



41115SE0006 17 MACKELCAN

010

DIAMOND DRILLING

TOWNSHIP: MACKELCAN

REPORT NO: 17

WORK PERFORMED FOR: Flag Resources (1985) Ltd.

RECORDED HOLDER: Same as Above [xx]
: Other []

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
586760	TL-87-3	360'	Oct/87	(1)

Notes: (1) #W8807.165 , filed in Jan/89

HOLE #: TL 87-3

Clm → S. 586760

LOCATION: Mackelcan Tp; East side of Thomas Lake; 1.
Claim #

DIP: -45° AZIMUTH: 220°

SIZE: BQ Wireline

LENGTH: 360'

DRILLED BY: Triangle

DATE STARTED: October 10/87

DATE COMPLETED: October 14/87

LOGGED BY: F.H.T.

0-7 Casing; overburden

7-119.3 Gowganda Formation - laminated, wacke-siltstone; medium to light to dark greenish-grey; f.g.r.; beds 1 mm to several cm thick at CA 30-45°; occasionally minor Py disseminated; a few small quartz-hematite +/- feldspar(?) veinlets 1 mm to 1 cm wide; hematitic zones with hematite (+/- quartz) on fractures, as disseminations, and/or as alteration veinlets ^{to} parallel to cross-cutting bedding; moderately magnetic from 7-99'.

42-64 Moderately hematized; hematite +/- quartz on fractures, slips and in veinlets and rags at CA 15-25°, 30°, 45-50° and also along (and cross-cutting) bedding at CA 15-20°; sections of broken core; fractures 3-10/foot; from 59-63' bedding is deformed and contains a few quartz-hematite veinlets 1-2 mm wide, as well as hematitic slips and fractures (+/- quartz) at CA 25-30°.

80.3-80.8 Quartz vein, 5-10 mm wide at CA 15° cross-cutting bedding; vein contains 15-20% coarse blebs or clusters of sub-hedral Py up to 1 cm (+) size; some disseminated Py in wall rocks

101-115 Hematitic as in 42-64' section; some more massive wacke interbeds; minor hematized quartz veinlets at 103'; hematitic, foliated mylonitic breccia zones (with rounded to ovoid clasts) at CA 60°, 25° between 103-104'

119-119.3 Mylonitic breccia; foliated matrix with 1-2 mm clasts; quartz veinlet at dyke contact at CA 35-40°

119.3-134 Mafic Dyke (not olivine diabase; possibly Nipissing); dark greenish-grey; f.g.r. (approx. 1 mm); weakly to moderately magnetic; may be chilled (?) with 1 mm feldspar phenocrysts (?) from 119.3-119.4'; minor disseminated Py cubes; minor visible f.g.r. Po at 126'; dyke cut by a Sudbury Breccia (pseudotachylite) vein up to 2 cm wide at CA 65° and 45°; minor quartz-carbonate-hematite veinlets at CA 30-35°, 60°; some hematite on slips at CA 60°; sheared, mylonitic at CA 50-60° at 124'; lower contact with deformed, laminated

wacke-siltstone at CA 60°

- 134-225 medium Gowganda Formation - interbedded, laminated, massive to some-
times pebbly (Tr: 1% pebbles and granules, 1cm-1mm size) wacke-siltstone;
to light to dark greenish-grey color; f.g.r; laminated beds
(1mm-1cm) are often deformed; massive beds up to 1 foot
thick (30% of section); beds at CA 5°, 40°, 60-70°; hematized
parts; pyritic section; 2 cm wide quartz-hematite vein;
possible hematized gritty-pebbly quartzite dropstones; zones of
broken core; rocks are fractured at CA 30-40°, 50-60°
15-25°, 70-80° (3-10/foot) with hematite, $\frac{1}{2}$ quartz & car-
bonate & chlorite slips
- 134-136.7 Deformed bedding ^{at CA 20-60°} in laminated wacke-siltstone with 9"
m.g.r. medium greenish-grey quartzite(?) bed with white
silicate mineral speckling
- 136.7-140.2 Moderately hematized as disseminations, bands and
fracture fillings and in vuggy quartz-carbonate
veinlets 1-2 mm. wide; strongest hematization
between 136.8-139 where $\frac{1}{2}$ % Cp grains occur in
vuggy ^{carbonate} veinlets at CA 2-10°, 20°, 35-45°, 60°;
hematite fractures continue to 144'
- 148-151.5 Broken core, hematite $\frac{1}{2}$ quartz fractures; at 148.7 is 4"
reddish-grey, m.g.r., cataclastic(?) gritty quartzite cobble;
with hematite fractures and hematized(?) feldspar;
contacts in broken core; see below
- 154.0-154.2 Gritty-pebbly ^{reddish, light grey} quartzite dropstone(?) in deformed finely laminated wacke-
158.3-159 numerous anastomosing fine fracture fillings (silicate)
cutting deformed bedding in laminated wacke-siltstone
- 158.2-165.3 1-2% disseminated Py cubes, locally concentrated in the
darker beds in partly deformed thinly laminated
wacke-siltstone; hematite $\frac{1}{2}$ quartz fractures, disseminated
hematite in parts; some vuggy quartz-carbonate-hematite
fracture fillings $\frac{1}{2}$ Py mainly from 159.3-162.3; 2 cm
wide quartz vein with hematitic margins at CA 15°
at 161.3; broken core zones
- 168-173 Broken core, some hematite ^{$\frac{1}{2}$ quartz} fractures; cobble of
of gritty, pebbly quartzite or conglomerate; possible
mud on slip at CA 10°
- 176.5 2-3 mm quartz-hematite veinlet at CA 10° (plus slip)
- 179-188 Thinly laminated wacke-siltstone, bedding at CA 45-70°
changing to about CA 20°; some hematization along
beds and few fractures; some deformation of beds,
 $\frac{1}{2}$ % disseminated Py at 179.1
- 188-194.5 Parts with deformed bedding
195 Redd. granitic cobble 2.5" in size; partly broken up with
injections of wacke and partly offset contact

- 197-204 Hematized zone, broken core; hematite on fractures, as veinlets and pervasive; rocks may be partly mylonitic and brecciated(?); a few 1-2 mm quartz-hematite fracture fillings
- 205.5 Hazy, pinkish alteration holo borders 2-3 mm quartz-veinlet at CA 20°; halo is up to 2cm wide on borders of veinlet
- 209-226 broken core; a few hematitic fractures in this zone
- 225-287 Gowganda Formation - massive to pebbly wacke (or dirty quartzite?) medium greenish grey, f-m.gr., with 1/2-1% rounded pebbles and granules of pink granitic, wacke & siltstone material; pebbles up to 2cm size; broken core throughout; few quartz veinlets; occasional hematitic fracture and disseminations; fractures at CA 40-50°, 60-70°, 15-25° (8-10+/foot)
Hematitic from 228-230', 254-259', 281-285'
- 244.0-244.3 4" piece of core - rock appears cataclastic, irregularly fractured, and contains ^{veinlets} irregular veinlets of quartz +/- hematite up to 1cm wide @ CA 5-35°
zone py grains with veinlets - may be fault! ; in broken core (non-mineralized)
- 257 Fault(?) - brecciated, cemented by hematite; 1" piece - in broken core
- 282.5 Quartz & hematite veinlet at CA 20°; 2-3 mm wide
- 287-360 Gowganda Formation - similar to 225-287 section, but relatively minor hematite alteration; white, anhedral silicate mineral speckling less than; 1mm size (Tr-3%); zones of broken core; fractures, slips at CA 30-45°, 60-75° (1-10/foot); a few 1-2 mm quartz veinlets at CA 30-35°;
- 312-317 Broken core; some hematite on fractures
- 319-320 Broken core
- 338-343 Hematite +/- quartz on fractures at CA 30°, 60°; some disseminated hematite locally; hazy, pinkish alteration giving rock the appearance of a light coloured quartzite or arkose from 340-340.7'
- 354 Hazy pinkish alteration; about a 2 mm quartz veinlet containing a speck of Cp; fractures 4-10/foot to 359'
- 359-359.3 Sudbury-type Breccia veinlets
- 360 End of hole

Casing pulled

SAMPLES

29 BEAVER CRESCENT
NORTH BAY, ONTARIO P1A 3M1

40/17

Sample #	From	To	Length	Au (ppb)	Remarks
Tr 87-3-1	78.3	80.3	2.0'	37	laminated wacke-siltst
1 3-2	80.3	80.8	0.5'	528	1 cm. Qz vein, Py
3-3	80.8	82.3	2.0'	30	laminated wacke-siltst
space → 3-4	136.8	139.0	2.2'	71	1/2% Cp, Qz-Carb, Hem
space → 3-5	158.2	161.3	3.1'	156	1-2% dissem. Py cubes
3-6	161.3	162.0	0.7'	361	2 cm. Qz-Hem vein, mi Py in wall rocks
3-7	162.0	165.3	3.2'	99	1-2% dissem. Py cubes
space → 3-8	244.0	244.3	0.3'	51	Qz-Hem veins, Py-Fa

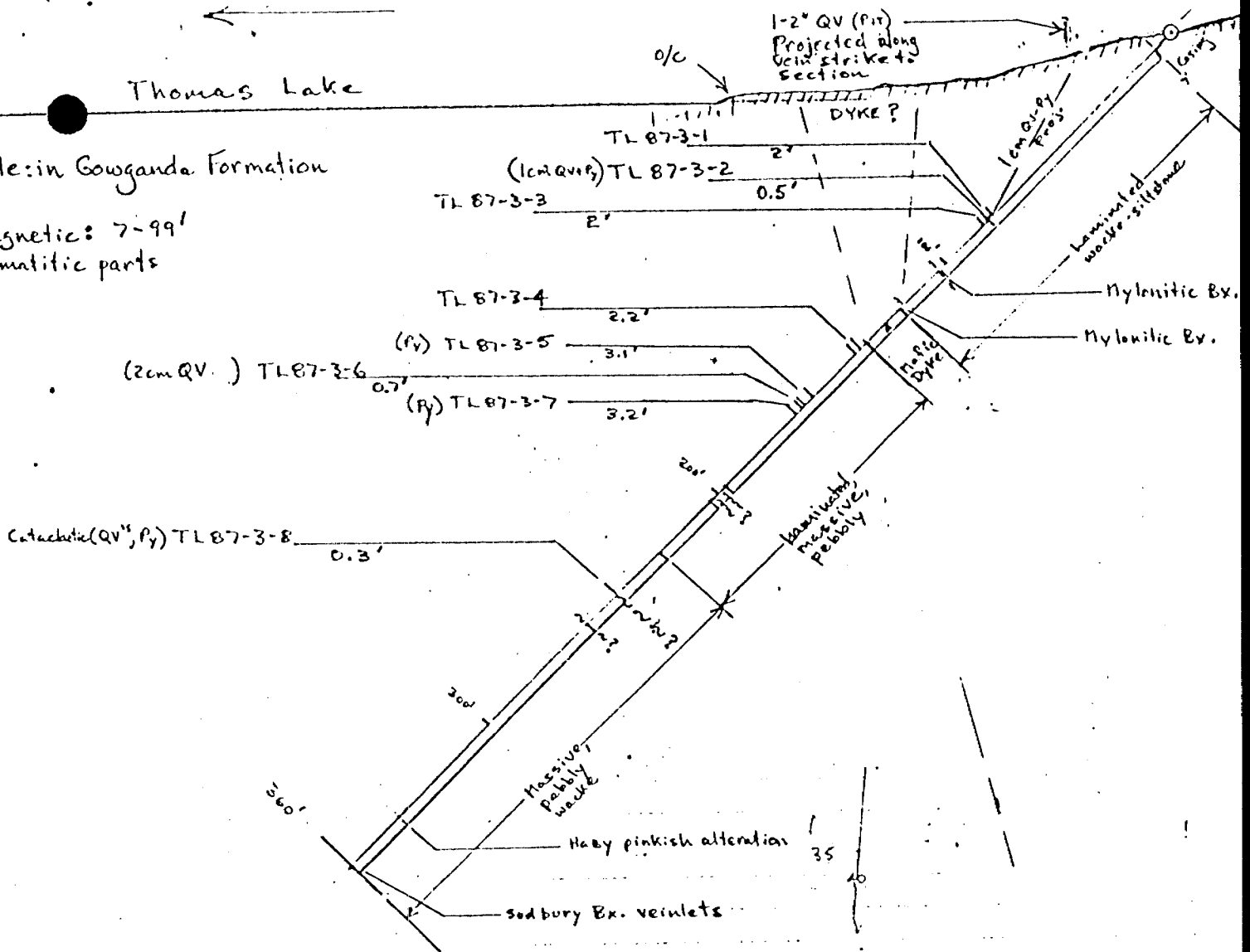
SUBBURY
MINING DIV.
RECEIVED
APR 12 1988
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 0

29 BEAVER CRESCENT
NORTH BAY, ONTARIO P1A 3M1

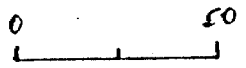
Thomas Lake

Hole: in Gowganda Formation

Magnetic: 7-99'
Hematitic parts



SUBURRY
MINING DIV.
RECEIVED
APR 12 1988
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.



FLAG RESOURCES LTD.
SECTION (Looking 310°)
DDH. TL 87-3

GEOLOGICAL ENGINEERING SERVICES
29 BEAVER CRESCENT
NORTH BAY, ONTARIO P1A 3N1

Thomas Lake, McKelcan
Claim #
Scale: 1" = 50'

GEOLOGICAL ENGINEERING SERVICES
29 BEAVER CRESCENT
NORTH BAY, ONTARIO P1A 3N1

586760

SUDBURY
MINING DIV.
RECEIVED
APR 12 1988
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

THOMAS
LAKE

APPROX. HOLE LOCATIONS
RELATIVE TO PIT

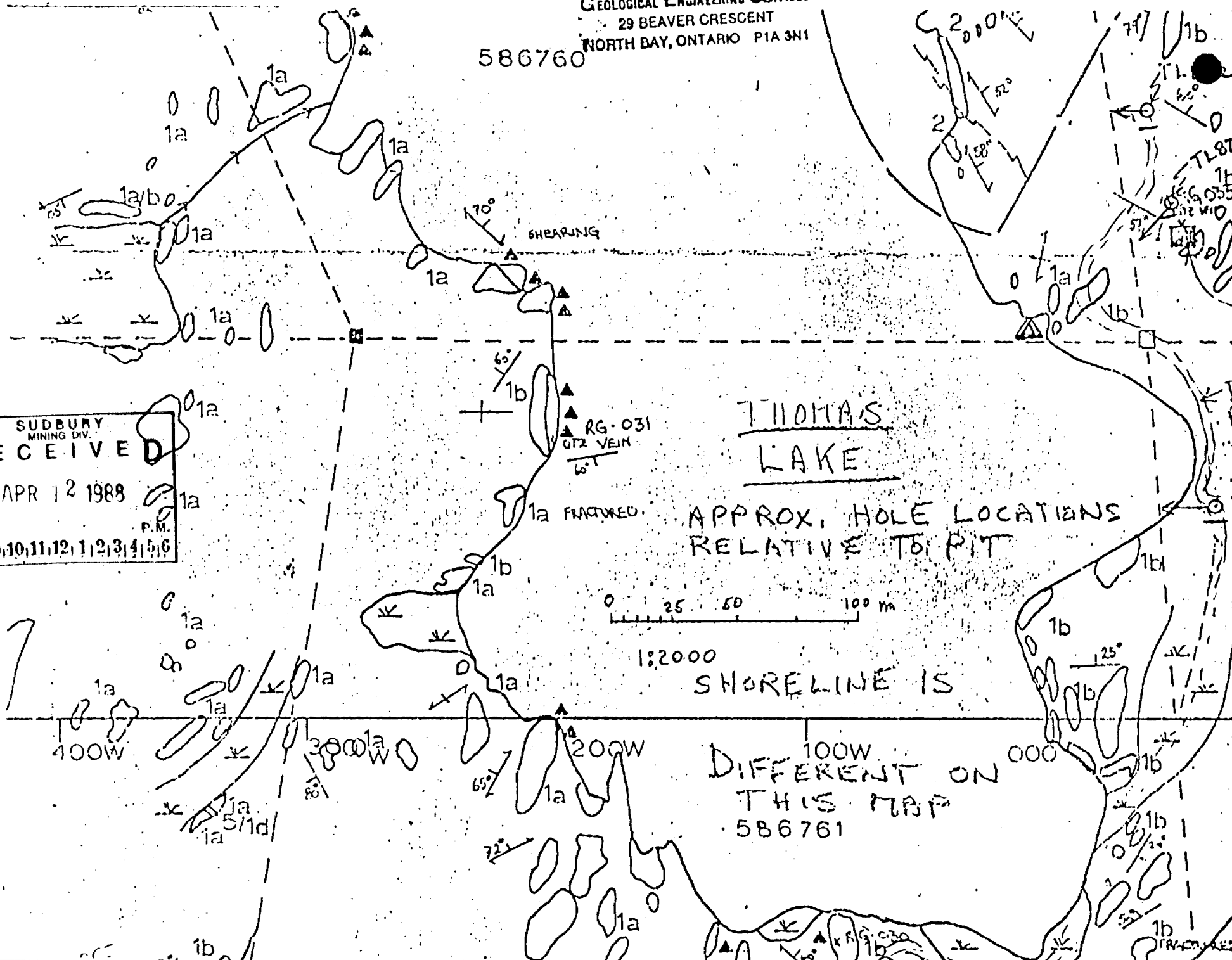
0 25 50 100 m

1:2000

SHORELINE IS

100W
DIFFERENT ON
THIS MAP

586761





Name and Postal Address of Recorded Holder

Flag Resources (1985)Limited

T1615

Suite #1970, 540 - 5 Avenue S.W., Calgary, Alberta, T2P 0M2

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 3319	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.	Mining Claim		Work Days Cr.
	Prefix	Number		Prefix	Number		Prefix	Number	
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey		Schedule A							
		attached							

MINING DIV. SUBURRY
ASSESSMENT FILES
OFFICE
AUG 23 1988
RECEIVED

All the work was performed on Mining Claim(s):

S808912, 808990, 586760 and 586200-Schedule B attached

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Core logs to follow.

RECORDED
AUG 18 1988
K/S

SUDBURY MINING DIV.
RECEIVED
AUG 13 1988
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

SUDBURY MINING DIV.
RECEIVED
MAR 23 1988
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

Date of Report
March 23, 1988

Recorder Holder or Agent (Signature)
[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

Murdo C. McLeod Suite #1970, 540 - 5 Avenue S.W., Calgary, Alberta T2P 0M2

Date Certified
Mar 23/88

Certified by (Signature)
[Signature]

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		