



52F055E0055 2.8359 ROWAN LAKE

010

FALCONBRIDGE LIMITED
ASSESSMENT REPORT
1984 ROCK SAMPLING PROGRAM
WAMPUM LAKE PROJECT
ROWAN LAKE AREA, ONTARIO
NTS: 52 F 5/SE

RECEIVED

AUG 15 1985

MINING LANDS SECTION

R.L. Kenny
Falconbridge Limited
Winnipeg, Manitoba
August 12, 1985

*Send
this file*

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- Wampum Lake Trench Plan	

1.0 INTRODUCTION

On June 24 and July 10, 1984, reports of work covering a rock sampling program were submitted to the Mining Recorder's office in Kenora, Ontario (see Appendix I). The sampling program was carried out over parts of the Wampum Lake property at various times in 1984. This report describes the sampling program and the results obtained.

2.0 LOCATION AND ACCESS

The Wampum Lake property is located some 24 miles northeast of Nestor Falls and 50 miles southwest of Dryden, Ontario (Figure 1). Access to the property is by float or ski-equipped aircraft from Nestor Falls or Dryden.

3.0 PROPERTY DESCRIPTION

The property, comprising 45 claims, is held by Falconbridge Limited of Box 40, Commerce Court West, Toronto, Ontario. An outline of the property is shown in Figure 2. A listing of the claims is provided in Appendix II.

The sampling program was carried out on two of the claims. These claims, K810769 and K810772, are highlighted in Figure 2.

4.0 GENERAL GEOLOGY

The Wampum Lake property is located within the Archean Savant Lake-Crow Lake metavolcanic-metasedimentary belt. The property is underlain by a sequence of mafic to intermediate metavolcanic rocks and related sub-volcanic dioritic to gabbroic intrusions. The metavolcanic rocks, comprising predominantly massive mafic flows and minor pillowed, amygdaloidal and feldspar phyric flows as well as intermediate tuffs, exhibit an east-west strike and dip steeply to the north. Pillowed flows, where observed,

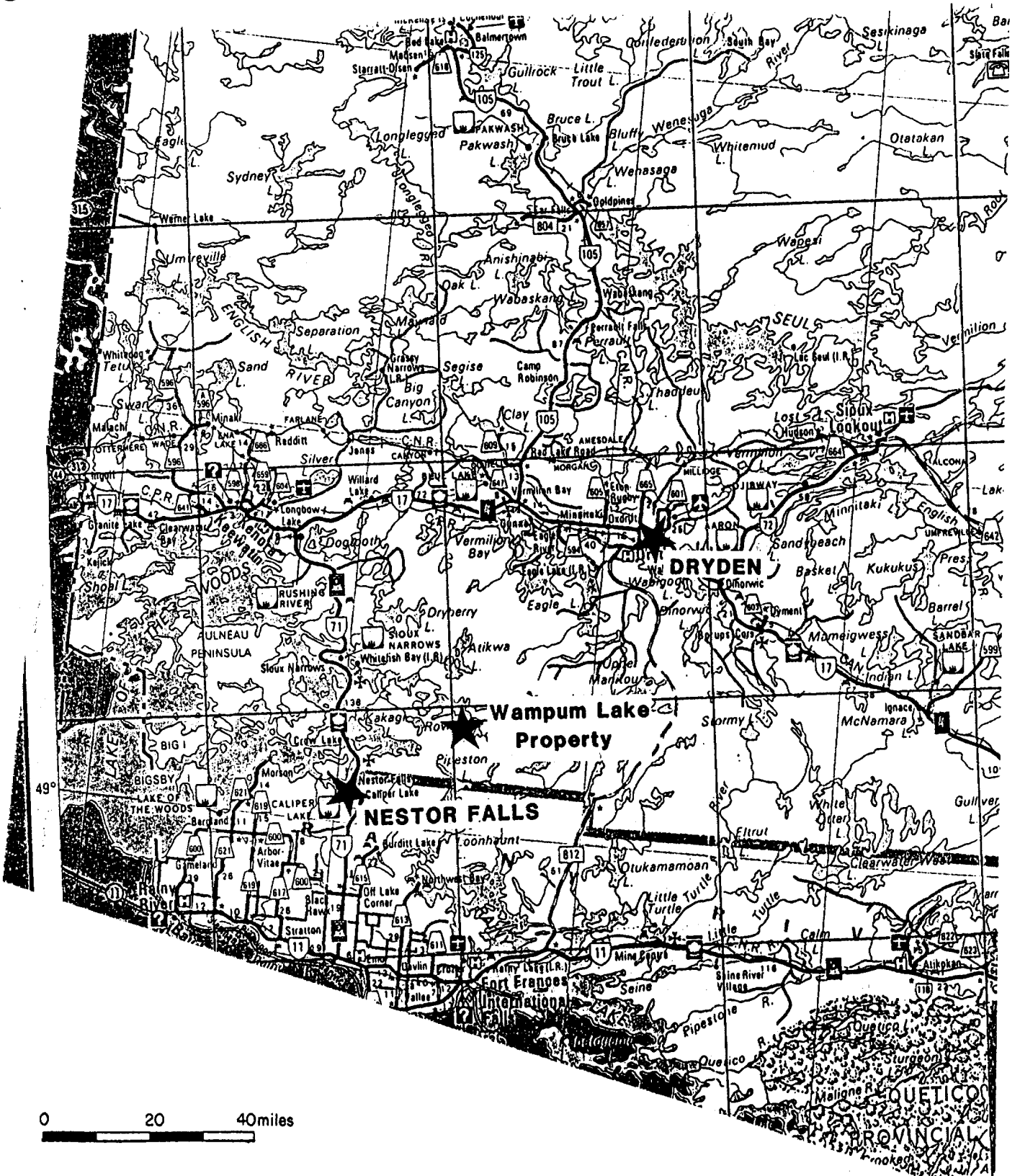
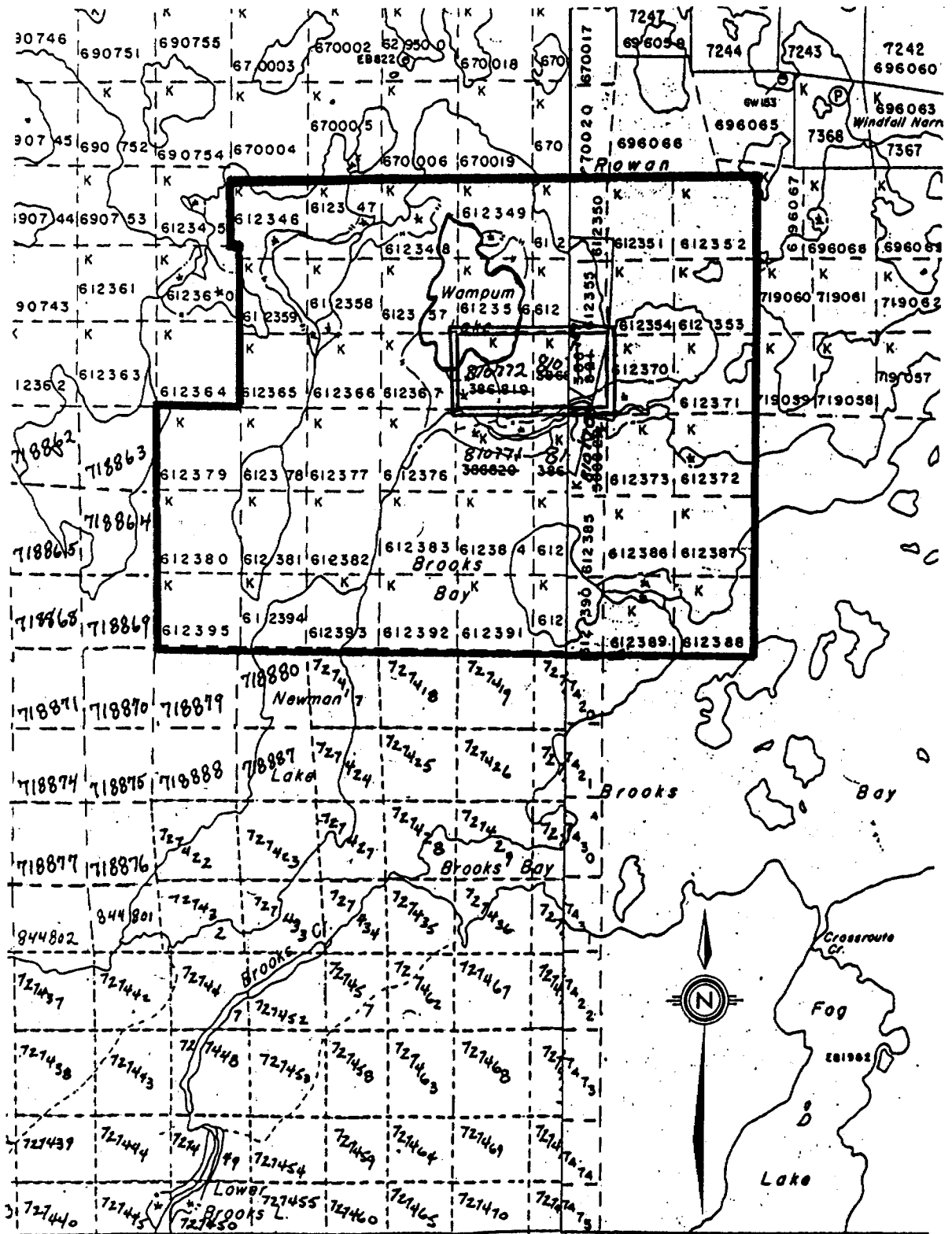


Figure 1
LOCATION MAP



Rowan Lake (M2580) and Lawrence Lake (G2681)

1" = 1/2 mile

Claim Sheets

Figure 2

Wampus Lake Property Outline

indicate that stratigraphic tops are to the north.

The Wampum gold occurrence, located near the southeast corner of Wampum Lake, comprises two zones. The South zone is 10-40 feet wide and has an exposed strike length of 300 feet. The North zone, situated approximately 1000 feet north of the South zone, is 10-15 feet wide and has an exposed strike length of 50 feet. Both zones consist of gold-pyrite mineralization hosted by shear zones trending 105° - 110° and dipping steeply to the north. The mineralization occurs in silicified and rusty carbonatized zones in sheared mafic metavolcanics cut by up to 30-60% quartz veinlets, stringers and stockworks. Both the quartz veins and pyritic wall rock contain varying amounts of gold.

5.0 PREVIOUS WORK

The Wampum gold occurrence was discovered in 1939. Between 1939 and 1942, the following work was carried out by Wampum Gold Mines Limited:

1) trenching and detailed sampling; 2) diamond drilling (34 holes totalling approximately 3,000 feet); 3) sinking of a 225 foot 3 compartment vertical shaft; and 4) limited drifting on the 100 foot level. Since then, the following work has been carried out over parts of the property:

1) magnetometer and electromagnetic surveys in 1968 and 1974 by Norlac Mines Limited and in 1981 by Sherritt Gordon Mines Limited; and 2) geological mapping and a limited induced polarization survey in 1984 by Laredo Petroleum Limited.

6.0 SAMPLING PROGRAM

The 1984 rock sampling program was carried out in two phases. Each of these are briefly described below.

6.1 Phase I

The first phase, carried out on July 29 and August 17, 1984,

involved the collection of 11 grab samples from the dump adjacent to the Wampum shaft and 10 samples from 2 of the old trenches near the shaft. Two grab samples were also collected from an outcrop located some 1700 feet northeast of the shaft. All of the samples were fire assayed for gold at X-Ray Assay Laboratories of 1885 Leslie Street, Don Mills, Ontario.

Listings of the samples and of the analytical results are provided in Appendix III. The locations of the Wampum shaft and of the outcrop from which two grab samples were obtained are shown in Figure 3. An outline of the dump and the locations of the two trenches which were sampled are shown on the 1"=20' scale map at the back of the report.

6.2 Phase II

The second phase, carried out on November 25 and 26, 1984, involved the sampling of 17 of the old trenches on the property. A total of 68 rock samples were collected and fire assayed for gold. Of these, 66 were analyzed by X-Ray Assay Laboratories and 2 were analyzed at Warnock Hersey Professional Services of 1154 Sanford Street, Winnipeg, Manitoba.

Listing of the samples and of the analytical results are provided in Appendix IV. Sample locations are shown on the 1"=10' scale maps at the back of the report.

7.0 DISCUSSION

Interesting gold values were returned from many of the rock samples collected during the 1984 program. This is particularly true of samples from the Wampum South zone, where almost half of the samples in trenches #1 to #8 contained more than 0.01 oz/ton Au over the 3 foot sampling width and several contained greater than 0.10 oz/ton over 3 feet.

The early work by Wampum Gold Mines Limited has indicated that the shear zone which hosts the Wampum South zone is auriferous at depth.

Several drill holes returned significant results to a depth of 100 feet, and a cross-cut on the 100 foot level supposedly intersected a vein structure which assayed 0.20 oz/ton Au over 22 feet. It is recommended that a limited program of diamond drilling be carried out to substantiate the old drill results and to test the shear zone down dip and along strike.

Respectfully submitted.....

Richard Kenny
R.L. Kenny

STATEMENT OF QUALIFICATIONS

I, RICHARD LOUIS KENNY, of the City of Winnipeg, Province of Manitoba,

DO SOLEMNLY DECLARE THAT:

1. I have obtained a B.Sc. in Geological Engineering (1975) and Master's degree in Natural Resource Management (1981) from the University of Manitoba, Winnipeg, Manitoba, and have practised my profession since graduation in 1975, a period of eight years; and
2. I am responsible for the writing of this report.

Dated at Winnipeg this 12th day of August, 1985.

WITNESS:

Richard Kenny

R.L. Kenny
Falconbridge Limited
Winnipeg, Manitoba

WAMPUM LAKE PROPERTY

ASSESSMENT WORK DETAILS
AND
TECHNICAL DATA STATEMENT

ANALYTICAL COSTS (Rock Samples)

X-RAY ASSAY LABORATORIES LIMITED

Invoice # 22083	11 samples assayed for Au using a 1 assay ton 11 x \$14.00 = \$154.00
Invoice # 22307	12 samples assayed for Au using a 1 assay ton 12 x \$14.00 = \$168.00
Invoice # 23240	66 samples assayed for Au using a 1 assay ton 66 x \$13.75 = \$907.50

WARNOCK HERSEY PROFESSIONAL SERVICES LIMITED

Invoice # 710-70787	2 samples assayed for Au using a 1 assay ton 2 x \$14.50 = \$29.00
---------------------	---

Total analytical costs = \$1,258.50

Total assessment days credit: $\$1,258.50 \div 15 = 83.9$ days

MAN DAYSASSESSMENT WORK BREAKDOWN1. Field Work

Type of Work	Name and Address	Dates Worked	Number of 8 hour days
Sample Collection	Chris Richardson 7 Old Coach Road St. Catherines, Ontario L2N 2P2	July 29/84	1
		August 17/84	1
Sample Collection	Dan Bosowec 718 Ross Avenue Winnipeg, Manitoba R3E 1C6	November 25-26, 1984	2
Sample Collection	Bruce Miller Box 236 Little Current, Ontario POP 1K0	November 25-26, 1984	2
Total			6 days

2. Report Preparation

Type of Work	Name and Address	Dates Worked	Number of 8 hour days
Typing	Liliane Berard 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2	August 8, 1985	0.5
Draughting	Vicki Harp 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2	August 1/85	1
		August 8/85	0.5
Report Writing	Richard Kenny 100-3074 Portage Avenue Winnipeg, Manitoba R3K 0Y2	August 6-7, 1985	2
Total			4 days

TOTAL MAN DAYS: 10 technical days

XRAL

X-RAY ASSAY LABORATORIES

page 15

LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO:

VICE TO:

FALCONBRIDGE LIMITED
ATTN: R. B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

MITTED TO:

FALCONBRIDGE LIMITED
ATTN: R. B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

22083	27-AUG-84	17704	9-AUG-84
-------	-----------	-------	----------

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

CLIENT PROJECT NO.	509	TYPE OF SAMPLE SUBMITTED	ROCK
--------------------	-----	--------------------------	------

PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
1 BOX	COURIER		

QTY	DESCRIPTION	UNIT PRICE	TOTAL
3	CU, ZN	3.25	9.75
11	AU, 1 ASSAY TON	11.25	123.75
3	WHOLE ROCK	22.00	66.00
14	ROCK, CRUSH & MILL	2.75	38.50
SUB-TOTAL			\$ 238.00

X-RAY ASSAY LABORATORIES LTD.

*Paid in full
Accounts Receivable Dept*

\$ 238.00

XRAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755
COPY TO:

INVOICE TO:

FALCONBRIDGE LIMITED
ATTN. R. B. BANO
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3X 0Y2

GAME

SUBMITTED TO:

FALCONBRIDGE LIMITED
ATTN. R. B. BANO
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3X 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
22307	14-SEP-84	17922	24-AUG-84

TERMS NET 30 DAYS
1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

NO. OF BILES	DESCRIPTION METHOD	TYPE OF SAMPLE SUBMITTED	UNIT COST	AMOUNT
2 BILES	SMALL FRY	ROCK		
		ROCK		
		14804		
QUANTITY	DESCRIPTION METHOD	UNIT CODE	UNIT COST	AMOUNT
1 16	AU, PPB	2.10. 7. 0. 0. 0	7.00	112.00 ✓
2 24	ALL 1 ASSAY TON	50.10. 7. 0. 0. 0	11.25	270.00 ✓
3 40	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99. 1. 0. 0. 0. 0	2.75	110.00 ✓
			SUB-TOTAL	\$ 492.00
				39.05
				39.05
TOTAL				531.05

X-RAY ASSAY LABORATORIES LTD.
Paid in full
Accounts Receivable Dept. [Signature]

[Signature]

[Signature]

ORK

X-RAY

X-RAY ASSAY LABORATORIES page 17 LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO:

INVOICE TO:

FALCONBRIDGE LIMITED
ATTN: R. B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

SUBMITTED TO:

FALCONBRIDGE LIMITED
ATTN: R. B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
23240	11-DEC-84	18895	29-NOV-84
TERMS			
TERMS NET 30 DAYS 1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS			

CLIENTS P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
	MANIPUL LAK	ROCK

NO OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
4 BAGS	SMALL FRY	20746	

QUANTITY	DESCRIPTION METHOD	X-RAY CODE	UNIT COST	AMOUNT
1. 66	AU. 1 ASSAY TON	50, 10, 7, 0, 0, 0	11.00	✓ 726.00
2. 66	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	✓ 181.50
SUB-TOTAL				\$ 907.50

X-RAY ASSAY LABORATORIES LTD.
Paid in full
Accounts Receivable Dept. Inv.

Shipping Charges	103.20	Custom Brokerage		Telex		Minimum Charges		
							Surcharge - Rush Service	\$ 103.20
TOTAL							\$ 1010.70	

FALCONBRIDGE LIMITED

VENDOR NAME	INVOICE NUMBER OR DATE	CURRENCY	1. CAN	2. U.S.
X-RAY ASSAY LTD	23240		1	

HEAD OFFICE
SIEGE SOCIAL ... 128 Elmslie, LaSalle, Qué. H8R 1V8 — Tel. (514) 366-3100

1154 Sanford Street
WINNIPEG, Manitoba R3E 2Z9

SUING OFFICE ADDRESS:
DRESSE DU BUREAU D'ÉMISSION:

DATE December 11, 1984	CLIENT NO.	OUR ORDER NO. - NOTRE NO. DE COMM. D 14174 - 14175	CODE 710-09	CLIENT'S ORDER NO. - NO. COMMANDE DU CLIENT
---------------------------	------------	---	----------------	---

INVOICED TO/FACTURÉ À

REPORTED TO/RAPPORT TRANSMIS À

Falconbridge Limited
100-3074 Portage Avenue
WINNIPEG, Manitoba
R3K 0Y2

SAME

REPORT DATE DATE DU RAPPORT	REPORT NO. NO. DU RAPPORT
--------------------------------	------------------------------

2 (1 A.T.) Au. dets. @ \$12.50
2 sample preparations @ \$2.00

\$25.00 ✓
4.00 ✓

TOTAL \$29.00

LES SERVICES PROFESSIONNELS
WARNOCK HERSEY LITE

PAID
10 JUN 1985
(MERCII)

EXPENSE	DETAIL	PROJECT	AMOUNT	Part:
30105	608	516	29.00	
APPROVED	CODED	EST. DATES	CHECK NO.	
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	285	

REMIT PAYMENT TO: **WARNOCK HERSEY PROFESSIONAL SERVICES Ltd.**
FAIRE REMISE À: **LES SERVICES PROFESSIONNELS WARNOCK HERSEY Ltée**

PLEASE ATTACH COPY OF INVOICE TO YOUR REMITTANCE
VEUILLEZ INCLURE COPIE DE FACTURE AVEC VOTRE REMISE
128 Elmslie Street
LA SALLE, P.Q., H8R 1V8

INVOICE NO. / FACTURE NO.

DEPT. 710-70787



Ministry of Natural Resources

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geochemical
Township or Area Rowan Lake Area (NTS: 52 F/5)
Claim Holder(s) Falconbridge Limited
Box 40, Commerce Court West, Toronto,
Survey Company same Ontario
Author of Report Richard Kenny
Address of Author 100-3074 Portage Avenue, Winnipeg, Manitoba
Covering Dates of Survey July 29/85, Aug. 17/84, Nov. 25-26,
(linecutting to office) 1984
~~XXXXXXXXXXXXXXXXXX~~ Aug. 1/85 and Aug. 6-8/85

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)
K 810769
K 810772

**SPECIAL PROVISIONS
CREDITS REQUESTED**

ENTER 40 days (includes
line cutting) for first
survey.

ENTER 20 days for each
additional survey using
same grid.

DAYS
per claim
Geophysical _____
-Electromagnetic _____
-Magnetometer _____
-Radiometric _____
-Other _____
Geological _____
Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: August 8/85 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 2

If space insufficient, attach list

MINING CLAIMS STATEMENT

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____
 Station interval _____ Line spacing _____
 Profile scale _____
 Contour interval _____

MAGNETIC

Instrument _____
 Accuracy - Scale constant _____
 Diurnal correction method _____
 Base Station check-in interval (hours) _____
 Base Station location and value _____

ELECTROMAGNETIC

Instrument _____
 Coil configuration _____
 Coil separation _____
 Accuracy _____
 Method: Fixed transmitter Shoot back In line Parallel line
 Frequency _____
 (specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____
 Scale constant _____
 Corrections made _____
 Base station value and location _____
 Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument _____
 Method Time Domain Frequency Domain
 Parameters - On time _____ Frequency _____
 - Off time _____ Range _____
 - Delay time _____
 - Integration time _____
 Power _____
 Electrode array _____
 Electrode spacing _____
 Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken K810769 and K810772

Total Number of Samples 91

Type of Sample Rock (chip and grab samples)
(Nature of Material)

Average Sample Weight 2 pounds

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others oz/ton and gms/metric ton

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory X-Ray Assay Laboratories
Warnock Hersey Prof Service

Extraction Method _____

Analytical Method fire assaying for gold

Reagents Used _____

General _____

WAMPUM LAKE PROPERTY

<u>Claim Number</u>	<u>Recording Date</u>
K612346	January 6, 1983
K612347	January 6, 1983
K612348	January 6, 1983
K612349	January 6, 1983
K612350	January 6, 1983
K612351	January 6, 1983
K612352	January 6, 1983
K612353	January 6, 1983
K612354	January 6, 1983
K612355	January 6, 1983
K612356	January 6, 1983
K612357	January 6, 1983
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K612390	January 6, 1983
K612391	January 6, 1983
K612392	January 6, 1983
K612393	January 6, 1983
K612394	January 6, 1983
K612395	January 6, 1983
K810769	July 25, 1984
K810770	July 25, 1984
K810771	July 25, 1984
K810772	July 25, 1984

ROCK SAMPLES COLLECTED
on
July 29 and August 17, 1984

X-RAY ASSAY LABORATORIES LIMITED

NTS.

Wampum

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
8-AUG-84

REPORT: 22083

REF. FILE 17704-R3

14 ROCKS PROJ. WAMPUM ROCKS

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU OZ/TON	FA	0.001
WRMAJ %	WR	0.010
CU PPM	DCP	0.500
ZN PPM	DCP	0.500
WRMIN PPM	WR	10.000

DATE 27-AUG-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY *SAB*

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

CUSTOMER NO. 228

DATE SUBMITTED
24-AUG-84

REPORT 22307

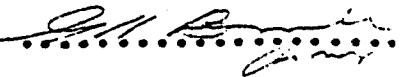
REF. FILE 17922-81

40 ROCKS PROJ. ROWAN LAKE ROC

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU PPB	FADCP	2.000
AU OZ/TON	FA	0.001

DATE 14-SEP-84

X-RAY ASSAY LABORATORIES LIMITED
CERTIFIED BY 

SAMPLE	AU PPB	AU OZ/TON
REC-R-11874	--	NIL
REC-R-11875	--	0.002
REC-R-11880	--	NIL
REC-R-11881	--	0.031
REC-R-11882	--	0.056
REC-R-11883	--	0.006
REC-R-11884	--	0.002
REC-R-11885	--	0.004
REC-R-11886	--	0.020
REC-R-11887	--	0.040
REC-R-11888	--	0.024
REC-R-11889	--	0.034
REC-R-11946		TRACE
REC-R-11947		0.003
REC-R-11948		TRACE
REC-R-11949		NIL
REC-R-11950		NIL
REC-R-11951		0.090
REC-R-11952		0.007
REC-R-11953		TRACE
REC-R-11954		0.073
REC-R-11955		0.180
REC-R-11957		0.020

XRAL
REPORT # 22307

XRAL
REPORT # 22083

ANALYTICAL METHOD : FIRE ASSAY

DETECTION LIMIT : 0.001 oz/ton

ROCK SAMPLES COLLECTED

November 25-26, 1984

X-RAY ASSAY LABORATORIES LIMITED
1885 LESLIE STREET, DON MILLS, ONTARIO
PHONE 416-445-5755

M3B 3J4

TELEX 06-986947

page 29

CERTIFICATE OF ANALYSIS

TO: FALCONBRIDGE LIMITED
ATTN: R.B. BAND
3074 PORTAGE AVENUE, SUITE 100
WINNIPEG, MANITOBA
R3K 0Y2

Sealage

CUSTOMER NO. 228

DATE SUBMITTED
29-NOV-84

REPORT 2324C

REF. FILE 18895-H3

66 ROCKS PROJ. WAMPUM LAKE
WERE ANALYSED AS FOLLOWS:

AU G/MT	METHOD	DETECTION LIMIT
	FA	0.030

DATE 11-DEC-84

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY

[Signature]

SAMPLE	AU G/MT
WAM-T-R2701	NIL
WAM-T-R2702	0.12
WAM-T-R2703	3.11
WAM-T-R2704	0.04
WAM-T-R2705	NIL
WAM-T-R2706	5.25
WAM-T-R2707	2.36
WAM-T-R2708	2.87
WAM-T-R2709	0.58
WAM-T-R2710	0.03
WAM-T-R2711	0.26
WAM-T-R2712	2.17
WAM-T-R2713	0.47
WAM-T-R2714	1.71
WAM-T-R2715	6.98
WAM-T-R2716	0.13
WAM-T-R2717	0.24
WAM-T-R2718	1.05
WAM-T-R2719	0.04
WAM-T-R2720	1.43
WAM-T-R2721	2.28
WAM-T-R2722	0.95
WAM-T-R2723	0.34
WAM-T-R2724	1.03
WAM-T-R2725	0.18
WAM-T-R2726	NIL
WAM-T-R2727	0.16
WAM-T-R2728	0.12
WAM-T-R2729	0.18
WAM-T-R2730	0.07
WAM-T-R2731	0.20
WAM-T-R2732	0.61
WAM-T-R2733	TRACE
WAM-T-R2734	NIL
WAM-T-R2735	0.07
WAM-T-R2736	1.47
WAM-T-R2737	0.11
WAM-T-R2738	0.40
WAM-T-R2739	0.05
WAM-T-R2740	0.11
WAM-T-R2741	0.18
WAM-T-R2742	0.21
WAM-T-R2743	5.65
WAM-T-R2744	1.23
WAM-T-R2745	0.19
WAM-T-R2746	0.07
WAM-T-R2747	TRACE
WAM-T-R2748	TRACE
WAM-T-R2749	0.23
WAM-T-R2750	0.07

AU G/MT - 1 ASSAY TON SAMPLE WEIGHT

SAMPLE	AU G/MT
WAM-T-R2751	0.10
WAM-T-R2752	0.05
WAM-T-R2753	1.00
WAM-T-R2754	0.14
WAM-T-R2755	0.03
WAM-T-R2756	2.30
WAM-T-R2757	0.13
WAM-T-R2758	0.05
WAM-T-R2759	0.31
WAM-T-R2760	NIL
WAM-T-R2761	0.08
WAM-T-R2762	0.11
WAM-T-R2763	2.95
WAM-T-R2764	4.56
WAM-T-R2765	5.65
WAM-T-R2766	2.46

AU G/MT - 1 ASSAY TON SAMPLE WEIGHT



Warnock Hersey Professional Services Ltd.
1154 Sanford Street Winnipeg Manitoba R3E 2Z9 (204)786-7546 Telex 07-57254

Handwritten signature

Wampum

WINNIPEG December 11, 1984

ASSAY OF 2 SAMPLES ~~ORE~~ ROCK
Falconbridge Limited

RECEIVED December 4, 1984 FROM 100-3074 Portage Ave. WINNIPEG, Manitoba R3K 0Y2

LABORATORY NUMBERS	MARKS ON SAMPLES	GOLD	SILVER	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
		OUNCES PER TON OF 2000 LBS. I.A.T.	OUNCES PER TON OF 2000 LBS.					
D 14174	WAM-GRAB-R2767	.23						
14175	WAM-GRAB-R2768	.02						

THE FOLLOWING CURRENT QUOTATIONS:
THE VALUES WHERE GIVEN ARE BASED ON

Gold at per oz.
Silver at per oz.

Warnock Hersey Professional Services Ltd.
Per *[Signature]*



52F05SE0055 2.8359 ROWAN LAKE

900

Type of Survey(s) Analyses of Rock Samples		Township or Area NTS 52 F/5	
Claim Holder(s) Falconbridge Limited		Prospector's Licence No. A-21647	
Address Box 40, Commerce Court West, Toronto, Ontario M5L 1B4			
Survey Company		Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr.	
Name and Address of Author (of Geo-Technical report) Richard Kenny, 100-3074 Portage Avenue, Winnipeg, Manitoba			

Credits Requested per Each Claim in Columns at right	Mining Claims Traversed (List in numerical sequence)							
<p>Special Provisions</p> <p>For first survey: Enter 40 days. (This includes line cutting)</p> <p>For each additional survey: using the same grid: Enter 20 days (for each)</p>	Geophysical	Days per Claim	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
	- Electromagnetic		K	810769	20.9			
	- Magnetometer			810770	21			
	- Radiometric			810771	21			
- Other			810772	21				
Geological								
Geochemical								
<p>Man Days</p> <p>Complete reverse side and enter total(s) here</p>	Geophysical	Days per Claim						
	- Electromagnetic							
	- Magnetometer							
	- Radiometric							
- Other								
Geological								
Geochemical								
<p>Airborne Credits</p> <p>Note: Special provisions credits do not apply to Airborne Surveys.</p>	Electromagnetic	Days per Claim						
	Magnetometer							
	Radiometric							

RECEIVED

JUL 04 1985

MINING LANDS SECTION

KENORA MINING DIV.

RECEIVED

JUN 26 1985

7:10, 11, 12, 12:30, 4:50 PM

Expenditures (excludes power stripping)

Type of Work Performed
Analyses of rock samples

Performed on Claim(s)
K810772 and K810769

(Section 77 (19))

Calculation of Expenditure Days Credits

Total Expenditures Total Days Credits

\$ 1,258.50 ÷ 15 = 83.9

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 **June 24 1985** Recorded Holder or Agent (Signature) **Richard Kenny**

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Record
83.9	June 26/85	<i>[Signature]</i>
	1985. 9. 20	<i>[Signature]</i>

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 Kenny, 100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2

Date Certified **June 24 1985** Certified by (Signature) **Richard Kenny**



Ministry of
Natural
Resources

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

RP 28359

Instructions: - Please type or print. #143-85
- 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.

Aug 29th

Mining Act

Type of Survey(s) Geochemical	Township or Area NTS 52F/5
Claim Holder(s) Falconbridge Limited	Rowan Lake Area M.2580
Address Box 40, Commerce Court West, Toronto, Ontario M5L 1B4	Prospector's Licence No. A-21647
Survey Company	Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr.
Name and Address of Author (of Geo-Technical report) Richard Kenny, 100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2	

Credits Requested per Each Claim in Columns at right Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
For each additional survey: using the same grid. Enter 20 days (for each)	Geochemical	
	Geophysical	
	- Electromagnetic	
Man Days Complete reverse side and enter total(s) here	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geochemical	35
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	810772				
	810769				

RECEIVED
JUL 22 1985
MINING LANDS SECTION

KENORA
MINING DIV.
RECEIVED
JUL 10 1985
AM 7:8 9:10:11:12:1:2:3:4:5:6 PM

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ =

Total Days Credits

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.

810769 Total number of mining claims covered by this report of work: **2**

Date: **July 8/85** Recorded Holder or Agent (Signature): *Richard Kenny*

For Office Use Only			
Total Days Cr. Recorded	Date Recorded	Mining Recorder	Branch Director
70	July 10/85	<i>[Signature]</i>	
	85.9.20		

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 Kenny, 100-3074 Portage Avenue, Winnipeg, Manitoba**

Date Certified: **July 8/85** Certified by (Signature): *Richard Kenny*

Mining Lands Section

File No 28359

Control Sheet

TYPE OF SURVEY GEOPHYSICAL
 GEOLOGICAL
 GEOCHEMICAL
 EXPENDITURE

MINING LANDS COMMENTS:

_____ *< Rowan Lk. >* _____

L. J. D.
h.s.

Dennis K.
Signature of Assessor

Sept 20/85
Date



FALCONBRIDGE NICKEL MINES LIMITED

Suite 100 - 3074 Portage Ave.
Winnipeg, Manitoba, R3K 0Y2
Telex 07-57251 Telephone 204/888-9860

September 10, 1985

Mr. D. Kinvig
Ministry of Natural Resources
Land Management Branch
Room 6643, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Mr. Kinvig:

Re: Geochemical Survey and Assay Data on Mining Claims K810769 and K810772
in the Area of Rowan Lake - File 2.8359

Enclosed are the geochemical sample plans and the index plan for the above survey completed on some of our company's claims in the Rowan Lake area. As per your request dated August 29, 1985, the location of the trenches has been plotted on the index plan in relation to the claim posts and lines. I trust that upon receipt of these maps, the assessment of the survey may be completed and a statement of approved credits will be issued in due course.

Yours truly,

FALCONBRIDGE LIMITED

RECEIVED

SEP 18 1985

Richard Kenny

MINING LANDS SECTION

R.L. Kenny
Field Geologist

RLK/1b

cc: R.H. Tays

August 29, 1985

File: 2.8359

Falconbridge Nickel Mines Limited
Suite 100
3074 Portage Avenue
Winnipeg, Manitoba
R3K 0Y2

Attention: Mr. R.L. Kenny

Dear Sirs:

RE: Geochemical Survey and Data for Assaying on Mining Claims
K 810769 and 810772 in the Area of Rowan Lake.

Enclosed are the geochemical sample plans and the index plan, in duplicate, for the above mentioned survey.

In order to complete your submission, the sample locations should be plotted in relation to the claim posts and lines.

Please indicate one of the following:

- 1) the claim line and posts, or the distance to the posts, on the geochemical plans, or
- 2) the trench and sample locations, and traverse lines, if any, on the index plan.

Upon receipt of this information the assessment of the survey may be completed and a statement of approved credits will be issued.

For further information please contact Mr. D. Kinvig at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

D. Kinvig:sc

cc: Mining Recorder
Kenora, Ont.
File #143-85

cc: Falconbridge Limited
P.O. Box 40
Commerce Court W
Toronto, Ontario
M5L 1B4

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	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
10				70				70		2		35

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

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

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

REGISTERED

August 15, 1985

Report of Work #134

Falconbridge Limited
Box 40
Commerce Court West
Toronto, Ontario
M5L 1B4

Dear Sirs:

RE: Mining Claims K 810769, et al,
in the Area of Rowan Lake

I have not received data (in duplicate) for the
Assaying on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the
Mining Recorder on June 26, 1985 the 60 day period
allowed by Section 77 of the Mining Act for the submission
of the technical reports and maps to this office will
expire on August 25, 1985.

If the material is not submitted to this office by August 25,
1985, I will have no alternative but to instruct the Mining
Recorder to delete the work credits from the claim record
sheets.

For further information, please contact Mr. Arthur Barr
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

A. Barr:mc

cc: Mining Recorder - Kenora, Ontario



FALCONBRIDGE NICKEL MINES LIMITED

Suite 100 - 3074 Portage Ave.
Winnipeg, Manitoba, R3K 0Y2
Telex 07-57251 Telephone 204/888-9860

August 12, 1985

Mr. S.E. Yundt
Ministry of Natural Resources
Land Management Branch
Room 6542, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Mr. Yundt:

Re: Reports of Work Filed June 24 and July 10, 1984

The above reports of work cover a rock sampling program which was carried out on some of our company's claims in the Rowan Lake area (NTS: 52 F 5; Rowan Lake M.2580 claim sheet). Enclosed, in duplicate, is a technical report containing:

- 1) a description of the program and the results obtained
- 2) maps showing location of the samples
- 3) copies of the sample results from each of the laboratories
- 4) signed receipts from each of the laboratories
- 5) a man days breakdown
- 6) a technical data statement
- 7) copies of the reports of work filed with the Mining Recorder's office in Kenora, Ontario.

We trust that upon receipt of this letter and enclosure, this request will meet with your favourable consideration and we will be advised accordingly in due course.

RECEIVED

.....2

AUG 15 1985

MINING LANDS SECTION

Mr. S.E. Yundt
August 12, 1985
page 2

Would you kindly acknowledge receipt of this application by dating, signing and returning the enclosed copy of this letter to Mr. R.H. Tays, Falconbridge Limited, Box 40, Commerce Court West, Toronto, Ontario M5L 1B4.

Yours truly,

FALCONBRIDGE LIMITED

Richard Kenny

R.L. Kenny
Field Geologist

RLK/1b

Enclosures

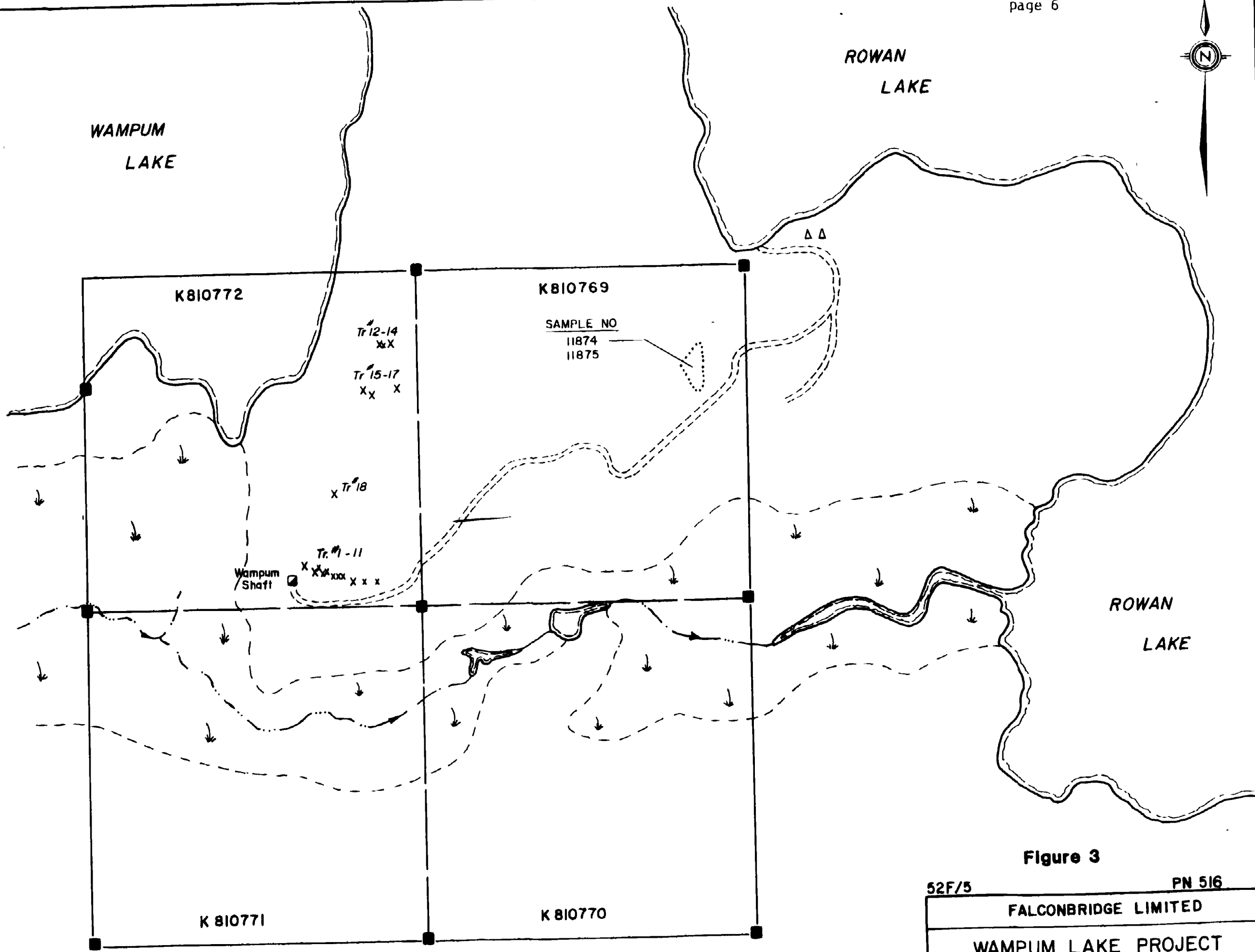
cc: R.H. Tays

To: Falconbridge Limited

We hereby acknowledge receipt of the above letter with enclosures.

Dated this _____ day of _____, 1985.

S.E. Yundt



- LEGEND -

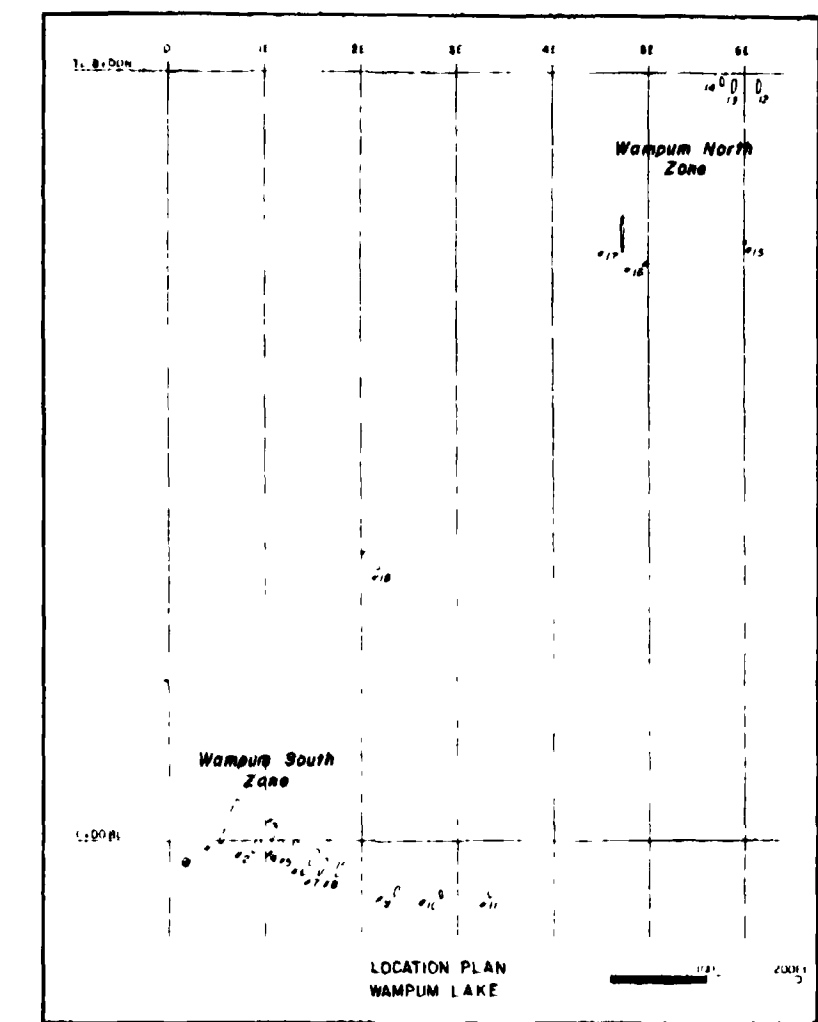
- Shaft
- Claim Post
- ↓ ↓ ↓ Swamp
- Stream
- △ Cabin
- - - Trail
- x Trench Location



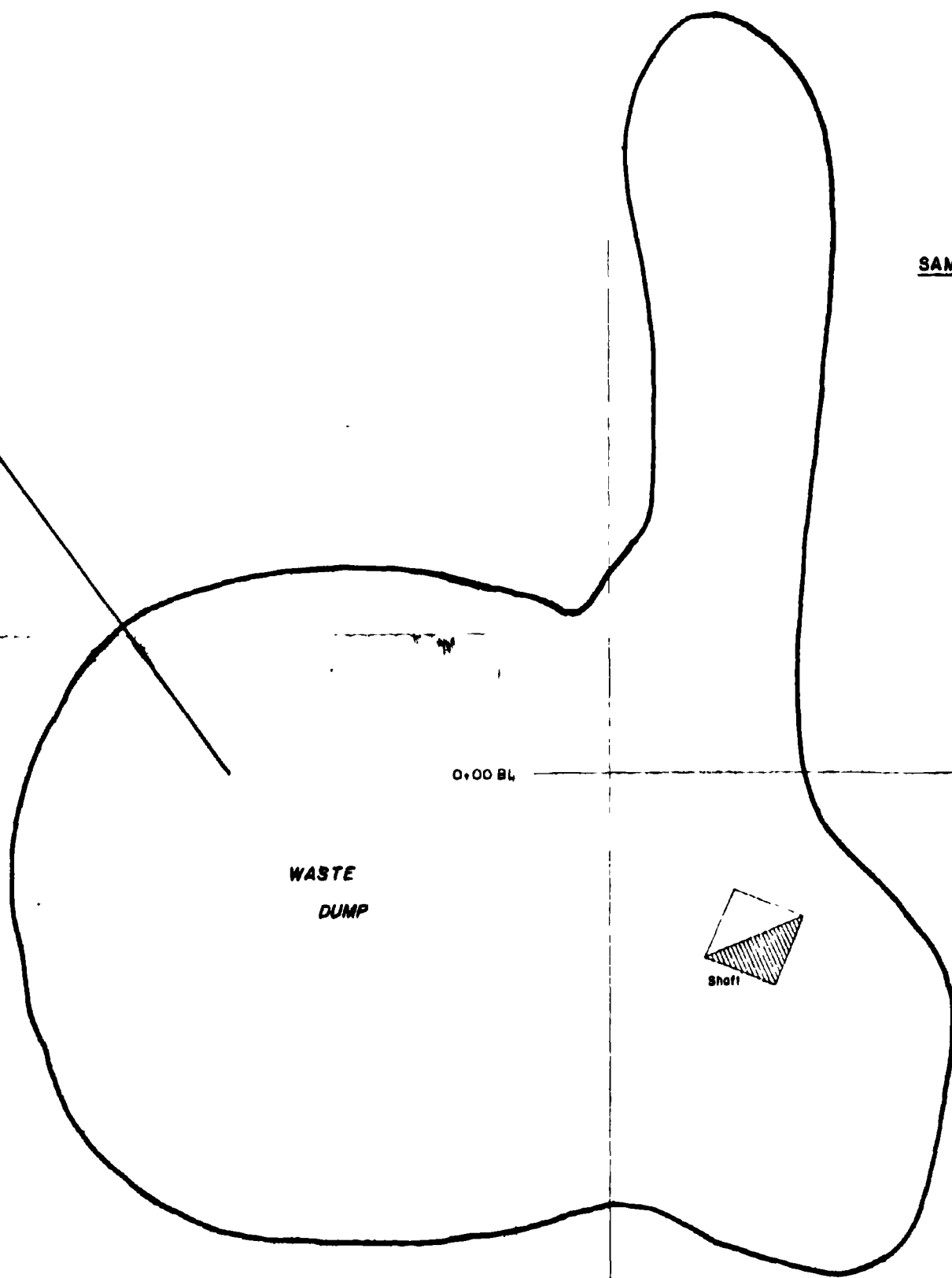
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Figure 3

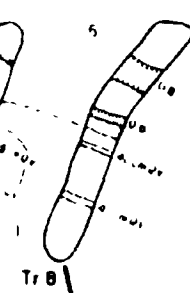
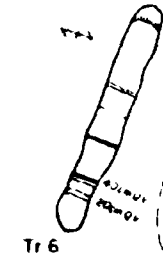
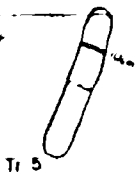
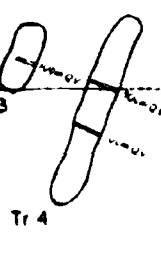
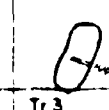
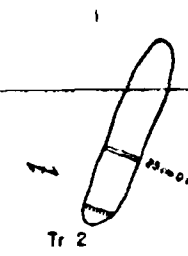
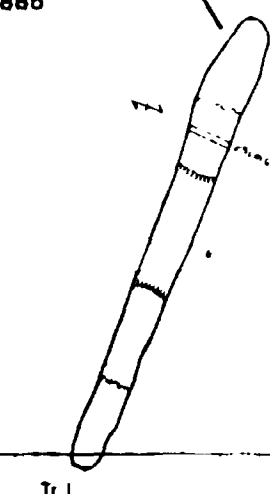
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FALCONBRIDGE LIMITED	
WAMPUM LAKE PROJECT	
FALCONBRIDGE CLAIMS	
SCALE 1" = 400'	DRAWN VCH
DATE July 30, 1985	DATA BY RLK



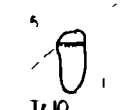
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11882
11883
11884
11885



SAMPLE NO.
11886
11887
11888
11889



- SYMBOLS -
- Tr. 10 Trench Number
 - OB Overburden
 - QV Quartz Vein
 - Geologic Contact
 - Foliation (Vertical)
 - Zone of Shearing

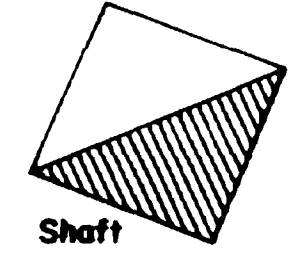
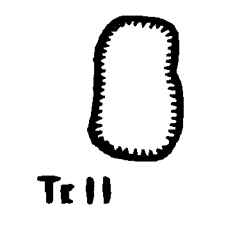
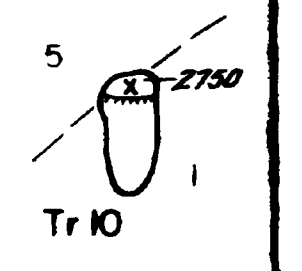
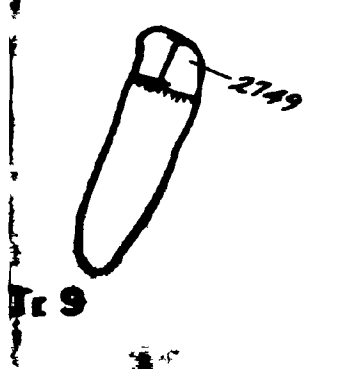
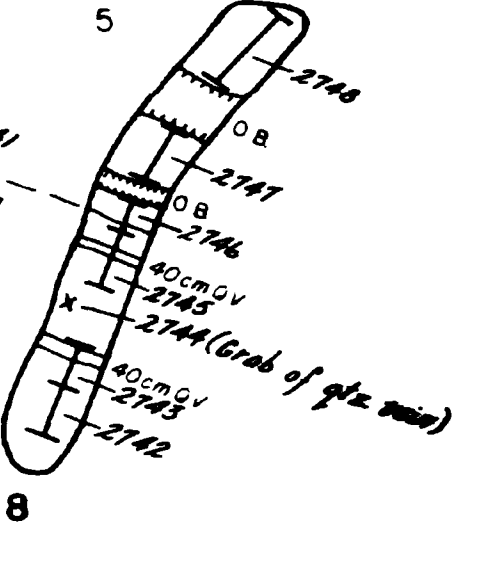
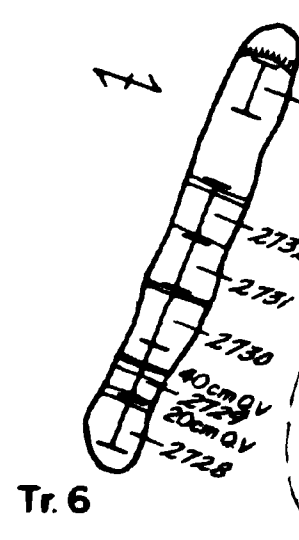
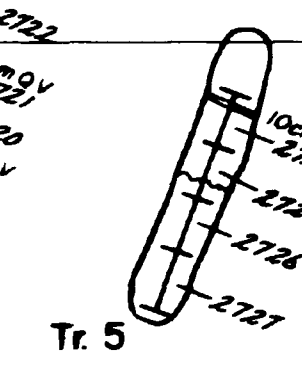
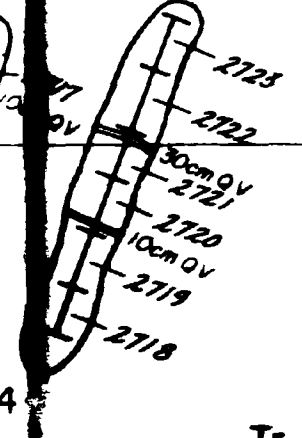
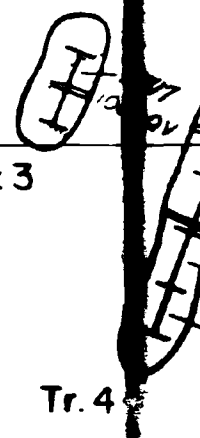
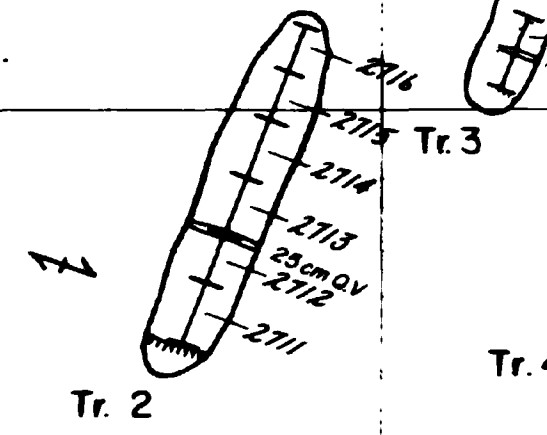
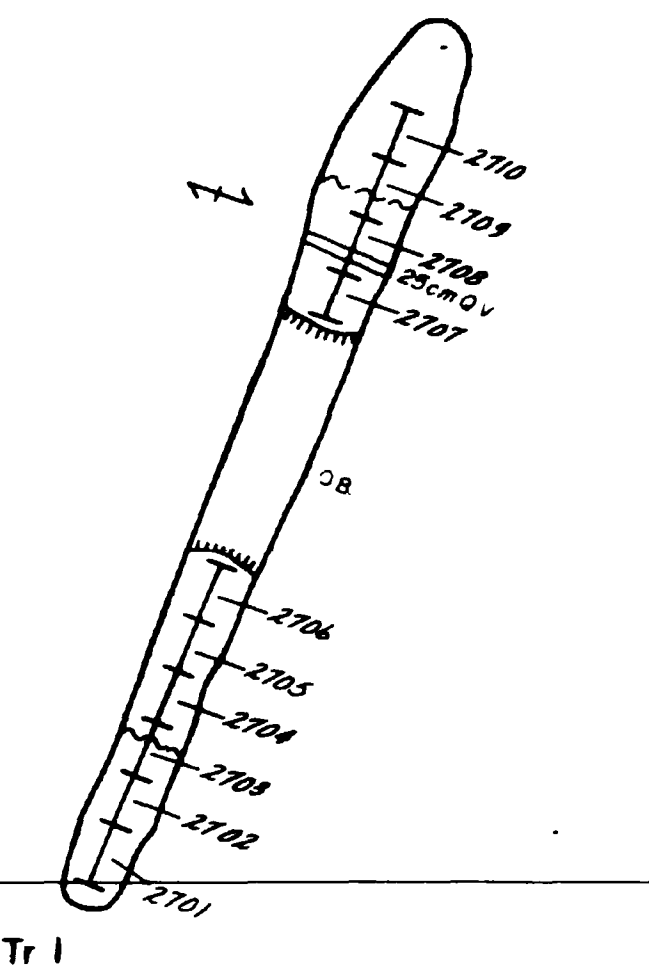
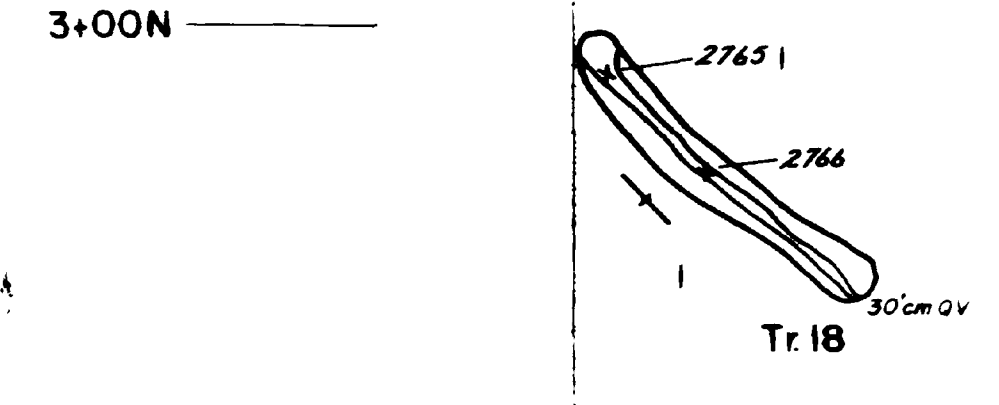
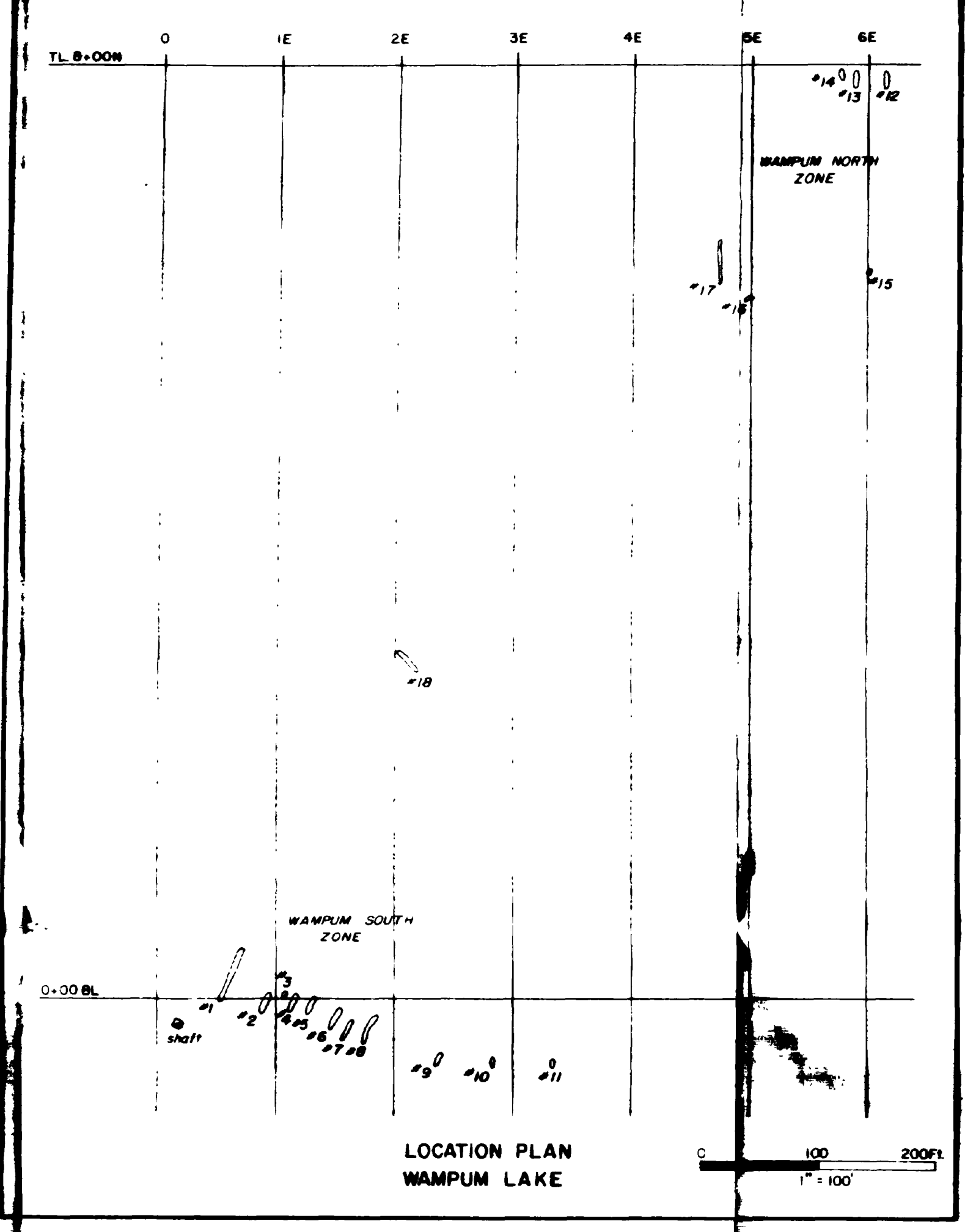
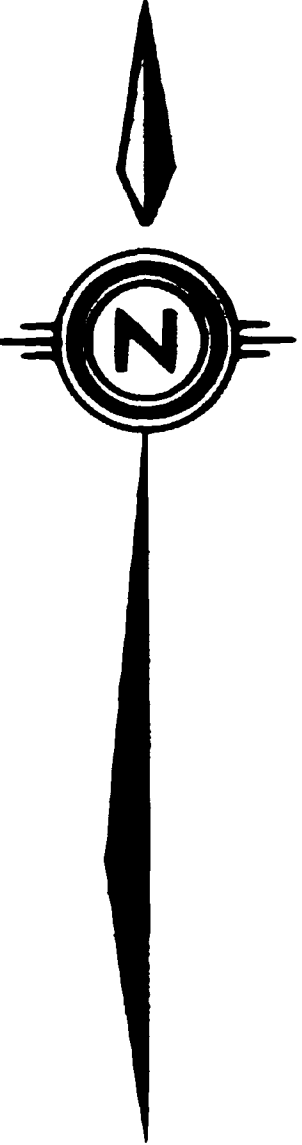
28353

Richard Kenny



210

FALCONBRIDGE LIMITED	
WAMPUM LAKE	
TRENCH PLAN	
DATE: JUNE 24 1985	DRAWN: VCK
SCALE: 5/8" = 1'	CHECK: GAN



- GEOLOGY LEGEND —
- 5 Felsic Intrusive Rocks
 - 6 Mafic Intrusive Rocks
 - 2 Intermediate Metavolcanic Rocks
 - 7 Mafic Metavolcanic Rocks

- SYMBOLS —
- Tr. 10 Trench Number
 - OB Overburden
 - QV Quartz Vein
 - Geologic Contact
 - Zone of Shearing
 - Foliation (vertical)

- 2750 Rock Sample Location Number
- Chip Sample
- x Grab Sample

28359

Richard King

SHEET 'A' P18 048

FALCONBRIDGE LIMITED

WAMPUM LAKE

TRENCH PLAN

ROCK SAMPLE LOCATION PLAN

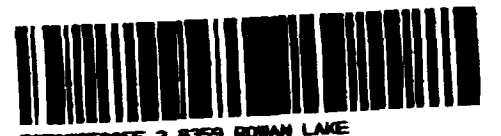
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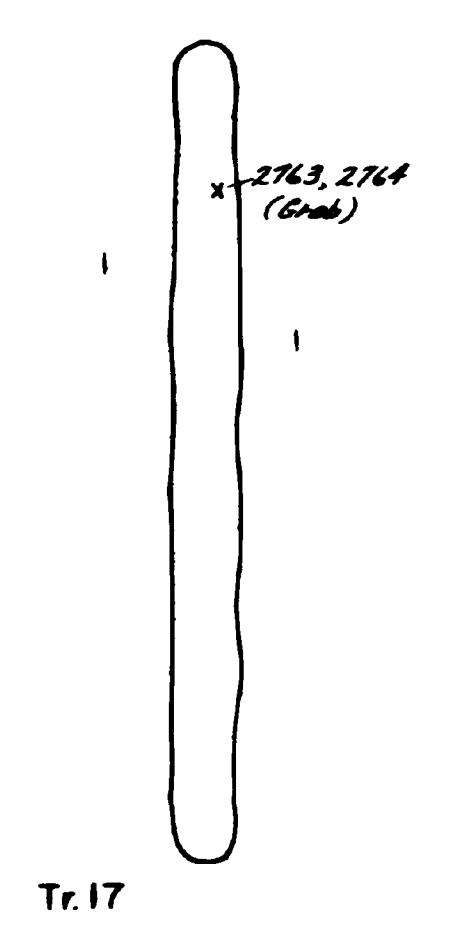
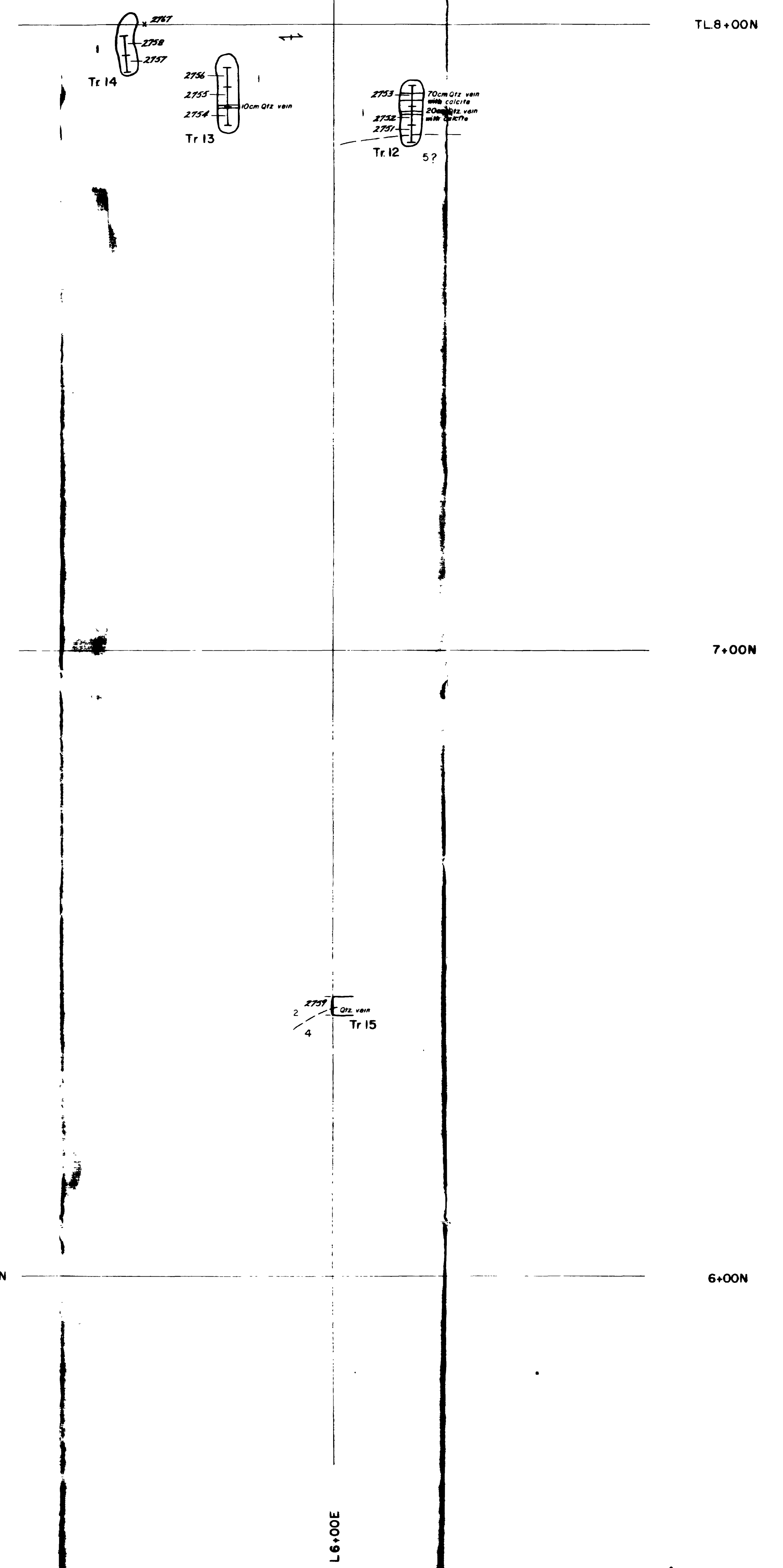
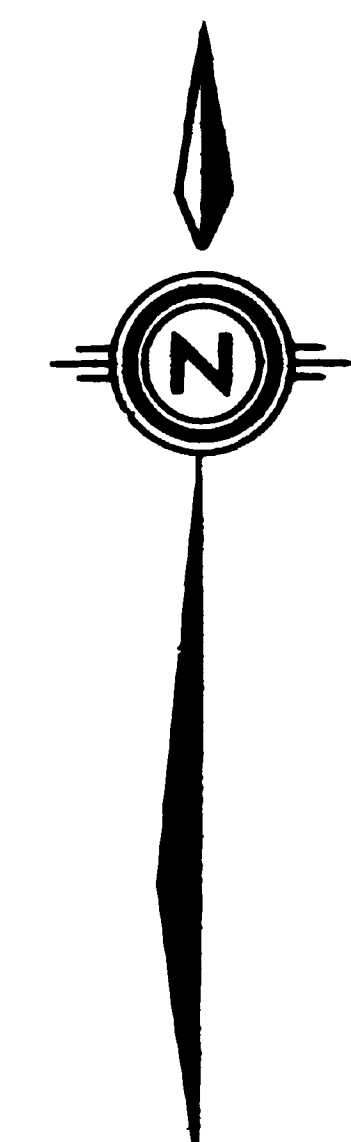
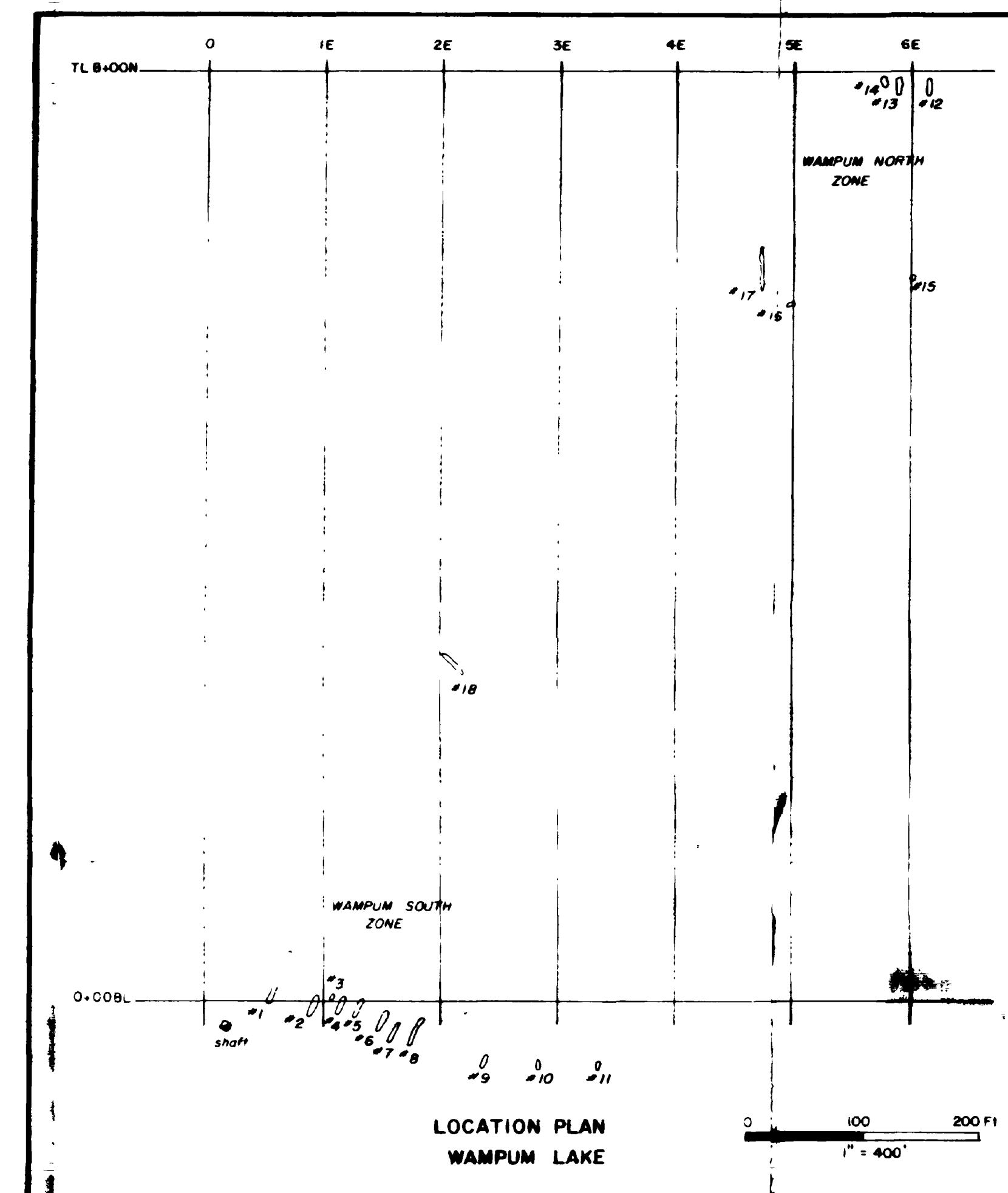
DATE: JUNE 24, 1980

BY: RKS/3

CHK: [Signature]

APP: [Signature]





- GEOLOGY LEGEND —
- 5 Felsic Intrusive Rocks
 - 4 Mafic Intrusive Rocks
 - 3 Intermediate Metavolcanic Rocks
 - 1 Mafic Metavolcanic Rocks

- SYMBOLS —
- Tr 10 Trench Number
 - OB Overburden
 - QV Quartz Vein
 - Geologic Contact
 - Zone of Shearing
 - Foliation (vertical)

28359

Richard Kenny

SHEET 'B' PB 285

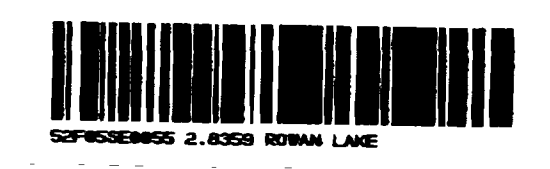
FALCONBRIDGE LIMITED

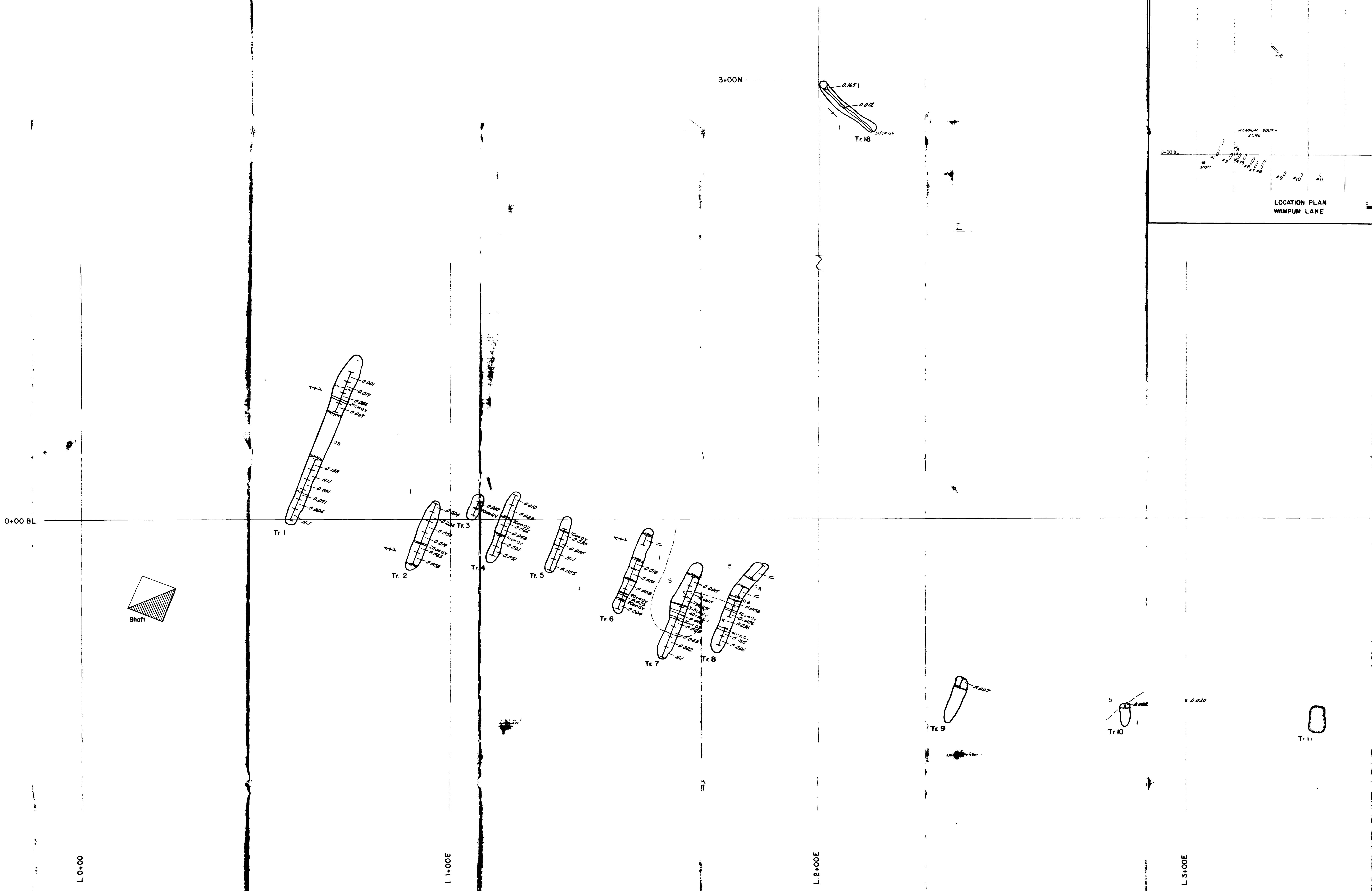
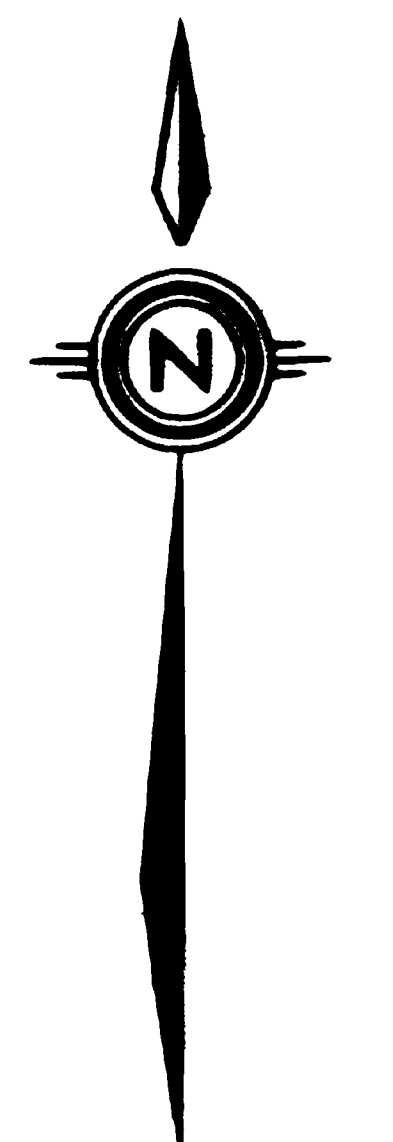
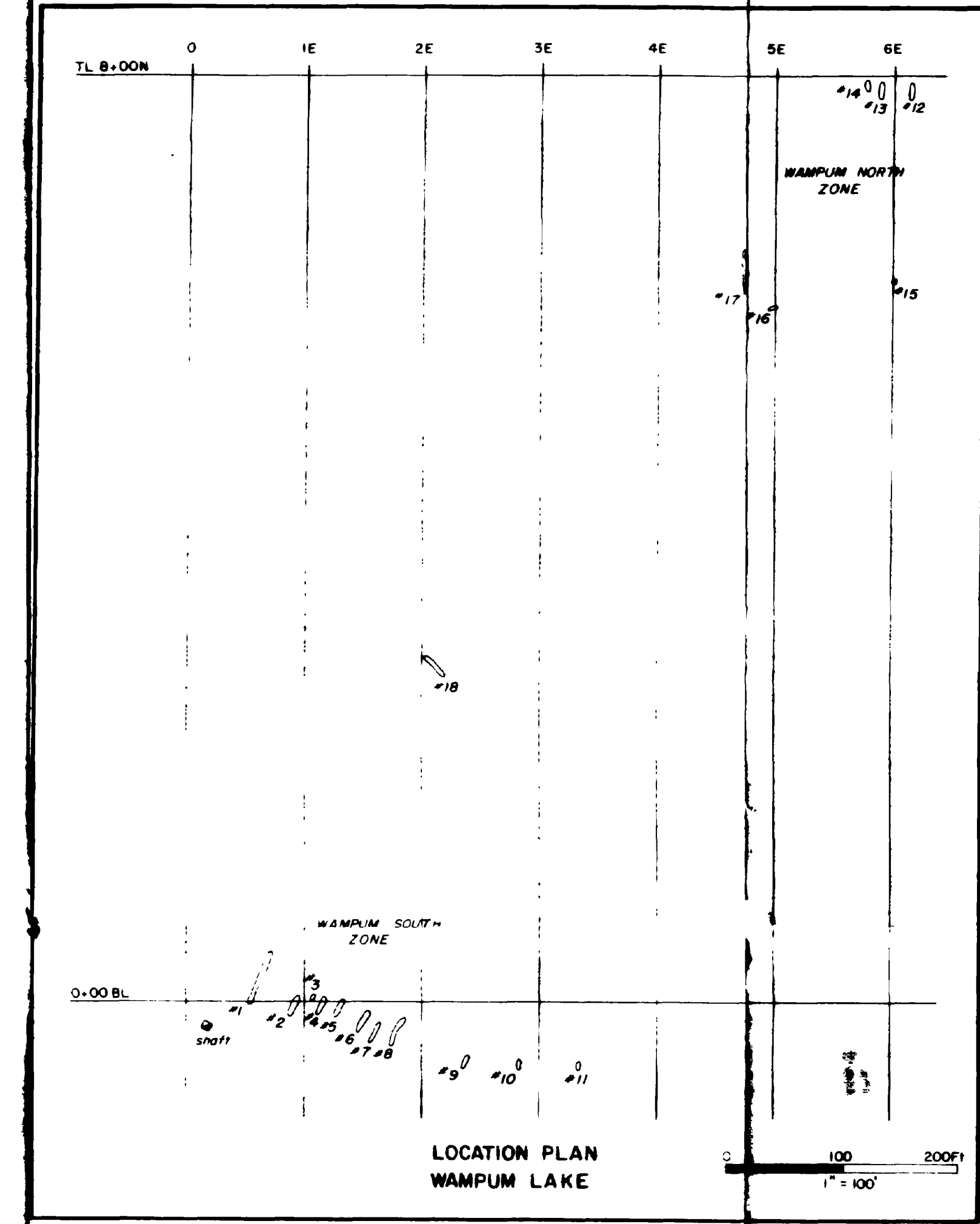
WAMPUM LAKE
TRENCH PLAN
ROCK SAMPLE LOCATION PLAN

10 0 10 20 30 FT

DATE: JUNE 24, 1985 DRAWN: VCI
BY: RKP SDF/S

- 2760 Rock Sample Location Number
- Chip Sample
- x Grab Sample





- GEOLOGY LEGEND —
- 3 Felsic Intrusive Rocks
 - 4 Mafic Intrusive Rocks
 - 2 Intermediate Metavolcanic Rocks
 - 1 Mafic Metavolcanic Rocks

- SYMBOLS —
- Tr. 10 Trench Number
 - OB Overburden
 - GV Quartz Vein
 - Geologic Contact
 - Zone of Shearing
 - Foliation (vertical)

0.00P Rock Sample Au Value (oz/ton)
 — Chip Sample
 x Grab Sample

7-8839

Richard Henry

SHEET 'A' PMS 568

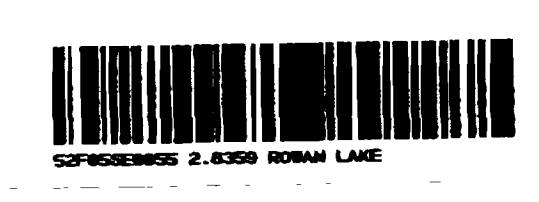
FALCONBRIDGE LIMITED

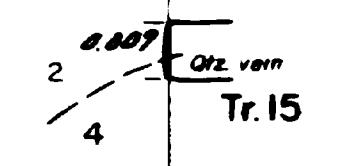
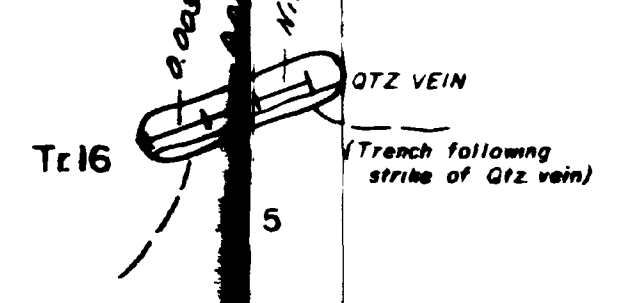
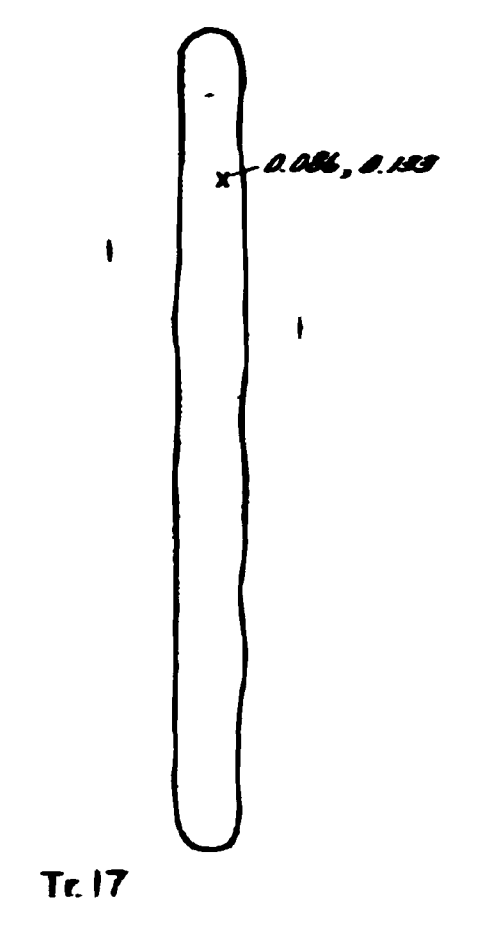
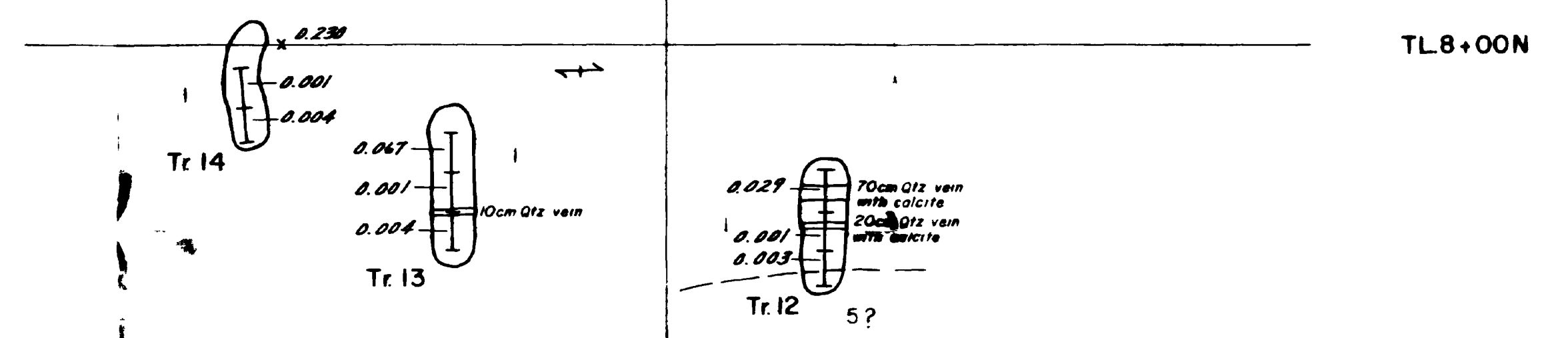
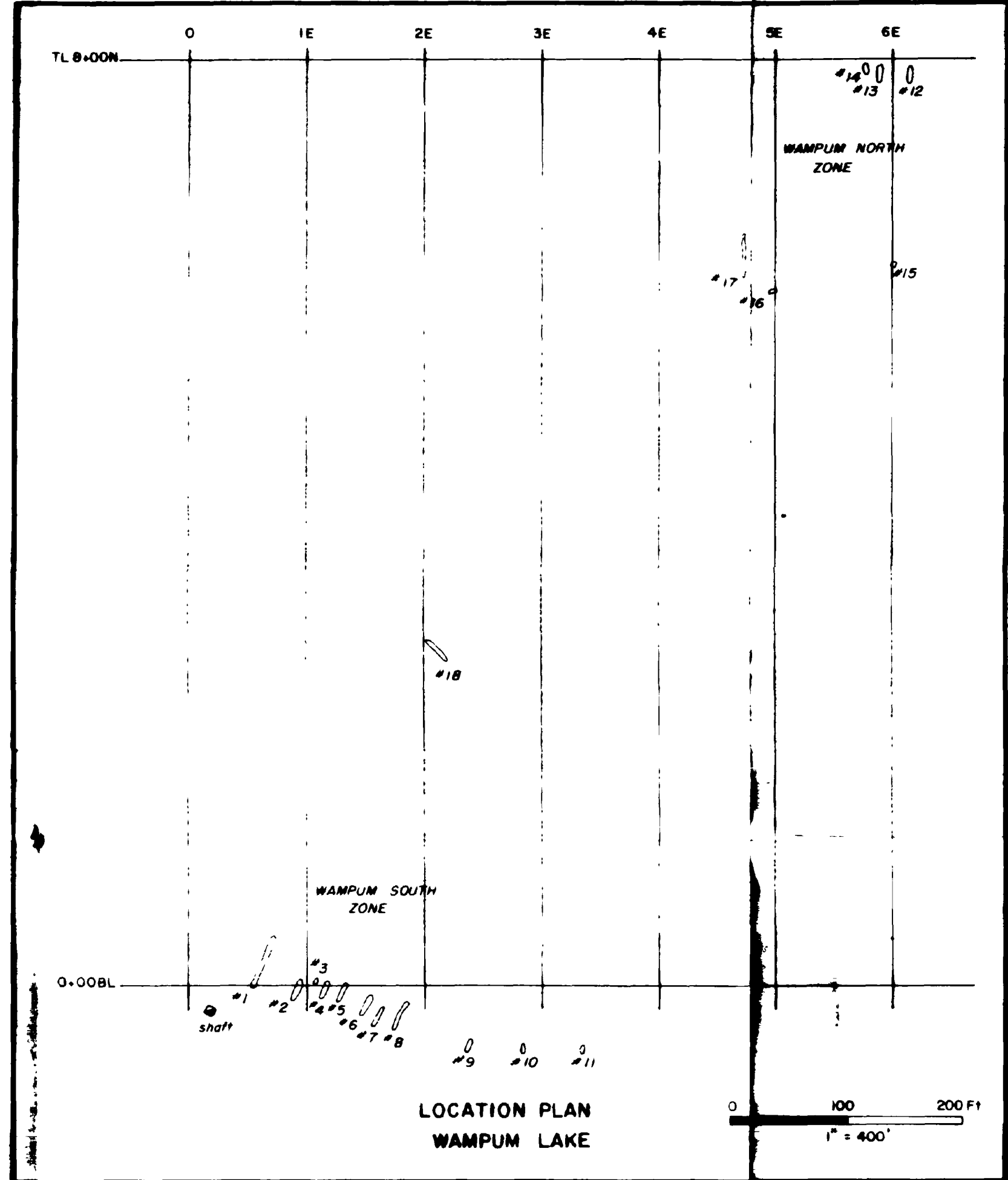
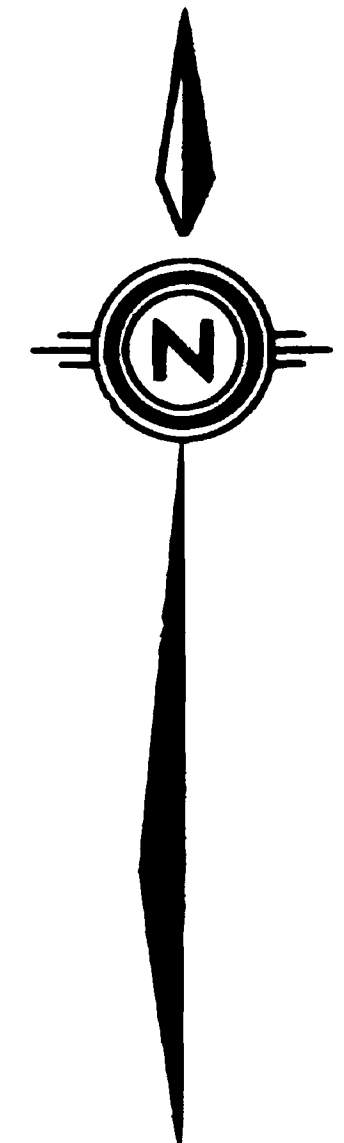
WAMPUM LAKE
TRENCH PLAN

ROCK GEOCHEMISTRY

10 0 10 20 30 FT

DATE: JUNE 24, 1980 DRAWN: VCH
 BY: MTS/STJ 327/3





- GEOLOGY LEGEND —
- 5 Felsic Intrusive Rocks
 - 4 Mafic Intrusive Rocks
 - 2 Intermediate Metavolcanic Rocks
 - 1 Mafic Metavolcanic Rocks

- SYMBOLS —
- Tr. 10 Trench Number
 - O.B. Overburden
 - Q.V. Quartz Vein
 - Geologic Contact
 - Zone of Shearing
 - Foliation (vertical)

- 0.009 Rock Sample Au Value (oz/ton)
- Chip Sample
- Grab Sample

28357
Richard Kenny

SHEET 'B' PB 998

FALCONBRIDGE LIMITED

WAMPUM LAKE
TRENCH PLAN

ROCK GEOCHEMISTRY

10 0 10 20 30 FT

DATE: JUNE 24, 1988 DRAWN: VCH
BY: SJP/S

