

DIAMOND DRILLING



52F07NE0037 29 BOYER LAKE

010

Area: Boyer Lake

Report No: 29

WORK PERFORMED FOR: Esso Resources Canada Limited

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM NO:</u>	<u>HOLE NO:</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
X 850300	PL-86-06	350'	Dec/86	(1)

NOTES: (1) #78-87 (filed in Sept/87)

PELHAM PROJECT ONT 081 DRILL LOG : 86 - PL - 06

From	To	Lithology	Sample			Au		As (p.p.m.)
			From	To	#	g/t	p.p.b.	
0.0	3.66	: <u>CASING/OVERBURDEN</u>						
3.66	11.34	: <u>INTENSELY BIOTITIZED GABBRO</u>	3.66	4.42	32102			
		- 2 to 15 cm bands of int. biot'zd gabbro	4.42	5.18	32103			
		crosscut by 5 to 12% epidote strngs. Veins and	5.18	5.95	32104			
		biot'zd bands parallel to 85 degree to core axis	5.95	6.71	32105			
		foliation.	6.71	7.47	32106			
		- 10 to 40% biotite	7.47	8.23	32107			
		- 1 to 5% diss py and minor stringers py	8.23	8.99	32108			
		- highly variable silicification	8.99	9.75	32109			
		- minor diss po	9.75	10.52	32110			
			10.52	11.34	32111			
11.34	14.20	: <u>WEAKLY BIOTITIZED GABBRO</u>	11.34	12.20	32112			
		- generally massive, dark green, 2% diss	12.20	12.95	32113			
		biotite in foliation parallel flakes up to	12.95	13.72	32114			
		5mm in length	13.72	14.33	32115			
14.20	16.25	: <u>INTENSELY BIOTITIZED GABBRO</u>	14.33	14.78	32116			
		- 5 to 20% biotite-rich (10 to 50% diss	14.78	15.54	32117			
		biotite) bands alternating with light-green	15.54	16.31	32118			
		carbonatized gabbro.						
		- 10 to 35% epidote stringers ranging in						
		width from 0.5 to 3.0cm.						
		- Stringers and biotite-rich bands pll to 65						
		to 75 degrees to c.a. foliation.						
		- Up to 3% diss, f.g. pyrite with minor						
		stringer py and po.						
16.25	43.31	: <u>GABBRO</u>						
		- Generally unaltered, dark green, weak to						
		moderate foln 70 to 90 degrees to c.a.						
		- 1 to 2% diss leucoxene partially replacing						
		disseminated magnetite.						
		- Crosscut by 1 to 2% epidote-carbonate veins						
		from 0.5 to 1.5 cm in width.						
43.31	44.44	: <u>CARBONATE VEIN</u>	43.31	44.44	32119			
		- Granular textured, grey-white in colour,						
		minor diss py-po (<1%).						
		- Irregular contacts with wallrock						
		- weak foliation 80 to 85 degrees to c.a.						

- 44.44 46.24 : EPIDOTE - CARBONATE SCHIST 44.44 45.26 32120
 45.26 45.72 32121
 45.72 46.24 32122
- Intensely metasomatized gabbro totally replaced by epidote and carbonate (calcite).
 - Weakly brecciated and silicified throughout
 - 7% diss po-py, patchy weak to moderate biotite alteration
 - Pyrite is 1 to 2mm euhedral grains and po is found as very f.g. (<.5 mm) disseminations.
- 46.24 47.85 : CARBONATIZED GABBRO 46.24 46.94 32123
 46.94 47.85 32124
- Moderately to intensely carbonatized, medium-grained gabbro
 - Crosscut by 3 to 5% pyrite stringers generally 1 to 2mm in width with 1 to 5mm cubes of pyrite
 - 1 to 5% diss leucoxene
 - Foliation 75 to 90 degrees to c.a.
 - Crosscut by 1% carbonate stringers generally < 2 cm in width.
 - 2 to 7 % fine diss po and minor stringer po
- 47.85 48.46 : SILICIFIED BRECCIA ZONE 47.85 48.46 32125
- Moderately carbonatized zone overprinted by an intense brecciation and silicification
 - Crosscut by 3 to 5% pyritic stringers composed of 1 to 2mm euhedral pyrite grains
- 48.46 49.83 : CARBONATIZED GABBRO 48.46 49.22 32126
 49.22 49.99 32127
- Weakly to moderately carbonatized and pyritized fine-grained gabbro.
 - 1 to 3 % disseminated fine po and py
 - 1% pyritic stringers
- 49.83 66.23 : GABBRO
- Massive, dark-green, crosscut by < 1% carbonate stringers, well-developed foln 80 degrees to c.a.
 - < 1% diss py-po
- 66.23 67.23 : CARBONATE BRECCIA ZONE 66.23 67.23 32128
- 30 % carbonate veins crosscutting intensely carbonatized and moderately biotite altered gabbro
 - veins and foliation 85 degrees to c.a.
 - 1 to 3% diss py, minor po
- 67.23 67.67 : CARBONATIZED GABBRO

- Weakly silicified and brecciated trace
diss po-py

67.67 70.93 : SILICIFIED BRECCIA

- Weakly silicified gabbro, dark-green
fine-grained, up to 5% fine disseminated po and
minor py.

- Weak foliation 80 degrees to c.a.

70.93 71.30 : CARBONATE BRECCIA

70.93 71.30 32129 Tr. 260 <3

- Carbonatized gabbro crosscut by 30 to 40%
carbonate stringers.

- Foliation 80 degrees to c.a.

- Minor diss py in veins

71.30 97.10 : CARBONATIZED GABBRO

- Dark green, generally massive

- Minor epidote stringers

- 1 to 3% diss leucoxene

- <1% diss sulphides

- Foliation 60 to 80 degrees to c.a.

97.10 98.63 : CARBONATE BRECCIA

97.10 97.84 32130 Tr. 60 <3

97.84 98.63 32131 Tr. 28 <3

- Partially silicified gabbro

- Very weakly biotitized

- Crosscut by 10 to 30% calcite stringers

- Less than 5% stringer and diss py-po

- Calcite stringers have well-developed

epidote-carbonate alteration haloes

98.63 106.69 : INTENSELY CARBONATIZED GABBRO

- Intensely bleached, grey-white, fine - to -
medium-grained gabbro

- 1 to 5% diss leucoxene

- Crosscut by 3 to 15% epidote/carbonate
stringers and fractures

- Minor diss py-po

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE

MAY 19 1987

RECEIVED

PELHAM PROJECT DRILL LOG SUMMARY : 86 - PL - 06

HOLE LOCATION: 119 W , 0 + 41 N STARTING DATE : DECEMBER 2, 1986

AZIMUTH : 250 COMPLETION DATE : DECEMBER 4, 1986

DIP : -50

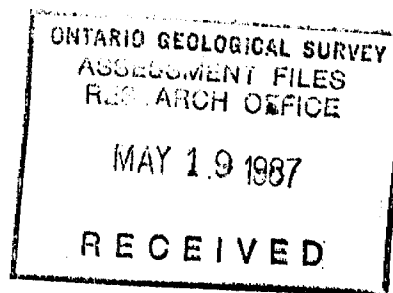
BO CORE

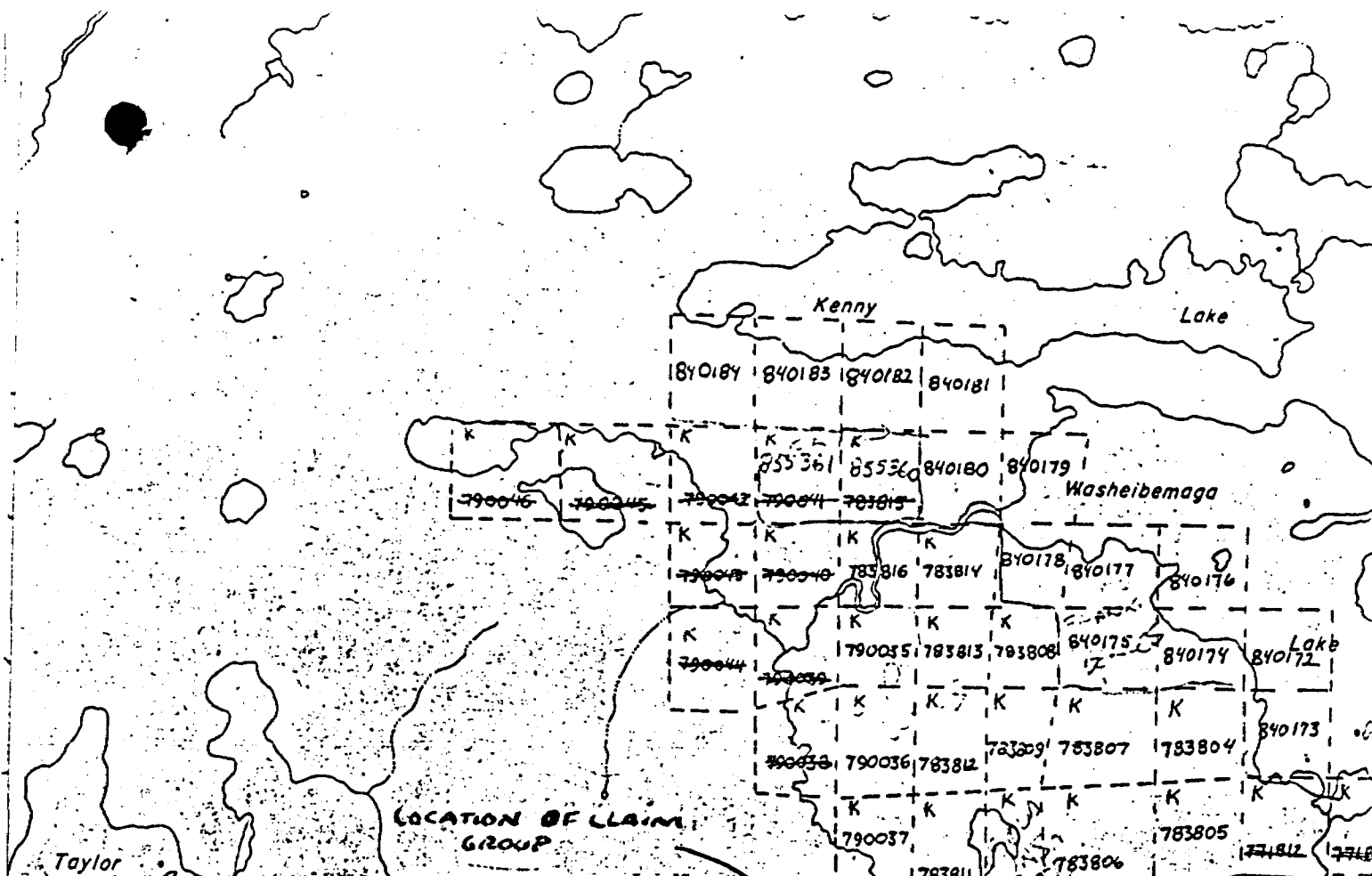
FINAL DEPTH : 106.68 metres

GEOLOGICAL SUMMARY :

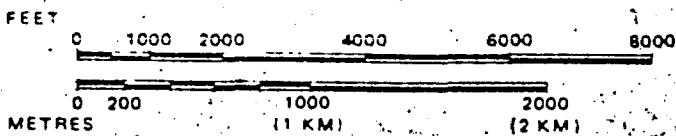
0.0 - 3.65 m : Overburden/casing
3.65 - 11.34 m : Intensely Biotitized Gabbro
11.34 - 14.20 m : Weakly Biotitized Gabbro
14.20 - 16.25 m : Intensely Biotitized Gabbro
16.25 - 18.90 m : Weakly Biotitized Gabbro
18.90 - 43.31 m : Gabbro
43.31 - 44.43 m : Carbonate Vein
44.43 - 46.24 m : Epidote - Carbonate Schist
46.85 - 47.85 m : Carbonatized Gabbro
47.85 - 48.46 m : Silicified - Brecciated Gabbro
48.46 - 66.23 m : Weakly Carbonatized Gabbro
66.23 - 67.24 m : Carbonate Breccia
67.24 - 70.93 m : Silicified Gabbro
70.93 - 97.07 m : Carbonatized Gabbro
97.07 - 106.68 m : Intensely Carbonatized Gabbro

A. M. GRETTON





SCALE: 1 INCH = 40 CHAINS



AREA

BOYER LAKE

M.N.R. ADMINISTRATIVE DISTRICT

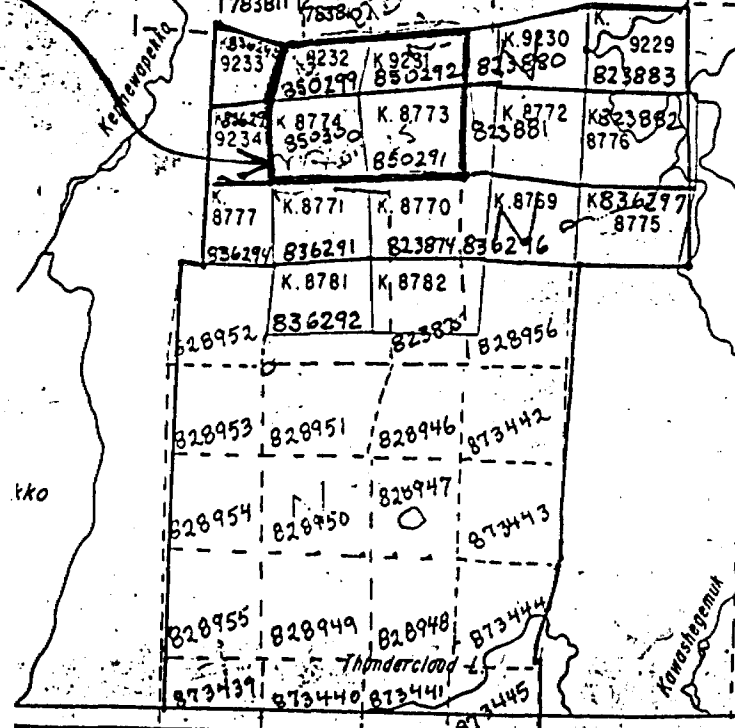
DRYDEN

MINING DIVISION

KENORA

LAND TITLES / REGISTRY DIVISION

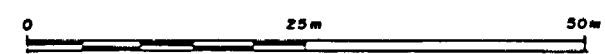
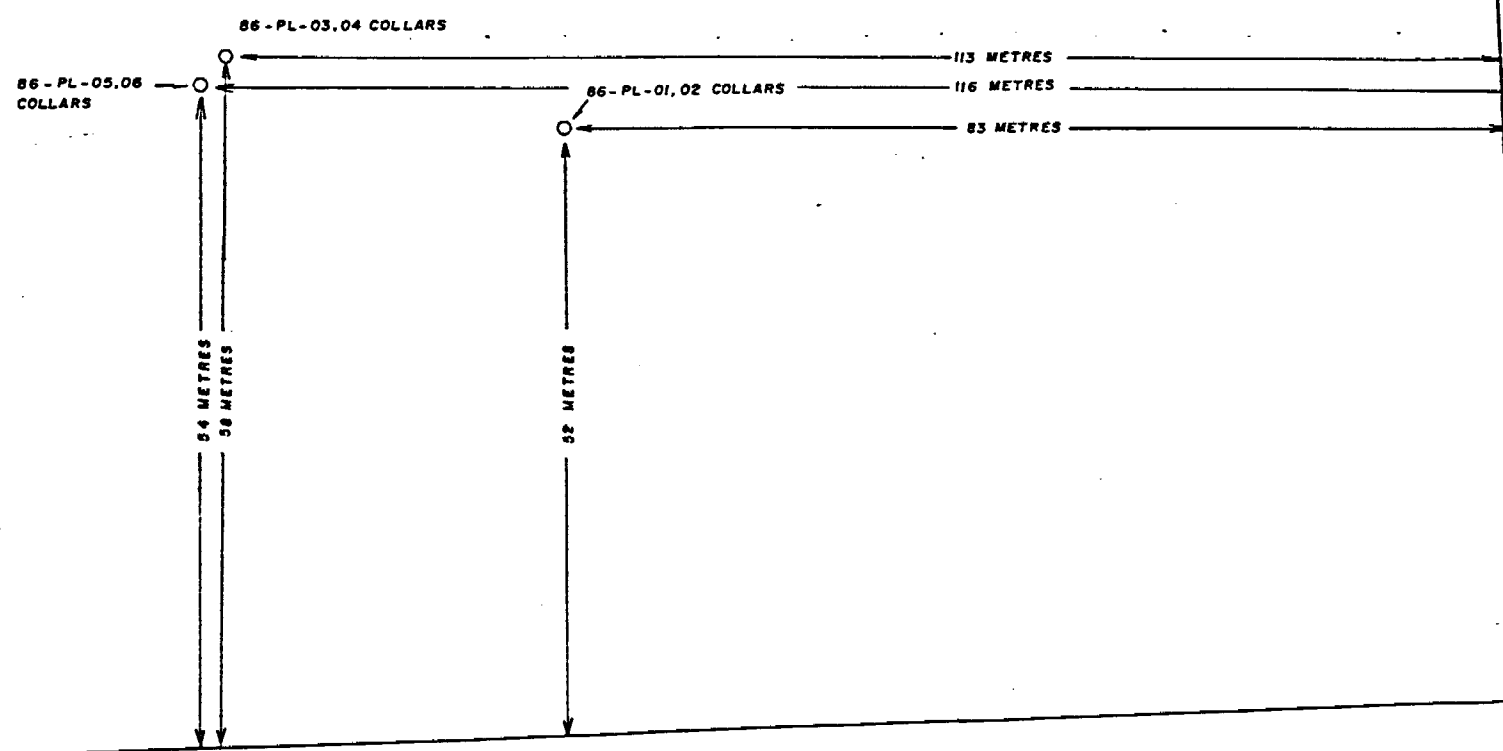
KENORA



Ministry of Land
Natural Management
Resources Branch

K 850300

K 850292



ESSEO MINERALS CANADA DIV'N OF ESSO RESOURCES CANADA LIMITED		
PROSPECT:		
DRILL HOLE LOCATION SKETCH		
ACCOUNT N ^o	FILE N ^o	TORONTO
DRAWN BY:	DATE	NTS 52 F/7
DWG. N ^o	FIGURE N ^o	
SCALE		
To Accompany A Report By:		
Dated:		

W8701-78

Minlr



52F07NE0037 29 BOYER LAKE

900

Name and Postal Address of Recorded Holder

Esso Resources Canada Limited

120 Adelaide St. W., P.O. Box 4029, Station "A", Toronto, Ontario M5W 1K3

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 350	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	K	850300	110						
		850299	80						
		850292	80						
		850291	80						

All the work was performed on Mining Claim(s): K 850300

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

Diamond drilling done by: Northwest Geophysics
P. O. Box 3263
Thunder Bay, Ontario
P7B 5E8
during period November 15th to December 5th, 1986

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ASSESSMENT FILES
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MAY 19 1987
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KENORA MINING DIV.
APR 28 1987
7:89 10 11 12 1 12 3 4 5 6 PM

86-PL-06 = 106.68 m = 350'

Date of Report: 15/04/87
Recorded 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

E.P. Moreton, 90 Adelaide St. E., Apt. 209, Toronto, Ontario

Date Certified: APRIL 16/87
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	850291	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil