CONTENTS:

Respectfully submitted by:

ART ELLIOTT EXPLORATION (R)

Art Elliott

Art Elliott, Mgr.

27 Nov.'88

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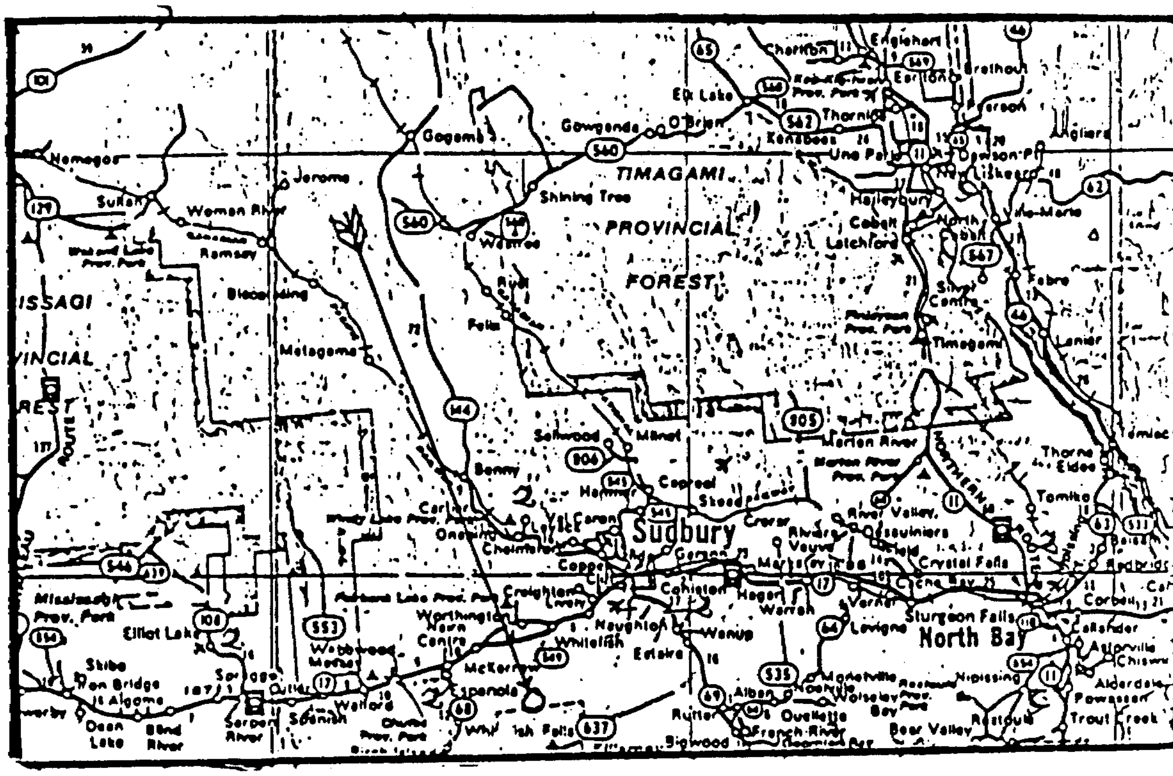
CONTENTS:

Respectfully submitted by:

ART ELLIOTT EXPLORATION (R)

Art Elliott, Mgr.

27 Nov.'88


TIMAGAMI
PROVINCIAL
FOREST
Sudbury
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Gogama
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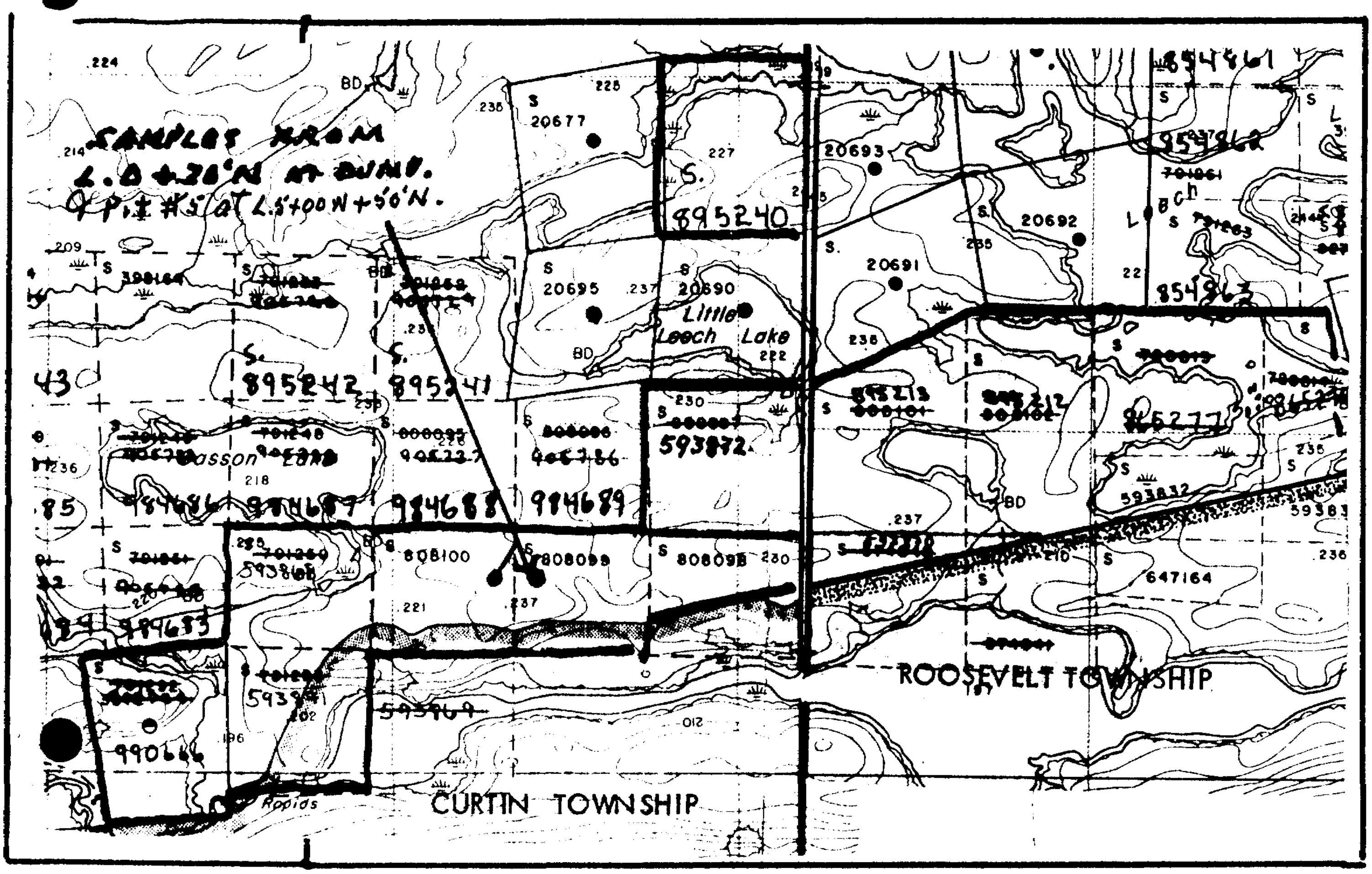
Ramsay
Metagama
Benny
Cartier
Chelmsford
Capreol
Coniston
Hagar
Warren
Verner
Sturgeon Falls
Elliot Lake
Espanola
Whitefish
McKerrow
Webbwood
Massey
Spanish
Serpent River
Iron Bridge
Thessalon
New Liskeard
Haileybury
Cobalt
Latchford
Temagami
Marten River
Kenabeek
Earlton
Englehart
Charlton
Callander
Powassan
Trout Creek
Alban
Noelville
Monetville
Estaire
Naughton
Lively
Copper Cliff
Dean Lake
Blind River
Nemegos
Mississagi Prov. Park
ISSAGI
VINCIAL
REST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L.0+35'N AT DUMP.
& Pit #5 at L.5+00N+50'N.
20677
20693
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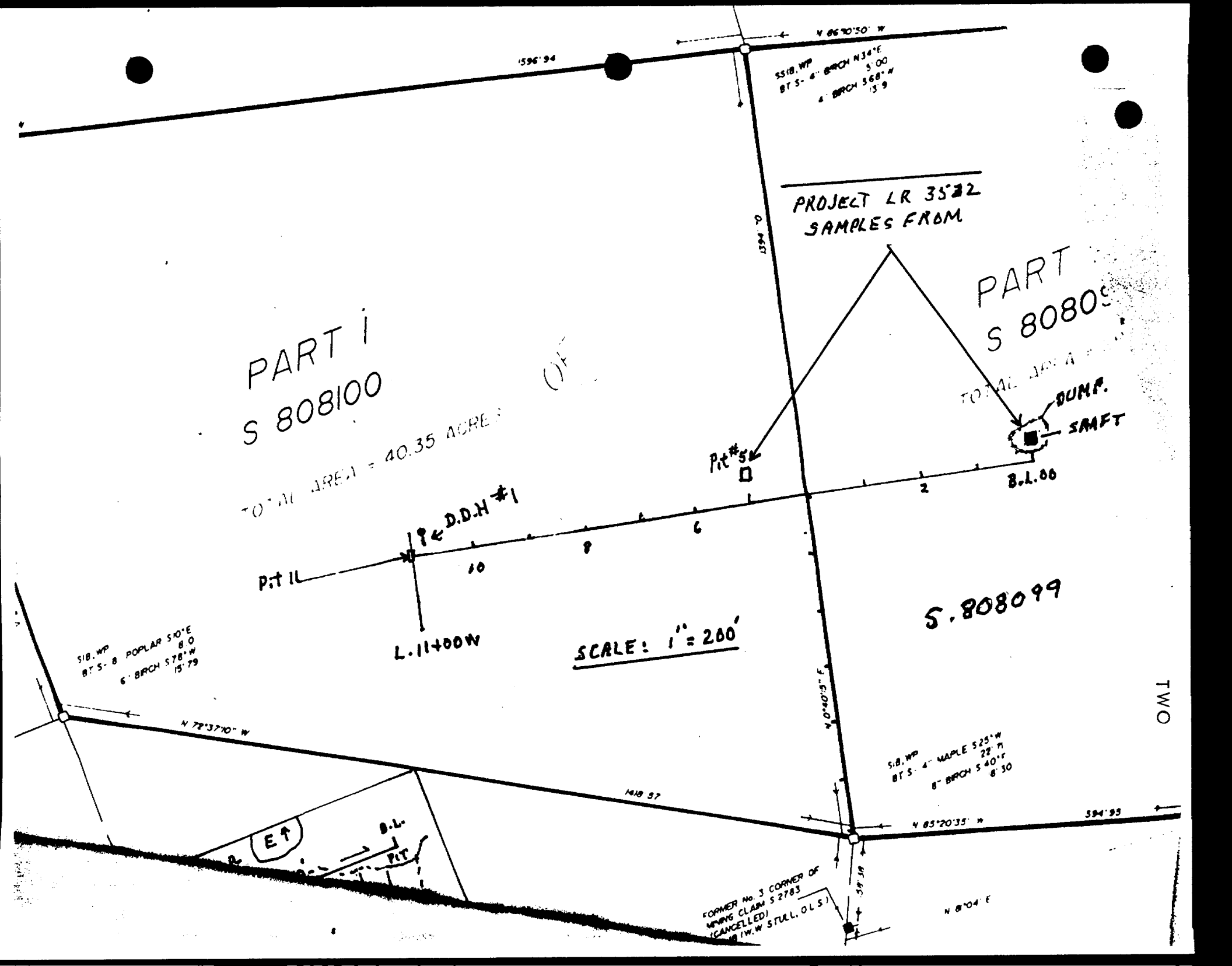
20690
Little Leech Lake
895240
895242
895241
593872
593832
808100
808099
808098
647164
Wasson Lake
854963
ROOSEVELT TOWNSHIP
CURTIN TOWNSHIP
Rapids


PROJECT LR 3532
SAMPLES FROM
PART I
S 808100
PART
S 8080
DUMP.
SMFT
Pit #5
D.D.H #1
Pit IL
L.11+00W
SCALE: 1" = 200'
S.808099
N 66°30'50" W
1596'94
S18. WP
BT S- 4" BIRCH N34°E
5'00
4" BIRCH S68° W
13'9
594'70
2
B.L.00
10
8
6
S18. WP
BT S- 8 POPLAR S10°E
8.0
6" BIRCH S78° W
15'79
N 72°37'10" W
N 0°40'15" E
S18. WP
BT S- 4" MAPLE S25° W
22'11
8" BIRCH S40° E
8'30
N 85°20'35" W
594'93
B.L.
Pit
FORMER No. 3 CORNER OF
MINING CLAIM S 2783
(CANCELLED)
N 8°04' E
TWO

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: 26707

DATE June 09 19 88

TO: Art Elliot Exploration
438 High Street,
London, Ontario N6C 4L5
Attn: Mr. Art Elliot

SENT TO:

Our Project L.R. 3532 - May Charges

RE: Tabling/Mozley testwork on
samples from Howry Creek Mine

TO Research Charges:					
7.5	hours	at	$ 46.75	350.62	
TO Analytical Charges:					350.62
1	As	@	$ 12.00	12.00	
6	Au	@	$ 11.00	66.00	
1	CaCO3	@	$ 14.00	14.00	
1	Cd	@	$ 10.00	10.00	
1	Cl	@	$ 10.00	10.00	
1	Conducti	@	$ 7.00	7.00	
1	Cu	@	$ 10.00	10.00	
1	Fe	@	$ 9.00	9.00	
1	NO3	@	$ 20.00	20.00	
1	NH3	@	$ 20.00	20.00	
1	Ni	@	$ 10.00	10.00	
1	Pb	@	$ 10.00	10.00	
1	S	@	$ 12.00	12.00	
1	TSS	@	$ 8.00	8.00	
1	Zn	@	$ 10.00	10.00	
1	pH	@	$ 7.00	7.00	
					235.00
					$ 585.62
			Deposit		500.00
			Balance		85.62

PAID IN FULL Sept. 12

N Blanchard

PLEASE PAY BY INVOICE — *Terms: Net 30 days. 2% service charge per month on overdue accounts.*

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.: 26972

DATE August 11 19 88

TO: Art Elliot Exploration,
438 High Street,
London, Ontario
N6C 4L5

SENT TO:

Our Project L.R. 3532 - July Charges

Re: Tabling/Mozley testwork

TO RESEARCH CHARGES:				
20.0 hours at		$ 49.50		965.25
TO ANALYTICAL CHARGES:				
5	Au	at $ 11.00	55.00	
1	Hg Sol	14.00	14.00	
1	pH	7.00	7.00	
1	SQ ICP	50.00	50.00	
1	TDS	12.00	12.00	
1	TSS	8.00	8.00	
				146.00
				$1111.25

NOTE: This invoice replaces No. 26940

PAID 1015.63 (2 cheques - 550.75(85.62 applied to inv. 26707)
(464.88 applied to 26972)

550.75(applied to 26972 leaving a balance of 95.62)

FIVE

ELL100

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.: 27080

DATE September 12 1988

TO:
ART ELLIOT EXPLORATION
438 HIGH STREET
LONDON, ONTARIO
N6C 4L5

SENT TO:

Our Project L.R. 3532 - - AUGUST Charges		
RE: TABLING/MOZLEY		
TO RESEARCH CHARGES :		
4.5 hours at $ 49.50	222.75	222.75
TO ANALYTICAL CHARGES :		
1 AU @ $ 9.50	9.50	
8 AU @ $ 11.00	88.00	
3 CO @ $ 10.00	30.00	
1 HG SOL @ $ 14.00	14.00	
1 PH @ $ 7.00	7.00	
1 SQ - ICP @ $ 50.00	50.00	
1 TDS @ $ 12.00	12.00	
1 TSS @ $ 8.00	8.00	218.50
		$ 441.25

AR

THIS INVOICE IS PAID IN FULL BY ART ELLIOT

Margo Mansfield

An Investigation of

THE RECOVERY OF GOLD

from samples of HOWRY CREEK ORE

provided by

ART ELLIOTT EXPLORATION

Progress Report No. 1

Project No. LR-3532

Note:

This report refers to the samples as received.

LAKEFIELD RESEARCH
A Division of Falconbridge Limited
Lakefield, Ontario
August 21st, 1988

TABLE OF CONTENTS

INTRODUCTION

This report details the results of testwork conducted on samples of Howry Creek ores and waters submitted by Art Elliott Exploration.

The test program included quantitative analysis of two ore samples and a site water sample, gravity concentration and flotation tests to recover gold from a screen fines sample, and semi-quantitative (ICP Scan) analysis of gravity concentration tailings water.

All samples were hand delivered to Lakefield Research by Mr. Art Elliott of Art Elliott Exploration, and the results and direction of the test program were discussed in telephone conversations and meetings with Mr. Elliott during the course of the project.

LAKEFIELD RESEARCH

K.W S Salter

for Robert S. Salter

General Manager

James T. Farey

Senior Engineer

Experimental Work By: K. Stewart - technician

SUMMARY

1. Sample Description

On May 31st, 1988, samples of ore and site water from the Howry Creek mine were hand delivered to Lakefield Research by Mr. Art Elliott of Elliott Exploration. The samples were identified as follows:

Howry Creek (Pit 5)

Howry Creek Screen Fines (from ore pile)

Quartz Plug

Shaft Water

The **Screen Fines** sample consisted of approximately 15 kilograms of weathered/oxidized fines which were hand screened from the Ore Pile. The fines were medium brown in colour and of relatively low bulk density. This material was reserved for testing to recover gold values. The **Ore Pile** and **Quartz Plug** coarse rock samples were analyzed for gold by duplicate fire assay with the following results:

Pit 5	13.9 g/t (0.405 oz/ton)
	12.7 g/t (0.370 oz/ton)
Quartz Plug	1.55 g/t (0.056 oz/ton)
	1.73 g/t (0.063 oz/ton)

The **Shaft Water** sample was from an on-site shaft and was submitted in a soft drink bottle. The sample contained a small quantity of floating debris as well as a significant quantity of suspended and settled solids. The sample was agitated then allowed to settle for 24 hours. An aliquot was then removed from below the surface and submitted for quantitative water analysis. A **Certificate of Analysis** can be found in the Testwork Details section of this report.

2. Gold Recovery from Screen Fines The Screen Fines sample was treated as is on a 600 mm x 1,270 mm Wilfley shaking table (1/8th size) operated with middlings recycle. The concentrate was then cleaned once on a Mozley Mineral Separator. The Mozley concentrates were submitted for Au analysis. The Mozley and table tails were combined and reground for 15 minutes at 65% solids in a laboratory ball mill and the reground tailings were then re-tabled as above. The secondary table concentrate was then cleaned on the Mozley separator to produce a concentrate and a middling for separate analysis. Results are summarized as follows:

Combined Coarse and Fine Results

	Weight		Assays		Recovery	
Product	grams	Wt %	g/t Au	(oz/T)	mg Au	Au %
Coarse Moz Conc	2.35	0.03	1,185	34.56	2.78	2.0
Fine Moz Conc	13.1	0.18	1,185	34.56	15.52	11.2
Fine Moz Midds	662.1	9.24	84	2.45	55.62	40.1
Final Tails	6,484.9	90.5	10.0	0.29	64.85	46.7
Head (calc)	**7,162.5**	**100.0**	**19.4**	**0.57**	**138.77**	**100.0**
Comb Mozley Conc	15.5	0.22	1,185	34.56	18.31	13.2
Total Grav Conc	677.6	9.46	109.1	3.18	73.92	51.3

These data show that the fines sample contained 0.57 oz/ton gold, of which about 13% was recovered into a gravity concentrate grading about 35 oz/ton. Inclusion of the Mozley middlings yielded a product grading about 3 oz/ton containing about 50% of the gold. This lower grade, higher recovery product comprised about 10 wt% of the initial feed.

The tails from the second, reground table test were then subjected to three stage rougher-only flotation to recover gold and sulphides. Results are summarized on the following page.

2. Gold Recovery from Screen Fines (continued)

Product	Weight gram	Weight %	Assays (g/t, %) Au	Fe	S	Distribution (%) Au	Fe	S
Rghr 1 Conc	92.2	8.5	44.8	31.9	19.3	39.6	23.5	38.2
Rghr 2 Conc	94.3	8.7	31.2	32.8	18.9	28.2	24.7	38.3
Rghr 3 Conc	22.8	2.1	16.8	22.2	8.68	3.7	4.0	4.3
Rghr 3 Tail	876.1	80.7	3.39	6.81	1.02	28.5	47.7	19.2
Head (calc)	**1085.4**	**100.0**	**9.61**	**11.5**	**4.29**	**100.0**	**100.0**	**100.0**
Ro 1+2 Conc	186.5	17.2	37.9	32.4	19.1	67.8	48.2	76.5
Ro 1-3 Conc	209.3	19.3	35.6	31.2	18.0	71.5	52.3	80.8

These data show that a substantial proportion of the gold remaining in the tailings following gravity concentration was recoverable by flotation. The combined rougher concentrate graded 1 oz/ton and contained about 70% of the residual gold. This incremental gold may have been fine free gold not recovered in the gravity concentration stage, or it may have been gold encapsulated in sulphides. The corresponding sulphur and iron assays indicate that the gold tracked the sulphides but, in the absence of a detailed mineralogical examination, it cannot be stated with confidence that the gold was contained in the sulphides.

The combined effect of the two processes - gravity and flotation - are summarized as follows:

Product	Weight gram	Weight Wt %	Assays g/t Au	Assays oz/T Au	Distributions mg Au	Distributions Rec %
Coarse Moz Conc	2.35	0.03	1,185	34.6	2.78	2.0
Fine Moz Conc	13.1	0.18	1,185	34.6	15.48	11.2
Fine Moz Midds	662.1	9.24	84.0	2.45	55.61	40.1
Rghr Conc	1,250.5	17.46	37.1	1.08	46.38	33.4
Rghr Tail	5,234.4	73.08	3.53	0.103	18.47	13.3
Head (calc)	7,162.4	100.0	19.37	0.565	138.73	100.0
Combined Conc	**1,928.0**	**26.9**	**62.4**	**1.82**	**120.3**	**86.7**

These data show that 87% of the gold was recovered into 27% of the weight at a grade of 1.8 oz/ton.

2. Gold Recovery from Screen Fines (continued)

In the first gravity test, the sample was tabled as is then reground and re-tabled. Results were improved with regrinding, so a second fresh sample of screen fines was reground first, then subjected to gravity concentration with upgrading on the Mozley separator. Cobalt was analyzed in addition to gold in this test to determine if cobalt could be concentrated by gravity. Results were as follows:

	Weight		Assays			Recoveries (%)	
Product	grams	Wt %	g/t Au	(oz/T)	% Co	Au	Co
Mozley Conc	14.48	0.15	601	17.5	0.230	21.6	1.9
Mozley Tail	1,191.0	12.6	6.00	0.17	0.024	17.7	16.6
Table Tail	8,254.5	87.3	2.97	0.09	0.017	60.7	81.5
Head (calc)	**9,460.0**	**100.0**	**4.27**	**0.12**	**0.018**	**100.0**	**100.0**
Table Conc	1,205.5	12.7	13.1	0.38	0.026	39.3	18.5

The feed sample for this test was significantly lower in grade (0.12 oz/ton) than the previous sample of screen fines (0.55 oz/ton). The Mozley concentrate was lower in grade but higher in recovery than in the previous test. This degree of variation would be acceptable in the treatment of small quantities of ore of similar grade. The effect of the lower grade is difficult to predict. In the treatment of tonnage quantities, however, it would be reasonable to expect that recovery could be held at about 20 % while achieving grades of +30 oz/ton.

The above test confirms the presence of cobalt in the ore at a grade of 0.018% or about 5 oz/ton. The cobalt was upgraded by a factor of 12 to about 67 oz/ton in the gravity concentrate, but recovery was very low at about 2%.

3. Analysis of Table Tails Water

Following the first table test, a quantity of water was decanted from the collected tailings. The water sample was allowed to settle and was then filtered through a Millipore filter and submitted for analysis by Semi-quantitative Inductively Coupled Argon Plasma Spectroscopy. The most significant constituents are summarized below and a complete Certificate of Analysis can be found in the Testwork Details section of this report.

Element	mg/L
As	0.44
Ca	33.0
Mg	4.36
Na	3.28
Ni	0.15
S	8.18
Si	1.49
SO4	23.4
pH	7.4

The higher values for sulphur, sulphate sulphur, arsenic and nickel can probably be attributed to the fact that the screen fines were recovered from an ore pile which had been lying exposed to the elements for a number of years. It should be noted that the degree of dilution resulting from a laboratory scale gravity concentration test may not be comparable to the dilution which would occur in a production plant.

CONCLUSIONS

The gold contents of the two individual ore samples submitted, as determined by duplicate fire assay were as follows:

Howry Creek (Pit 5)	0.388 oz/ton
Quartz Plug	0.060 oz/ton

The gold contents of the two Screen Fines samples, as calculated from fire assays of test products were as follows:

Screen Fines 1	0.566 oz/ton
Screen Fines 2	0.125 oz/ton

Gravity concentration tests were conducted on the high and low grade Screen Fines samples using a Wilfley shaking table and a Mozley Mineral Separator. Tests on the high grade material showed that, with a moderate regrind prior to processing, about 13% of the gold was recovered into a product grading about 35 oz/ton. Only about 2% of the gold was recovered without regrinding. An additional 40% of the gold was recovered into a middling product grading about 2.5 oz/ton. In a similar test on the low grade material, about 22% of the gold was recovered into a product grading about 18 oz/ton. Cobalt analyses in this test showed that less than 2% of the cobalt is recovered into the gravity concentrate. A flotation test showed that about 70% of the gold could be recovered into a concentrate grading about 1 oz/ton, this product comprising about 20% of feed weight.

TESTWORK DETAILS

Art Elliott Exploration **Gravity Concentration Report** LR-3532
(Howry Creek)

Test 1 - Table/Mozley on Unground Fines

Product	grams	Assays g/t Au	(oz/T)	mg Au
Moz 1	1.15	1,020	29.75	1.173
Moz 2	1.20	1,343	39.17	1.612
Gravity Tails	7,160	Reground and portion re-tabled.		

Test 2 - Table/Mozley on Reground Tails from Test 1

(adjusted results)

Product	Weight grams	Wt %	Assays g/t Au	(oz/T)	Recovery mg Au	Au %
Moz 1	13.06	0.18	1,185	34.56	15.480	11.4
Moz 2	662.1	9.25	84.0	2.45	55.612	40.9
Gravity Tails	6,484.9	90.6	10.0	0.29	64.849	47.7
Head (calc)	**7,160.0**	**100.0**	**19.0**	**0.55**	**135.9**	**100.0**

Combined Coarse and Fine Results

Product	Weight grams	Wt %	Assays g/t Au	(oz/T)	Recovery mg Au	Au %
Coarse Moz Conc	2.35	0.03	1,185	34.56	2.785	2.0
Fine Moz Conc	13.1	0.18	1,185	34.56	15.480	11.2
Fine Moz Midds	662.1	9.24	84	2.45	55.612	40.1
Final Tails	6,484.9	90.5	10.0	0.29	64.849	46.7
Head (calc)	**7,162.3**	**100.0**	**19.4**	**0.56**	**138.726**	**100.0**
Comb Grav Conc	15.4	0.22	1185.0	34.56	18.264	13.2

(actual fine results)

Product	Weight grams	Wt %	Assays g/t Au	(oz/T)	Recovery mg Au	Au %
Moz 1	2.35	0.18	1,185	34.56	2.785	11.4
Moz 2	119.1	9.25	84.0	2.45	10.004	40.9
Gravity Tails	1,166.6	90.6	10.0	0.29	11.666	47.7
Feed (calc)	1,288.1	100.0	19.0	0.55	24.455	100.0

Art Elliott Exploration (Howry Creek) **Flotation Test Report** LR-3532

Test No. : T-3

Feed : Test 2 Table Tails

Purpose : To investigate the flotation recovery of gold from a sample of Howry Creek Ore.

Procedure: A 1,085.4 gram sample of Test 2 Table Tails was roughed three times in a Denver D-1 500 gram laboratory flotation cell operated at 1,500 RPM according to the conditions set out below.

Operating Conditions:

	Reagents (g/tonne)			Time (min)		
Stage	A350	CuSO4	MIBC	Cond	Float	pH
Rougher 1	50		11	5	5	8.2
Rougher 2	30			3	3	6.9
Rougher 3	30	250		5	3	6.2
Totals	110	250	11	13	11	

Metallurgical Results:

	Weight		Assays (g/t, %)			Distribution (%)		
Product	gram	%	Au	Fe	S	Au	Fe	S
Rghr 1 Conc	92.2	8.5	44.8	31.9	19.3	39.6	23.5	38.2
Rghr 2 Conc	94.3	8.7	31.2	32.8	18.9	28.2	24.7	38.3
Rghr 3 Conc	22.8	2.1	16.8	22.2	8.68	3.7	4.0	4.3
Rghr 3 Tail	876.1	80.7	3.39	6.81	1.02	28.5	47.7	19.2
Head (calc)	1085.4	100.0	9.61	11.5	4.29	100.0	100.0	100.0
Ro 1+2 Conc	186.5	17.2	37.9	32.4	19.1	67.8	48.2	76.5
Ro 1-3 Conc	209.3	19.3	35.6	31.2	18.0	71.5	52.3	80.8

Comments:

Results show that about 70 % of the gold was recovered into a flotation concentrate grading about 1 ounce per ton Au (35.6 g/t). Iron and sulphur assays indicate that the gold tracked the sulphides.

Test 4 - Table/Mozley on Fresh Sample

A 10 kilogram charge of Howry Creek screen fines, hand delivered by Art Elliott, was ground at 50 % solids for 15 minutes in the large ball mill. The ground sample was then tabled with middlings recycle to produce approximately one kilogram of concentrate. The concentrate was then cleaned on a Mozley Mineral Separator.

Product	grams	Assays g/t Au	Assays (oz/T)	Assays % Co	Recoveries (%) Au	Recoveries (%) Co
Mozley Conc	14.48	601	17.53	0.230	21.6	1.9
Mozley Tail	1,191.0	6.00	0.17	0.024	17.7	16.6
Table Tail	8,254.5	2.97	0.09	0.017	60.7	81.5
Head (calc)	**9,460.0**	**4.27**	**0.12**	**0.018**	**100.0**	**100.0**
Table Conc	1,205.5	13.1	0.38	0.026	39.3	18.5

CERTIFICATES OF ANALYSIS

LAKEFIELD RESEARCH
A DIVISION OF FALCONBRIDGE LIMITED
P.O. Box 430, 185 Concession St., LAKEFIELD, ON K0L 2H0
Phone: (705) 652-3341, Facsimile: (705) 652-6365, Telex: 0696-2842

No.: 1627

CERTIFICATE OF ANALYSIS

Art Elliott Exploration

Date: June 13, 1988
Sample Received:
No. of Samples:
Our Reference No.: Project No. 3532
Your P.O. No.: Shaft Water

Samples submitted to us show results as follows:

Shaft Water	
As mg/L	0.14
Cd mg/L	<0.01
Cu mg/L	<0.02
Fe mg/L	0.09
Ni mg/L	0.03
Pb mg/L	<0.05
S mg/L	13.8
Zn mg/L	0.04
Cl mg/L	0.80
NH3 mg/L	0.079
NO3 mg/L	<0.002
Total suspended Solidsmg/L	5
pH	5.63
Conductivity	72 umho
Hardness, Mg equivalent CaCO3/L	28.4
Totals: 8	15

Additional Copies to

Signed: J. R. Johnston

J. R. Johnston, Chief Chemist

NOTE: Rejects will be discarded after 6 months
Please, inquire about our long-term storage facilities

LAKEFIELD RESEARCH
A DIVISION OF FALCONBRIDGE LIMITED
O. Box 430, 185 Concession St., LAKEFIELD, ON K0L 2H0
Phone: (705) 652-3341, Facsimile: (705) 652-6365, Telex: 0696-2842

No.: 5665

CERTIFICATE OF ANALYSIS

Art Elliott Exploration
-
-
-

Date: June 24, 1988
Sample Received: -
No. of Samples: -
Our Reference No.: -
Your P.O. No.: Project No. 3532

Samples submitted to us show results as follows:

Table Tailing H2O

Al mg/L	<0.10
As mg/L	0.44
Ba mg/L	<0.05
Be mg/L	<0.01
Ca mg/L	33.0
Cd mg/L	<0.05
Do mg/L	<0.05
Cr mg/L	<0.05
Cu mg/L	<0.05
Fe mg/L	<0.05
Mg mg/L	4.36
Mn mg/L	<0.05
Mo mg/L	<0.10
Na mg/L	3.28
Ni mg/L	0.15
P mg/L	<0.20
Pb mg/L	<0.10
S mg/L	8.18
Sb mg/L	<0.10
Se mg/L	<0.50
Si mg/L	1.49
Sn mg/L	<0.20
Te mg/L	<0.10
Zn mg/L	<0.05
SO4-	23.5
pH	7.41
Totals: 6	26

Additional Copies to

Signed:

for-A. E. Carr, Manager - Assay Services

NOTE: Reject[illegible]e discarded after 6 months
Please inquire ab[illegible] long-term storage facilities

Ministry of Northern Development and Mines

Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

DOC W8

Min

W8807-218

41104NE0149 2.11912 CURTIN

900

2.11912

Type of Survey(s)

Beneficiation Study by Lakefield Research

Curtin Twp. Sud. Dist.

Claim Holder(s)

Arthur T. Elliott, 438 High St. London, Ont. N6C 4L5

Prospector's Licence No.

C-31734

Address

Survey Company

Date of Survey (from & to) Day | Mo. | Yr. | Day | Mo. | Yr.

Total Miles of line Cut

Name and Address of Author (of Geo-Technical report)

Lakefield Research, P.O. Box 430 Lakefield, Ont. K0L 2H0

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	· Electromagnetic	
	· Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	· Radiometric	
	· Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	· Electromagnetic	
	· Magnetometer	
	· Radiometric	
	· Other	
	Geological	
	Geochemical	

Airborne Credits		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 Prefix	Mining Claim Number	Expend. Days Cr.
S	808098	40.5
	895212	40
	895213	40
	593872	16.9

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

SUDBURY MINING DIV. RECEIVED NOV 16 1988 A.M. P.M.

RECEIVED NOV 23 1988 MINING LANDS SECTION

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE DEC 19 1988 RECEIVED

Total number of mining claims covered by this report of work. 4

Expenditures (excludes power stripping)

Type of Work Performed

Beneficiation Study

Performed on Claim(s)

S-808099-808100

(contiguous to 808098)

Calculation of Expenditure Days Credits

Total Expenditures: $ 2,062.50 ÷ 15 = Total Days Credits: 137.4

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.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
137.4	November 18/88	
	Date Approved as Recorded	Branch Director
	15 Dec 88 RM	

Date: 14 Nov.'88

Recorded Holder or Agent (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

Art Elliott, 438 High St. London, Ont. N6C 4L5

Date Certified: 14 Nov.'88

Certified by (Signature)

1362 (85/12)

Ministry of Northern Development and Mines

Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

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.

Type of Survey(s): Beneficiation Study by Lakefield Research	Township or Area: Curtin Twp. Sudbury Dist.
Claim Holder(s): Arthur T. Elliott, 438 High St., London, Ont. N6C4L5	Prospector's Licence No.: C-31734
Address:	
Survey Company:	Date of Survey (from & to): Day / Mo. / Yr. – Day / Mo. / Yr.
	Total Miles of line Cut:
Name and Address of Author (of Geo-Technical report): Lakefield Research, P.O. Box 430, Lakefield, Ont. K0L 2H0	

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		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed: Beneficiation study

Performed on Claim(s): S-808099-808100

(contiguous to 808098)

Calculation of Expenditure Days Credits

Total Expenditures				Total Days Credits
$2,062.50	÷	15	=	137.4

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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
S	808098	40.5
	895212	40
	895213	40
	593872	16.9

Total number of mining claims covered by this report of work: 4

Date	Recorded Holder or Agent (Signature)
14 Nov. '88	[signature]

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

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: Art Elliott, 438 High St. London Ont. N6C 4L5

Date Certified	Certified by (Signature)
14 Nov. '88	[signature]

1362 (85/12)

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		÷		=	

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		÷		=	

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		÷		=	

Type of Survey

Technical Days				Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
	X	7	=		+		=		÷		=	

MAP SYMBOLOGY

Aerial Cableway
Boundary
International
Interprovincial
District, Township Indian Reserve
Approximate
Lot, Concession
Approximate
Park Boundary
Bridge
Road, Railroad
Building
Chimney
Cliff, Pit, Pile
Contours
Intermediate
Approximate
Depression
Control Points
horizontal
vertical
Culvert
Falls
Double line river
Fence, Hedge, Wall
Feature Outline (Construction Features, etc.)
Flooded Land
Lock
Marsh or Swamp
Mast
Mine Head Frame
Outcrop

Pipeline (above ground)
Railroad
Single Track
Double Track
Abandoned
Turntable
Road
Highway, County, Township
Access (road of doubtful maintenance or significant driveway)
Trail, Bush Road (portage, winter)
Rapids
Double line river with multiple rapids
Double line river with multiple rapids
Reservoir
River, Stream, Canal
Approximate Permanent
Direction of Flow
Rock
Islet
Shoal
Spot Elevation (lake elevations)
Tower
Transmission Line
Poles
Pylons
Tunnel
Utility Poles
Wharf, Dock, Pier
Wooded Area

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R) RESERVE		SEPT 9/69		163005
(R) RESERVE		SEPT 9/69		163005
R3 M+S	W-77/87	1987-08-21		
R4 M+S	W-78/87	1987-08-24		

SAND AND GRAVEL

(R) GRAVEL — FILE – 161064

FLOODING ON FROOD AND CARLTON LAKES TO CONTOUR ELEVATION 9700 CONTROLLED BY A MINISTRY OF NATURAL RESOURCES DAM NORTH OF WHITEFISH FALLS. FILE 45414 VOL.2

FLOODING ON LANG LAKE TO CONTOUR ELEVATION 99.65 CONTROLLED BY A MINISTRY OF NATURAL RESOURCES DAM BETWEEN CROSS AND LANG LAKES FILE 45414 VOL.3

SURRENDERED PORTION OF THE WHITEFISH RIVER INDIAN RESERVE IS ADMINISTERED BY THE INDIAN AFFAIRS BRANCH OF THE DEPARTMENT OF INDIAN AND NORTHERN AFFAIRS, OTTAWA.

FOSTER TWP

MONGOWIN TWP.

ROOSEVELT TWP.

SURRENDERED PORTION

SEE COMPOSITE PLAN M-730

SEE COMPOSITE PLAN M-731

SEE COMPOSITE PLAN M-732

W.28/85 NER (Surface Rights Only)

W-77/87 NER

W-78/87 NER

WHITEFISH RIVER INDIAN RESERVE No.4

KILLARNEY PROVINCIAL PARK

KILLARNEY TWP.

FOR STATUS REFER TO TWP. PLAN

DISTRICT OF SUDBURY
DISTRICT OF MANITOULIN

FOR STATUS OF ISLANDS SEE AREA PLAN SOUTH OF CURTIN TWP. (M.745)

LEGEND

HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINES:
TOWNSHIPS, BASE LINES, ETC.
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINES:
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LAN

TYPE OF DOCUMENT	SYM
PATENT, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MA... 1913, VESTED IN ORIGINAL PATENTEE BY THE PUB... LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC...

SCALE 1:20 000
GRID ZONE: 17

* Order No. W.28/85 NER (Surface Rights Only) 1985.12.12

Order No W-77/87 NER 1987.08.21

DATE OF ISSUE
MAY 3 - 1988
SUDBURY
MINING RECORDER'S OFFICE

TOWNSHIP
CURTIN
M.N.R. ADMINISTRATIVE DISTRICT
ESPANOLA
MINING DIVISION
SUDBURY
LAND TITLES / REGISTRY DIVISION
SUDBURY

Ontario — Ministry of Natural Resources — Land Management Branch

Original Compilation: DECEMBER 1984
Revised:
Number: G-3005

41104NE0149 2.11912 CURTIN

200