42A01SE0131 19 OTTO

DIAMOND DRILLI.

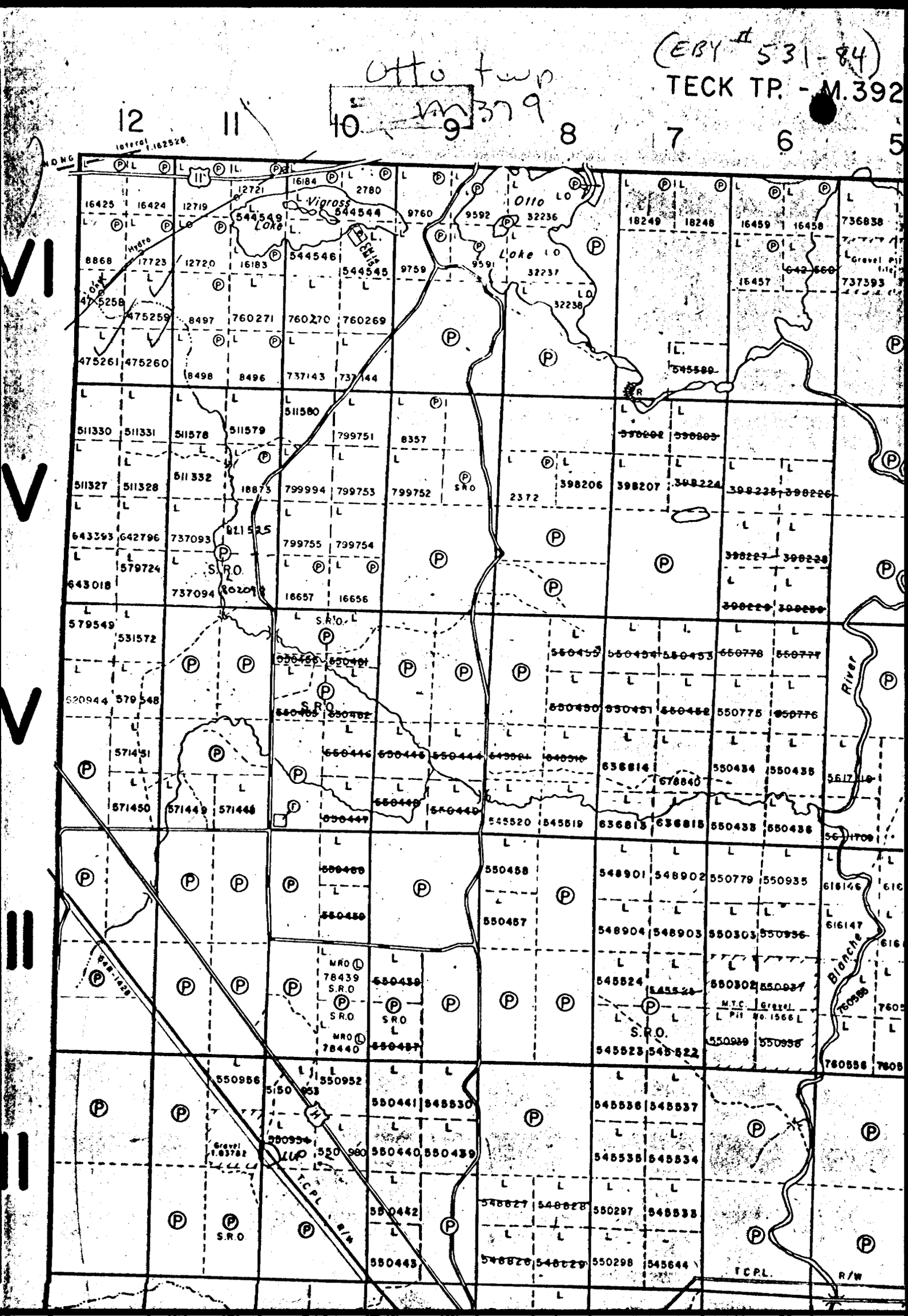
TOWNSHIP: Otto

REPORT NO.: 19

WORK PERFORMED BY: J. D. Reed

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
L 475258	84-3	119	July/84	(1)
	84-4	113	July/84	(1)
	84-7	118	Aug/84	(1)

NOTES: (1) #531-84 (Eby Twp.)


(EBY # 531-84)
TECK TP. - M.392
Otto twp
12
11
10
9
8
7
6
5
Vigross Lake
Otto Lake
Hydro
Oil
Gravel Pit
S.R.O.
MRO
M.T.C. Gravel Pit No. 1566
Blanche River
T.C.P.L.
R/W

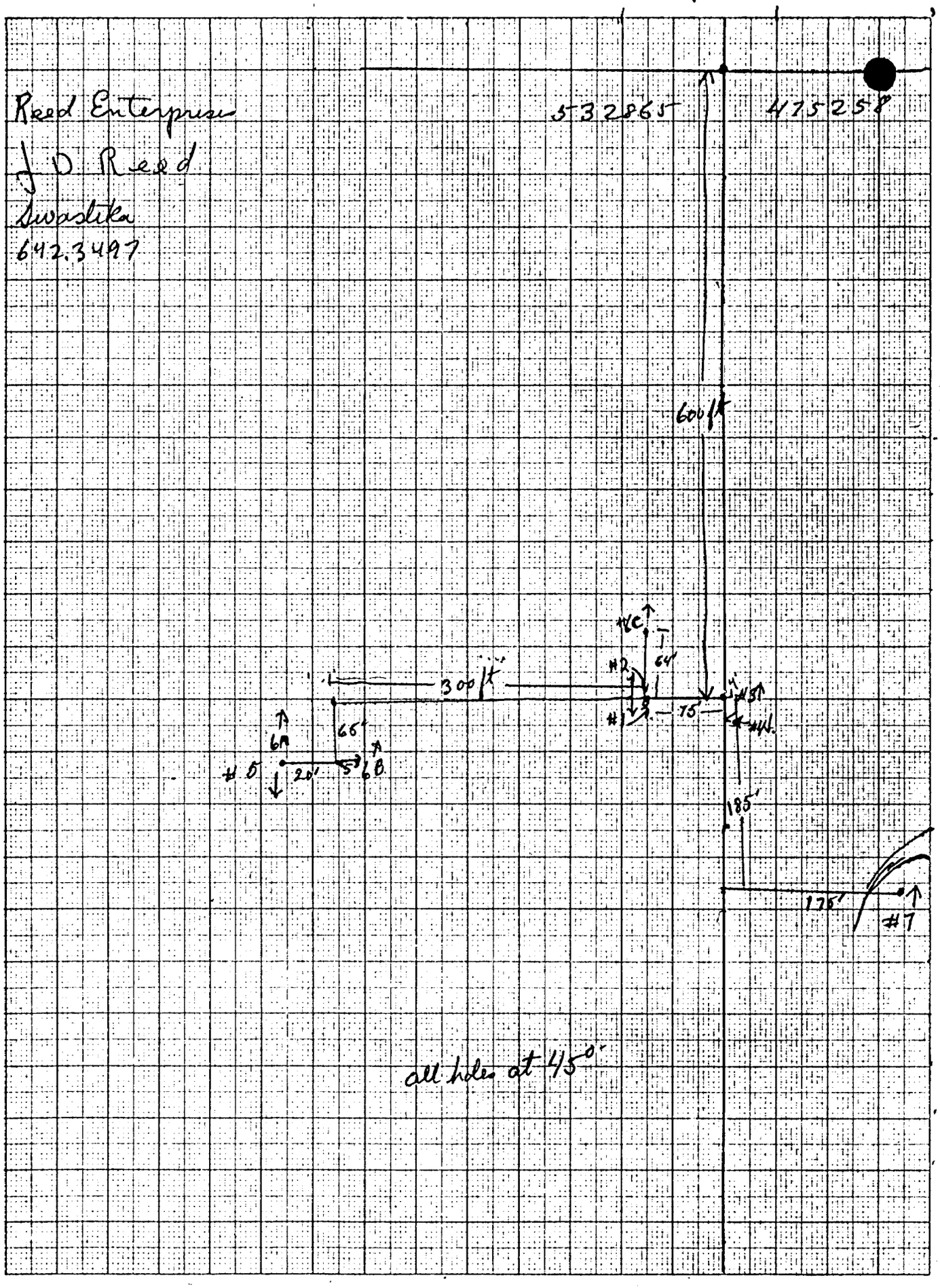
Eby Twp. OTTO

Reed Enterprises

J D Reed

Swastika

642.3497



all holes at 45°

10 MM/CM

DIAMOND DRILL CORE RECEIVING FORM

Received from Jim Reed.

45 boxes of diamond drill core at the Kirkland Lake
1031 feet
Diamond Drill Core Library.

DDH#	BOXES	FEET/METERS	TOWNSHIP	LOG	LOCATION
5	5	116 ft	Eby	✓	✓
9	5	103	"	✓	✓
8	5	115	"	✓	✓
7	5	118	"	✓	✓
2	5	117	"	✓	✓
1	5	114	"	✓	✓
4	5	113	"	✓	✓
3	5	119	"	✓	✓
6C	5	116	"	✓	✓

Date 84/11/16 Received by [signature]

N.B. Core donation may be used for Assessment Credits under the Mining Act at a rate of 1 day for every 25 feet of drilling.

DIAMOND DRILL CORE RECEIVING FORM

Received from Reed, J.

10 boxes of diamond drill core at the Kirkland Lake
457.5 feet
Diamond Drill Core Library.

DDH#	BOXES	FEET/METERS	TOWNSHIP	LOG	LOCATION
6B	1	25 ft	Eby	✓	✓
6A	1	22.5	"	✓	✓
83-1	12	307			
83-2	5	103			

Date 84/11/16 Received by [signature]

N.B. Core donation may be used for Assessment Credits under the Mining Act at a rate of 1 day for every 25 feet of drilling.

THE MINING ACT – DEPARTMENT OF MINES

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE

HOLE NO. 84-3 | PAGE NO. 1

DRILLING COMPANY: KOSY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH: 0	TOTAL FOOTAGE: 119	DIP OF HOLE AT: collar 45°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO. / CLAIM NO.: L475258
DATE HOLE STARTED: 84-07-20	DATE COMPLETED: 84-07-24	DATE LOGGED: 84.10.17	LOGGED BY: Gary Grabowski		ft / ft / ft / ft		LOCATION (Tp., Lot, Con. OR Lot. and Long.): OTTO
EXPLORATION CO., OWNER OR OPTIONEE: Reed Enterprises		DATE SUBMITTED	SUBMITTED BY (Signature)				PROPERTY NAME

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION (Colour, grain size, texture, minerals, alteration, etc.)	PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS Au Oz/T
0	4.5	Casing	Overburden							
4.5	11	Altered (flow-top?) Breccia	Yellow-green and grey-green brecciated fragments healed by quartz and some minor carbonate. Very little mineralization				34.5	37.5		Nil
							64.5	67.0		Nil
11	119	Mg Tholeiitic Basalt	Similar to hole #2 ie. medium grey-green fine-grained weakly carbonatized							
			Yellow-green alteration around quartz veins at 46.5', 48', 50', 55', 58', 60' and 65' (These altered zones may represent inter flow sediments, especially at 60')				104.5	106		
			Pillow selvages carry the only appreciable amount of pyrite							
			End of hole 119'							

THE MINING ACT - DEPARTMENT OF MINES

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE

HOLE NO. 84-4 | PAGE 1

DRILLING COMPANY: KOSY	COLLAR ELEVATION:	BEARING OF HOLE FROM TRUE NORTH: 180°	TOTAL FOOTAGE: 113	DIP OF HOLE AT: collar 45°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM:
DATE HOLE STARTED: 84.07.24	DATE COMPLETED: 84.07.27	DATE LOGGED: 84.10.23	LOGGED BY: Gary Grabowski	ft	MAP REFERENCE NO.: CLAIM NO.: L 475258
EXPLORATION CO., OWNER OR OPTIONEE: Reed Enterprises		DATE SUBMITTED:	SUBMITTED BY (Signature):	ft	LOCATION (Tp., Lot, Con. OR Lat. and Long.): OTTO
				ft	PROPERTY NAME
				ft	

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE °	CORE SPECIMEN FOOTAGE +	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS +
0	3	Casing	Overburden							
3	4.5	Mg Tholeiitic Basalt	Finegrained, grey-green, probably pillowed							
4.5	6.0	Altered (flow-top?) Breccia	As in hole #3 - yellow-green and grey-green fragments healed by quartz-carbonate some pyrite < 1%							
6.0	38	Mg Tholeiitic Basalt	Grey-green, fine grained, pillowed, weakly carbonatized cut by numerous narrow quartz-carbonate stringers also cut by wider, barren white quartz-carbonate veins at 7', 8', 13', 17.5', 25', 28', 36.5'							
38	83	Sedimentary Tuff and Breccia	Appears to be Mg Tholeiitic in composition. Is highly brecciated with matrix of fragments healed with quartz-carbonate and in some places some minor graphite. Yellow-green alteration (silification) is evident around some veins. Some very minor pyrite is evident							
83	113	Mg Tholeiitic Basalt	As above but with fewer quartz-carbonate veins							
			End of hole 113'							

THE MINING ACT - DEPARTMENT OF MINES

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE

HOLE NO. 84-7 | PAGE NO. 1 of 2

DRILLING COMPANY: KOSY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH: 0°	TOTAL FOOTAGE: 118	DIP OF HOLE AT: collar 45°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO. / CLAIM NO.: L 475258
DATE HOLE STARTED: 84-08-14 / DATE COMPLETED: 84-08-20	DATE LOGGED	LOGGED BY: L. Jensen		ft / ft / ft / ft		LOCATION (Tp., Lot, Con. OR Lot. and Long.): OTTO
EXPLORATION CO., OWNER OR OPTIONEE: Reed Enterprises	DATE SUBMITTED	SUBMITTED BY (Signature)				PROPERTY NAME

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS Au Oz/T
0	6.5	Casing	Overburden							
6.5	6.8	Rusty surface	Carbonatized massive (1-2 mm. grained) basaltic Kometiite cut by quartz-calcite vein 1cm. wide with fine disseminated pyrite (1-2%)							
6.8	17	Basaltic Komatiite	Weakly carbonatized (massive, grey, 1-2mm grained) fine disseminated pyrite at 7.2', 1" quartz vein at 8.8' quartz-calcite veinlets throughout with minor pyrite							
17	23	Basaltic Komatiite /or Mg Tholeiitic Basalt	Fine grained-weakly carbonatized cut by quartz calcite veinlets -gradual grain-size increase to 1-2mm. at 20' and back to fine grained at 22'							
23	45	Mg Tholeiitic Basalt	Fine grained, weakly carbonatized with some flow top breccia; grades into 1-2mm. grained 2" quartz veins at 29', 32.5', 40', 42.3' plus qtz-carb stringers throughout at 2 to 3" intervals							
45	59	Mg Theoleiitic Basalt	1-2mm. grained with variable carbonate alteration and stingers -becomes pyritic at 50'-59' (1-3% but erratic) chalcopyrite <1% at 50.5'				50	51		
59	61	Mg Tholeiitic Basalt	More strongly carbonatized volcanic rock with pyrite (2%) -becomes rusty at 60' (might be interflow sediment from volcanic material)							
61	6.95	Tuff	Carbonatized, calc-alkalic in compsosition weakly pyritic in places				68	69.5		
69.5	72	Tuff	Same as above with graphite starting and increasing along with pyrite - strongly pyrite in places				69.5	72.0		

THE MINING ACT – DEPARTMENT OF MINES

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE ▶ HOLE NO. 84-7 | PAGE No. 2 of 2

DRILLING COMPANY	COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
KOSY		0°	118	collar | 45°			L 475258

DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		LOCATION (Tp., Lot, Con. OR Lat. and Long.)
84-08-14	84-08-20		L. Jensen	ft | °	OTTO

EXPLORATION CO., OWNER OR OPTIONEE	DATE SUBMITTED	SUBMITTED BY (Signature)		PROPERTY NAME
Reed Enterprises			ft | °	

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE °	CORE SPECIMEN FOOTAGE ±	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS ± Au Oz/T	
72	75	Graphite	Core lost 72.5' – 75'								
75	75.5	Tuff	Coarse grained Poor pyrite								
75.5	78.5	Graphite	Sharp upper contact, grades down hole into fragmental rock with fuchsite (green carbonate) mixed with carbonate and quartz and feldspar crystals of tuff -no pyrite				77	78.5			
78.5	107.5	Sedimentary Tuff	Mainly soft sedimentary tuff mixed with carbonate and minor graphite (1-2%) soft sediment deformation - no pyrite								
107.5	118	Basaltic Komatiite	Weakly carbonatized-quartz-calcite stringers throughout								
			118' End of hole								