \_\_\_\_\_ LENGTH \_\_\_\_\_  
 BORING METHOD \_\_\_\_\_ DIAMETER \_\_\_\_\_  
 DRILLER \_\_\_\_\_ HELPER \_\_\_\_\_ SAMPLER \_\_\_\_\_

SCALE = 1:10

PAGE 2 OF 2

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
2.70			poorly sorted sand changing to gravel towards bottom.	12-2	- coarse fraction
3.00					
3.50			E.O.H.		

PROJECT VERMILION RIVER - 88 HOLE# 12b HOLE LOCATION 225m N, 150m E


DATE 880111 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 2.1m

BORING METHOD WINK VIBRA CORER DIAMETER BQ

DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
LOGGER

SCALE = 1:10

PAGE 1 OF 1

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	Signature of hole logger
0.50			ice + water		<u>Jon Palmer</u>
1.00	SSS		Organics		
1.50	SSS				
2.00			unsorted sands + gravel w some clay matrix	12-1b	
2.50			E.O.H.		

PROJECT VERMILION RIVER - 88 HOLE# 13 HOLE LOCATION 250m N, 150m E  
 DATE 88 01 11 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 1.2m  
 BORING METHOD WINK VIBRA CORER DIAMETER BQ  
 DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
 LOSER \_\_\_\_\_  
 SCALE = 1:10 PAGE / OF 1

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
			ice + water		<u>Jon Palmer</u> Signature of hole logger
0.50 1.00	SSS SSS SSS SSS		Organics	NO sample	
1.50			E.O.H.		- hit a coarse unit at bottom of organics - no penetration - 3 attempts made

PROJECT VERMILION RIVER - 88 HOLE# 14 HOLE LOCATION 300m N, 150m E

DATE 88 01 12 TIME STARTED/FINISHED \_\_\_\_\_ LENGTH 1.2m

BORING METHOD WINK VIBRA-CORER DIAMETER BQ

DRILLER Jon Palmer HELPER Rod Sutherland SAMPLER Jon Palmer  
LOGGER

SCALE = 1:10

PAGE / OF /

DEPTH	LITHOLOGY	GRAIN SIZE	DESCRIPTION	SAMPLE	SIGNATURE OF HOLE LOGGER
			ice + water		<u>Jon Palmer</u> Signature of hole logger
0.50	SSS		Organics	NO Sample	
1.00	SSS				
1.50			E.O.H.		-hit a coarse layer at bottom of organics -no penetration -3 attempts made





411155W0140 2.10860 HUTTON

900

DOCUMENT No.  
**W8807-017**  
Mining Act

Instructions: - Please type or print.  
- If number of mining claims traversed exceeds space on this form, attach a list.  
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.  
- Do not use shaded areas below.

HUTTON TWP. (M.944)

Type of Survey(s) N/A	2.10860	Township or Area HUTTON TWP.
Claim Holder(s) OREVCO INC.	Prospector's Licence No. T 4948	
Address P.O. Box 2116 164 Sherbrooke St. Peterborough, Ontario K9J 7Y4		
Survey Company N/A	Date of Survey (from & to) 05 01 88   15 01 88 Day   Mo.   Yr.   Day   Mo.   Yr.	Total Miles of line Cut N/A
Name and Address of Author (of Geo-Technical report) Richard P. Gagné B.Sc. Hon. Geology -Address as above-		

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
S	943428	3.9			
	943429	3.9			
	943430	3.9			
	943431	20.0			
	943432	20.0			
	943433	20.0			
	864799	40.0			
	894727	40.0			
	894728	40.0			
	894729	40.0			
	894735	40.0			
	864643	20.4			
	864644	26.8			

RECEIVED

FEB 24 1988

MINING LANDS SECTION

ARIO GEOLOGICAL SURVEY  
ASSESSMENT FILES  
OFFICE

MAR - 7 1988

RECEIVED

SUBBURY  
MINING DIV.  
RECEIVED  
FEB - 4 1988  
A.M.  
7:18, 9:10, 11:12, 1:20, 3:15, 5:16

Expenditures (excludes power stripping)

Type of Work Performed **Sample Preparation and assays**

Vibrocure Drilling, and assays

Performed on Claim(s)  
S 515437

Calculation of Expenditure Days Credits

Total Expenditures \$ 4783.85 + 15 = Total Days Credits 318.9

Total number of mining claims covered by this report of work. **13**

Instructions  
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date **88 01 29** Recorder/Holder's Agent (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded **318.9** Date Recorded **FEB 4 1988** Mining Recorder *J.C. Miller*

Date Approved as Recorded **29 Feb 88** Branch Director *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying  
**Richard P. Gagné B.Sc. Hon. Geology**  
P.O. Box 2116 Peterborough, Ontario K9J 7Y4

Date Certified **January 29, 1988** Certified by (Signature) *[Signature]*

CREELMAN TWP. M.737

THE TOWNSHIP OF HUTTON

DISTRICT OF SUDBURY MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers.

Lots 1 to 6, concessions 1 to 6 may be staked in the same manner as mining claims in unsurveyed territory. May 16, 1946 - File 83.5 - Mining Act Sec. 53 (52 A 1946).

Land required for railway purposes shown thus: [hatched symbol]

Files 4826 & 4841.

Parts of Con. 1, 2, 4, 5 & 6: Subdivision Annulled.

SAND AND GRAVEL  
 QUARRY PERMIT

PLAN NO. M-944

ONTARIO MINISTRY OF NATURAL RESOURCES SURVEYS AND MAPPING BRANCH

KITCHENER TWP. M.973 VI V IV III II I

PARKIN TWP. M.1049

WISNER TWP. M.1185

