

# Diamond Drill Record

010

File No.  
RL 94-01  
(Deepened from 225)

Claim No.  
1117306

Map Reference No.  
Claim Map  
G-4093

Location RATHBUN TWP. - SW 1/4 of NE 1/2 of Lot 9, Conc. 4; collar on upper drill road, approx. 70m @ 010° ± 15 m @ 090° from shaft

Total Footage  
225 - 305'  
(68.6 - 93 m)

Dipping of hole from true North  
090°

Collar Elevation  
~ 2 m. above Rathbun L. Elev.

Logged by  
Frank H. Toews, B.Sc.

Dip of Hole  
- 45°  
CORR. SIGN BR

Date Completed  
NOV. 1/94

Date Hole Started  
OCT. 28/94

Drilling Company  
Erasmatives Ltd., Lively, Ontario

COLE - STORED ON SITE

FEET	DESCRIPTION
FROM	TO
225' (68.6 m)	237 1/2' (72.26 m)
	Hole was deepened from 225' (68.6m) at request of M.C.M.; hole was re-entered and rods lowered to 225' on Oct. 28/94 (hole still caving); hole deepened to 227' and cemented above 227'; hole deepened to ~235' in broken, fractured, brecciated ground and was cemented again above 235'; from ~299-305' hit broken ground and drillers report a seam near 299(+), rods binding, hole abandoned; 3 bits used
	GOWGANDA FORMATION - FRACTURED, WACKES + FAULT BRECCIA ZONES
	Wackes are sometimes locally weakly magnatic; wackes are medium-dark greenish grey with some visible laminations @ 25° (+) to C.A.; pervasive dull reddish hematitic alteration <sup>veinlets</sup> occur throughout wackes which are fractured with carbonate, hematitic stain, 1/2 epidote on many fractures @ ~20-65° to C.A. (4-6+ / foot); wackes are moderately soft to soft, chloritic; sections of broken core (60-70% core recovery); some scattered white to reddish (hematitic) carbonate veinlets and gasia @ 0-70° to C.A. in wackes
	Breccia zones up to ~1' long in broken core (with wackes) from about 228.8 - 237(+); breccias consist of about 80% (+) small (0.1-2cm) angular to subrounded wacke fragments set in a dull reddish hematitic

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Feet		DESCRIPTION
FROM	TO	
		matrix and in part a white to yellowish stained and reddish (hematitic) stained carbonate; hematitic matrix is friable in part; some carbonate gash veinlets and breccia in places; core is generally broken up; estimated 50% (?) breccia zones
		Two, 235' marker blocks with cave and grout cement between them; also, several pieces of cored, grouted caved material occur to ~1' below the lower 235' marker block
~237	298.8	GOWANDA FORMATION - THIN BEDDED-LAMINATED WACKES, FRACTURED, +/- QUARTZ-CARBONATE VEINLETS AND GASHES
		Moderately magnetic, medium to dark greenish greys + 5% light greys, more $\pm$ calcareous laminations and small lenses; bedding @ 15-35° to C.A.; rocks cut by some scattered & occasionally locally numerous, < 1-3 mm wide, pinkish (hematitic) carbonate-quartz (+/- chloritic margins, +/- hematitic holes) veinlets & gashes +/- occasional minor disseminated Chlcopyrite (+/- Pyrite) mainly @ 0-35° to C.A. (often 20-30°) which are oriented @ sub-parallel to, or cross-cut the bedding, and occasionally contain tiny well rock clasts; a few chlorite-carbonate veinlets @ 15°, 60-70° to C.A. (+/- hematitic alteration holes); chloritic

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Feet		DESCRIPTION
FROM	TO	
	cld	Fractures and slips (+/- hematitic alteration), mainly @ 15-30°, 50-60° to C.A., plus some @ 0-5° to C.A., 1-3/foot but locally 5-7/foot (near 249-250' and 266-276'); occasional epidote alteration veinlets and some epidolized felsic laminations
		237-239' - fairly numerous, small, short, pinkish carbonate "crackle" gaskes up to 1mm wide
		240-240.5' - breccia veinlet with chloritic matrix and wall rock clasts, 0.2-1cm wide @ 15° to C.A.
		248.5' - 1-2mm wide x 1.5' long chloritic breccia veinlet @ low angle to C.A., partly offset by high angle fractures/slips near 249'
		250.3-251' - chloritic breccia veinlet @ 10° to C.A. with a tangential pink carbonate-quartz veinlet (+/- Chalcopyrite) @ 0° to C.A.
		267-268' - carbonate-quartz veinlet (+/- Chalcopyrite) @ 20-35° to C.A.
		272.5-273' - as for 267-268'
		276' - Albite alteration veinlet
		279.3' - Slip +/- carbonate-hematite @ 15° to C.A., sub-parallel to bedding, cross-cuts and offsets a carbonate veinlet with hematitic halo @ 60° to C.A.
		280' - Albite alteration veinlet

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HOLE No. RL 94-01 (Deepened)

Feet		DESCRIPTION
FROM	TO	
		290' - Carbonate veinlet with chalcopyrite @ 20° to C.A.
		293-293.6' - Chloritic breccia veinlet parallel to bedding, with 0.1-2cm wall rock clasts, cut by a few carbonate gashes and some hematitic carbonate fracture fillings
298.8	305	FRACTURE ZONE IN GONGANDA FORMATION WACKES driller reports a seam near 299'; some pieces with small carbonate gashes; some bedding @ ~15° to C.A.; broken core; 50% lost core
		~303'(+/-) - Chlorite-epidote veinlet with bleached halo (pinkish), cuts bedding @ ~15° to C.A.
305		End of hole
		Frank H. Toews
		Frank H. Toews
		Geologist

D.P.H. LEGEND

3 Missing Gabbro

GOMANDA FORMATION

1 Macke

a - massive

b - laminated to thinly bedded

(Abbreviations where applicable)

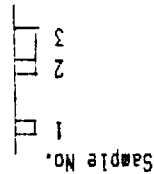
- Ab Albitization
- Carb Carbonate
- Chl Chlorite
- Epi Epidote
- h Hematitic
- Sil Silicification
- Cp Chalcopyrite
- Fo Pyrrhotite
- Py Pyrite
- Mag Magnetic
- qv Quartz veins
- qcv Quartz-carbonate veins
- Frac Fractures

Bedding orientation  
(relative to core axis)

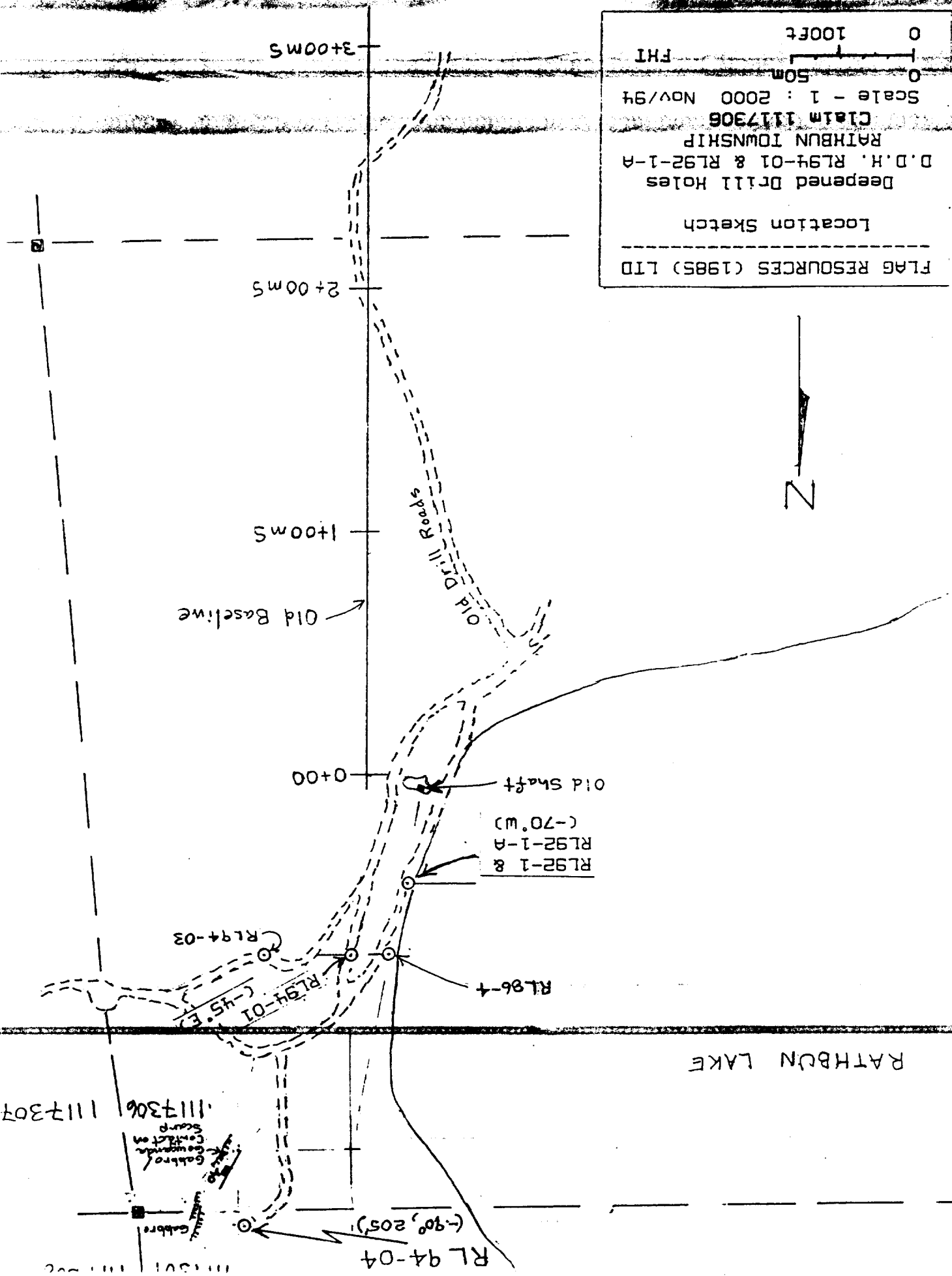
Foliation  
(relative to C.A.)

Fault or mud seam  
(relative to C.A.)

Other structures



FLAG RESOURCES (1985) LTD  
 Location Sketch  
 Deepened Drill Holes  
 D.D.H. RL94-01 & RL92-1-A  
 RATHBUN TOWNSHIP  
 Claim 1117306  
 Scale - 1 : 2000 Nov/94  
 FHI  
 0 100ft  
 0 50m



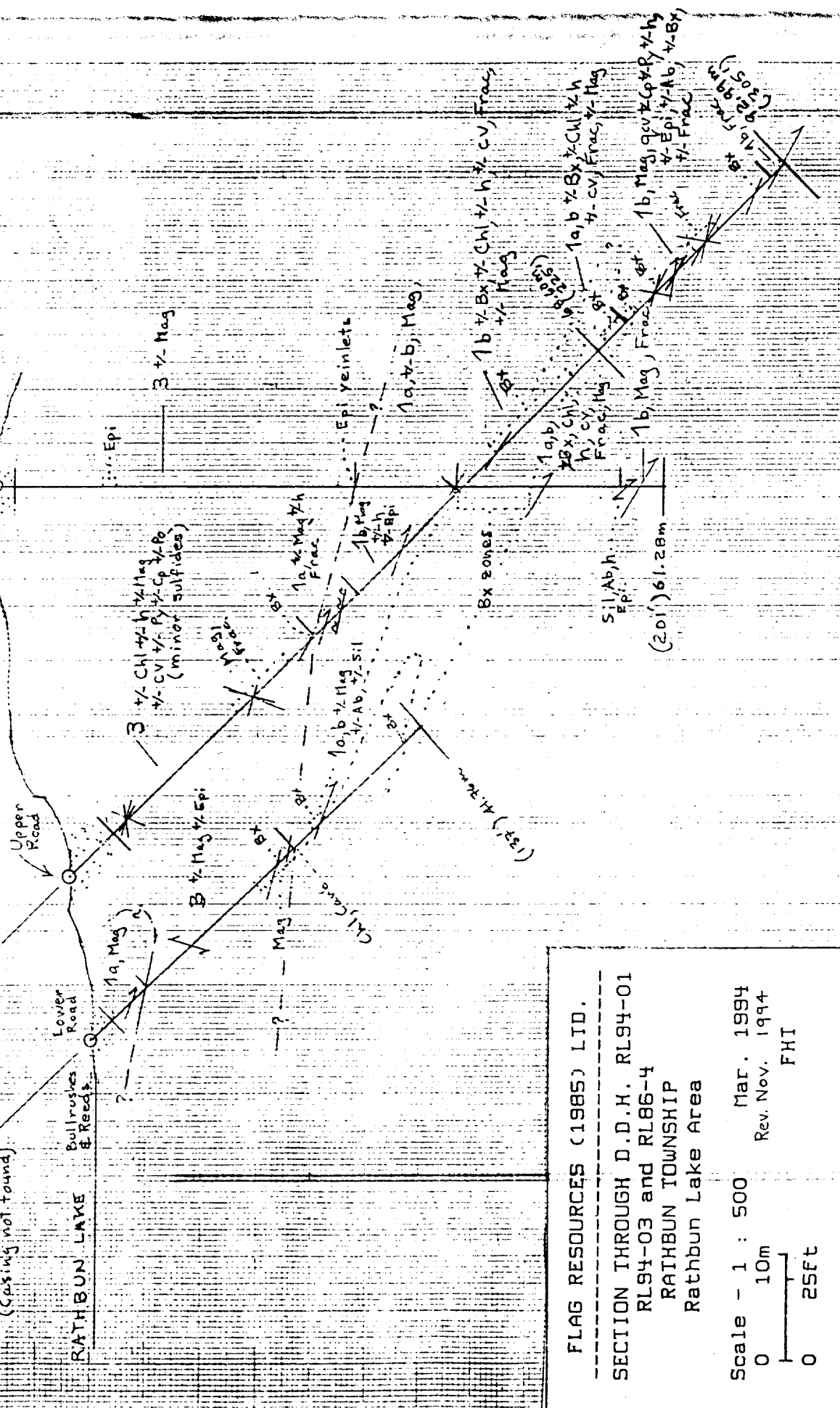


Azi 090°

RL94-03 (-90°)

RL94-01 (-45°)

RL86-4 (-45°)  
(Casing not found)



FLAG RESOURCES (1985) LTD.

SECTION THROUGH D.D.H. RL94-01  
 RL94-03 and RL86-4  
 RATHBUN TOWNSHIP  
 Rathbun Lake Area

Scale - 1 : 500      Mar. 1994  
 0      10m      Rev. Nov. 1994  
 0      25ft      FHI



# Diamond Drill Record

Title No. RL 2-1-A  
(Deepened from 2000)

Company <b>FLAG RESOURCES (1985) LTD.</b>	Collar Elevation 2-3' above Rathbun L. Elev. Dip of Hole -66° @ 2000' Core size BQ	Heading of hole from true North Az. ~ 270° Logged by Frank H. Toews, B.Sc.	Map Reference No. Claim Map G-4093	Claim No. 1117306 Location RATHBUN TWP. - SW 1/4 of N 1/2 of Lot 9, Conc. 4; collar on lower drill road, ~ 38 m @ ~ 008° from old shaft
Date Hole Started NOV. 4/94	Date Completed NOV. 23/94			
Drilling Company Erana Mines Ltd., Lively, Ontario				

Feet FROM	TO	DESCRIPTION
		CORE - STORED ON SITE
		Hole deepened at request of M.C.M. to check on Pyrrhotite mineralization in pebbly wackes
		Driller reports that bottom 50' of hole had to be cleaned out before drilling commenced at 2000'
		Hole was making water at casing. Hole drilled in feet.
		Driller reports temporary loss of water pressure ~ 2140-2141'
		Casing left in hole; core stacked ~ 60m northeast of site, east of drill road
		Acid Dip Tests: -62° (?) @ 2150' (rough etc)
		-62° @ 2270'
		-60° @ 2500'
2000	2137	GOWGANDA FORMATION - PEBBLY WACKE + MICROBRECCIA + SUDBURY-TYPE BRECCIA Non-magnetic (except for Pyrrhotite); fine to medium (< 0.5mm) grained, medium to lighter greenish grey matrix which is variably hard to moderately hard to locally very hard; 2-5% granules and pebbles up to 5cm in size (mainly 0.2-2cm) which are rounded to sub-angular to angular; greyish granitic to dioritic, dark greenish metabasitic & metavolcanic, pale to dark greenish grey to grey metasedimentary; some quartz, occasional schist or gneissic pebbles; occasional small cobble; scattered through out are minor to locally numerous (5-10% over ± 1'), 2-3% overall, irregular to ragged to more

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Feet	DESCRIPTION
FROM	TO
cfd.	<p>uniform, dark green to black chlorite veinlets <sup>granules</sup> and fracture fillings <sup>mainly</sup> to 2 mm wide, anastomosing to branching to locally bulging to <math>\leq 5</math> mm, &amp; locally (&lt;15 cm) forming "crackles" &amp; microbreccia with tiny wall rock clasts; the chloritic veinlets vary from sub-parallel to 70° to C.A. (core axis) but are often 15-50° to C.A.; a few contain (partially) injected quartz-carbonate &amp; some are cut by quartz +/- carbonate (1/2 Pyrite, Pyrrhotite or Chalcopyrite) veinlets &amp; later fractures; chlorite veinlets occasionally contain disseminations or small veinlets of Pyrite or Pyrrhotite (1/2 quartz-carbonate); Scattered (1%) grey to white (occasionally pinkish) quartz-carbonate veinlets &amp; gas holes &lt; 0.5 mm to 5 mm wide, @ sub-parallel to 70° to C.A. (often 20-40° to C.A.), which locally form a breccia near 2055'; veinlets sometimes contain Pyrite &amp;/or Pyrrhotite &amp;/or Chalcopyrite as disseminations, and small veinlets</p> <p>Fractures (1/2 chlorite +/- quartz-carbonate) @ 15-70° to C.A. (mainly 20-40° to C.A.) <math>\leq 1/2</math> to locally 5/foot (average &lt; 1/foot) Some contain scaley &amp;/or disseminated Pyrite, whether or not chlorite or quartz-carbonate is present on the fractures; Sulfides also generally occur in wacke matrix as sparse disseminations; sulfides partly (weakly) replace some granules &amp; pebbles as internal and marginal disseminations (very occasional rims on small granules), and occur as fracture fillings or small veinlets; Pyrite predominates and Pyrrhotite first observed near 2011', first Chalcopyrite 2017', Trace to locally 1/2% sulfides (average &lt; 1/8% sulfides)</p>

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Feet		DESCRIPTION
FROM	TO	
	ctd.	Sudbury Breccia veins occur first near 2069'
2000.8	2002	Fractures @ 60-65°, 25° to C.A. (1/2 Pyrite scales); high angle fractures cut two cross-cutting quartz-carbonate veinlets/gashes, 1 mm wide @ 30° & 40° with some Pyrite, A/foot
2003.8		3 cm. wide, moderately soft, sericitic Sudbury Breccia vein with irregular contact @ 55-60° to C.A.; flowage features present, ragged clasts present, and small terminating apophyses penetrate a 4 cm wide, parallel chloritic alteration band below; the band is cut by a parallel (50° to C.A.) carbonate-sericitic-scaley Pyrite fracture with an opposing (up-hole) fracture @ 35° to C.A., cutting the breccia also; the down-hole, irregular margin of the chloritic band is paralleled by small irregular quartz-carbonate veinlets/gashes; minor disseminated Pyrite is present in the breccia and the band
2008.3	2009.8	Several fractures @ 60-65° with disseminated Pyrite and 50° and 60° to C.A. with quartz-carbonate + scaly Pyrite; 50° fracture is a slip opposed to the other fractures; fractures cut and parallel a few chlorite veinlets
2019	2020.7	Several chloritic fractures (parallel to opposed) with scaly Pyrite + carbonate @ 15°, 25° to C.A.

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Feet		DESCRIPTION
FROM	TO	
2022.5	2025.4	Late fractures @ 40-50° to C.A. (occasionally with scaly Pyrite, sometimes along chlorite veinlets) intersect with, &/or cross-cut, fractures with chlorite + scaly Pyrite + quartz-carbonate, and some white to grey to pink quartz-carbonate veinlets/gashes < 0.5-2 mm wide @ 50-60° with a little Pyrite +/- Chalcopyrite or Pyrrhotite; the quartz-carbonate veinlets also cut anastomosing chlorite veinlets and micro-breccia which are locally numerous in central part of section. (a small Pyrite veinlet occurs along part of one microbreccia veinlet); fractures 3-6/foot
~2026.4		Pink to grey quartz-carbonate veinlet @ 1-2 mm wide @ 50° to C.A. with some Pyrite, Chalcopyrite and Pyrrhotite
2028.	2031.3	in ten, hairline to 1 mm wide, grey to white, mainly sub-parallel, quartz-carbonate veinlets/gashes @ 15-35° to C.A. containing some Pyrrhotite &/or Chalcopyrite &/or Pyrite; 1/2% sulfides present
		2031.3' - 5 mm (±) wide, banded, white to grey to pink quartz-carbonate veinlet @ 55° to C.A. (opposed to other veinlets) with 10% internal parallel veinlets of Pyrite and Pyrrhotite and some disseminated Pyrrhotite and Chalcopyrite; host pebbly wacke silicified for ~0.4' above and 0.8' below veinlet
2034.5		≤ 1 mm wide pink to grey quartz-carbonate veinlet with Pyrrhotite - Chalcopyrite @ 35° to C.A.; cuts some chlorite veinlets

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Feet		DESCRIPTION
FROM	TO	
2034.7		Small Pyrrhotite veinlet in some chlorite microbreccia veinlets
2037.3	(4)	Chlorite-carbonate fracture with scaly Pyrite and a soft grey halo followed by chlorite margins @ 10-15° to SA, cuts through zone of sub-parallel to sub-perpendicular chlorite veinlets/microbreccia
2038.3	2039	Two, 1-2 mm wide pink to white to grey quartz-carbonate veinlets @ 55° to SA.
	one	with Pyrrhotite-Chalcopyrite and the other with Pyrite; several other similar veinlets occur (in opposition to the outer veinlets) @ 20-30° to SA.
		but appear barren; some disseminated Pyrrhotite. † Chalcopyrite in wackes in the zone
2043.8		Dark soft chlorite vein (partly a mafic pebble?) up to 3-5 cm wide, but splits into ragged chlorite veinlets 1-3 mm wide (on one side of core) joining the more massive portions; contains disseminated to ragged disseminated Pyrrhotite (5%) (some in wacke adjacent to vein); margins of the massive portions also show tiny chlorite apophyses; orientation of vein @ 45-60° to SA; some astonishing chlorite veinlets and <sup>also</sup> several quartz-carbonate veinlets († Pyrite) @ 25° to SA, are present in vicinity
2045.6	2047.5	4, quartz-carbonate veinlets / fracture fillings / gashes @ 25-35° to SA, with some Pyrrhotite-Chalcopyrite, or Pyrite; cut some chlorite veinlets and microbreccia which occasionally contains a little Pyrrhotite

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Feet		DESCRIPTION
FROM	TO	
2047.5	2054.6	2% (+) anastomosing chlorite veinlets +/- microbreccia generally @ low angles (5-20°) to C.A. (but varying from 0-65° to C.A.) occasionally with minor Pyrrhotite in/near veinlets and occasionally visible in some pebbles and granules a few fractures with quartz-carbonate-scales Pyrite @ 10°, 25° to C.A. parallel to cross-cutting the chlorite veinlets below 2051'
		2053.9' - 2-3 mm wide quartz-carbonate veinlet @ 25° to C.A., cross-cuts chlorite veinlets/microbreccia @ 0-10° to C.A.
		2054.3-2054.6' - broken core due to fractures (+/- chlorite +/- quartz-carbonate +/- scaly Pyrite) @ 10-25°, 55° to C.A.
2054.6	2057	Silicified, very hard pebbly wacke; broken core in part due to fractures @ 50-60° to C.A. (a few with scaly Pyrite)
		2054.8-2056.3' - ~20% milky to grey quartz veining & breccia (<1% sulfides) @ ~25° to C.A.; with breccia occurring over about 0.7' from ~2055.3'; breccia contains about 40-50% angular silicified wacke fragments (some chloritized) and occasional bleb or disseminated Pyrrhotite in quartz or fragments and a small Pyrrhotite-Chalcopyrite quartz offshoot from the breccia; a pinkish quartz-carbonate patch < 4cm in size also occurs in the breccia; quartz veinlets 2-4 mm wide occur @ ~25° to C.A., marginal to breccia, one (4 mm wide) near 2056.2' contains 10% rags, patch and

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Feet		DESCRIPTION
FROM	TO	
	c/d.	disseminated Pyrite; a fine Pyrite fracture filling @ ~55° to C.A. also cuts breccia
2057.6		1 mm quartz-carbonate +/- Pyrrhotite veinlet @ 20° to C.A.
2064.2	2079	Variable, but about 5% chlorite veinlets/microbreccia veinlets in pebbly wackes; veinlets anastomosing @ 20-70° to C.A.
		2064.7 - 2065.2 - brecciation, veinlets and microbreccia veinlets, plus shearing in veinlets, is fairly strong about a 3-7 cm grey granitic pebble with a 2-3 mm wide, grey Sudbury Breccia veinlet along up-hole contact of pebble @ 55-60° to C.A. (flowage in Sudbury Breccia); relationships with Sudbury Breccia and chlorite veinlets not clear, but pebble is partly invaded by chlorite veinlets, and a quartz-carbonate (+/- Pyrite - Chalcopyrite) veinlet cuts some of the chlorite veining/microbrecciation in host wackes and is partly along down-hole, irregular pebble contact; the quartz veinlet is opposed to the Sudbury Breccia and is oriented @ 60° to C.A.
		2068.8' - 2 mm quartz-carbonate +/- Pyrrhotite veinlet @ 50° to C.A. cuts chlorite veinlets and is sub-parallel to Sudbury Breccia vein below
		2069.1 - 2069.6' - 0.5-2 cm wide medium grey Sudbury Breccia vein @ ~25° to C.A.; fine grained with a few tiny clasts; anastomosing chlorite/microbreccia veinlets

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Feet		DESCRIPTION
FROM	TO	
		in surrounding host pebbly wacke, are in part parallel and along contact with Sudbury Breccia but do not appear to cut Sudbury Breccia
2079.1	2080.1	Sudbury Breccia with subparallel contacts @ 30° and ~20° to C.A.; soft, chloritic, dark gray, fine grained matrix with flowage; some light grey bleaching about some wacke clasts, which are rounded to elongate (some cusped, some flange) < 1 mm to 10 cm in size; ~15% clasts; quartz-carbonate veinlet (1-2 mm wide) + slips, 1 cm. above and parallel to down-hole contact; also, microbrecciation and chlorite veinlets occur in pebbly wacke above 2079' with variable orientations sub-parallel to sub-perpendicular to the contact of Sudbury Breccia
2080.8		Two parallel, fine quartz-carbonate v. Pyrrhotite veinlets @ 25° to C.A. (opposed to breccia above)
2084.2		Similar to 2080.8
2099.2	2119.2	About 20' <sup>veinlets</sup> white to pink to gray quartz-carbonate (v. Pyrrhotite + Chalcocite or Pyrite) 1-2 mm wide @ 45°-55°, 25-30°, 65° to C.A.; ≤ 4/foot, also a few fractures v. carbonate + scaley Pyrite @ 10-15°, 35° to C.A. (often parallel); occasional Pyrrhotite-Chalcocopyrite in pebbles
		2109-2112' - mechanically crushed and broken core; occasional Pyrrhotite-quartz-chalcocite veinlet in core
		2102.7' - 11 cm cobble



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Feet		DESCRIPTION
FROM	TO	
	c/d.	2118.7-2119.2' - thinly bedded-laminated wacke with a few small pebbles and gravelles; bedding @ 65-70° to C.A., cross-cut & offset by some chlorite veinlets; bedding cross-cut by a 1 mm quartz-carbonate (+/- Pyrrhotite-Chalcopyrite) veinlet @ 55° to C.A. which would also intersect with or be cross-cut by a fracture with scaly Pyrite @ 35° to C.A.; some gravelles and pebbles with disseminated Pyrrhotite +/- Chalcopyrite
2120.3		2 cm of bleached wacke parallel to contact with Sudbury Breccia vein @ 40° to C.A.; 2 mm quartz-carbonate veinlet on contact
2120.4	2121	Sudbury Breccia vein, similar to above
2121.2	2124 1/2	5-10% anastomosing chlorite veinlets / microbreccia; 2123.3' - a 2 cm wide Sudbury Breccia vein @ 55° to C.A. (dark chloritic to light greens, flowage in matrix + clasts) appears to truncate some low-angle chlorite veinlets; a few quartz-carbonate veinlets 1-5 mm wide @ 50-60° to C.A.
2125.1	2126.7	Several, 1-2 mm wide, quartz-carbonate (+/- Chalcopyrite +/- Pyrrhotite) veinlets @ 50-60°, 45° to C.A.
2135.2	2135.6	Dark grey, soft, massive alteration band @ ~70-75° to C.A.
2130	2137	Fractured zone (continues into unit below); fractures (+/- carbonate +/- chlorite) @ 25-35°, 45-50°, 60-70° to C.A.; 3-8 / foot; a few quartz-carbonate veinlets @ 50-60° to C.A.

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Feet	DESCRIPTION
FROM	TO
2137	<p>GOWGANDA FORMATION - PEBBLY WACKE +/- OCCASIONAL SUBBURY-TYPE BRECCIA</p> <p>Similar to previous unit but fewer pebbles and granules (1-2%, locally &lt; 5%) and only an occasional chlorite veinlet; some scattered white to grey to pinkish quartz-carbonate veinlets (+/- Pyrite or sometimes Pyrrhotite-Chalcopyrite) <math>\approx</math> 2 mm wide; generally trace to locally minor (&lt; 4%) disseminated Pyrite +/- Pyrrhotite in matrix sometimes observed to replace small granules; matrix is moderately hard to moderately soft; fracture zones present; driller reports temporary loss of water pressure in vicinity of about 2140-2141', hole making more water again; Subbury-type Breccia veining below: 2163', usually soft-moderately soft and variably dark greenish greys to light greenish greys (chloritic to sericitic), with flow lines, occasionally with minor sulfide disseminations (mainly Pyrite) and sometimes cut by quartz-carbonate veinlets; Rocks are non-magnetic (except for Pyrrhotite)</p>
2137.5	<p>Fractured; mainly 3-6' / foot; fractures (+/- Carbonate +/- Chlorite +/- a little scale Pyrite) @ 15-25°, 30-35°, 55-65° to C.A.</p>
2156	<p>2139-2141.6' - eight, grey to white quartz-carbonate (+/- disseminated Pyrite) veinlets, 1-3 mm wide @ 55-65°, occasionally 15° to C.A.; one at 2140.3' with soft, beige bleaching for <math>\approx</math> 1 cm along up-hole contact @ 55° to C.A.</p>

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Feet		DESCRIPTION
FROM	TO	
	ctd.	2142-2142.7' - patch of granodioritic cobble
		2145.8-2147.1' - 11 pinkish grey to white quartz-carbonate veinlets < 1-2 mm wide (occasional Pyrite) @ 60-65° and 30-35° (some gash-like)
		2149.6-2155.3 - seven 1-2 mm wide grey to white quartz-carbonate (+ Pyrite) veinlets @ 55-65°, 30° to C.A.; fractures 2-3' / foot
2157.8	2160.8	Core of ten fractures @ 75-80° to C.A.; 12' / foot (chloritic, locally vuggy near 2158.1-2158.3) between 2158-2159'; 6 quartz-carbonate veinlets (+ Pyrite + Pyrrhotite), < 1-3 mm wide @ 40-45°, 50-60°, 30° to C.A.
2162	2163.7	Slip @ 15-5° to C.A. with carbonate, followed by sub-parallel fractures @ 25-35° to C.A. plus a couple of slips @ 65-70° to C.A.; 8' / foot; minor Sudbury Breccia veinlets
2164.6	2164.8	4 chloritic slips @ 65-70°, 80° to C.A.
2165	2166.5	Sudbury Breccia, contacts in 25° and 45° to C.A. (sub-parallel contacts)
2166.5	2170.	Pebbly wackes, weakly foliated for the most part @ ~ 45° to C.A., parallel to contact at 2166.5'
2170		0.2' Sudbury Breccia vein @ 35° to C.A.
2171.8		light greenish grey Sudbury Breccia vein @ 45-50° to C.A. (opposed to 2170' vein); minor Pyrrhotite disseminated in Breccia and host wacke and in a 2 mm wide quartz-carbonate veinlet @ 35° to C.A. (would cross-cut breccia) at 2171.7'

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Feet		DESCRIPTION
FROM	TO	
2173	2174.2	8 chloritic fractures (+/- slips) @ 35-40°, 50-60°, 30° to GA, (sub-parallel)
2175	2181.6	Sudbury Breccia veins between 2173.3 and 2174.2 Fractures (and mechanically broken core sections due to low angle fractures) +/- quartz-carbonate +/- Pyrite scales @ 5-15° to CA,; fractures sometimes cut a few 1-2 mm wide quartz-carbonate veinlets (+/- Pyrite +/- Chalcopyrite disseminations) @ 40-60° to CA.
2183.5	2184.7	< 1/2% disseminated Pyrite (some cubes) and two 2-4 mm wide quartz-carbonate veinlets (+/- Pyrite +/- Chalcopyrite) @ 50° and 65° to CA.
2191.3	2191.9	Sudbury Breccia cross-cut by 3 mm wide, grey to white quartz-carbonate (+/- Pyrite disseminations) @ 60° to CA. near 2191.3'
2193.1		Disseminated Pyrite, Pyrrhotite & Chalcopyrite (?) on fracture @ 70° to CA.
2194		< 0.2' wide, coarse grained grey to milky to white quartz-carbonate vein @ 50-55° to CA. Minor Pyrrhotite disseminations and a little chlorite; are irregular to more uniform, soft, bleached (light grey) halo 0.5-2 cm wide borders the vein
2195.4	2199.8	5-10% scattered Sudbury Breccia veining @ 25-65° to CA; a few quartz-carbonate veinlets < 1-2 mm wide (+/- minor Pyrite) @ 60°, 30-40° to CA.
2200.4	2201.4	Mechanically broken, crushed core

HOLE No. RL 92-1-A

Feet		DESCRIPTION
FROM	TO	
2203 1/2	2295 7/8	<p>GOWGANDA FORMATION - PEBBLY WACKE +/- CHLORITE VEINLETS/MICROBRECCIAATION                      +/- SODBURY-TYPE BRECCIA VEINING + FRACTURE ZONES                      Non-magnetic (except for minor Pyrrhotite); medium to lighter greenish grey; similar to previous units; 2-3% pebbles and granules up to 3 cm. in size, very occasionally replaced by a little Pyrrhotite; minor disseminated Pyrite +/- Pyrrhotite in wacke matrix, which is variably moderately hard to hard to moderately soft; Scattered (&lt;1% to 5%) dark chlorite veinlets +/- shears/micro-breccia veinlets @ 0-70° to C.A. as previously described;                      Scattered Sudbury Breccia veining, 1.5 cm to 15 cm wide, @ 25° to 70° to C.A. (sometimes with opposing vein contacts), mostly medium to dark, chloritized matrix with greenish grey flow lines, stretched clasts and rounded to elongated wall rock clasts; minor disseminated Pyrite, occasionally Pyrrhotite, present;                      Few, scattered, grey to white, occasionally pink, quartz-carbonate +/- Pyrite +/- Pyrrhotite +/- Chalcopyrite veinlets &lt; 1-5 mm wide @ 25°, 35-40°, 50-60° to C.A.                      Fractures +/- slips +/- Chlorite +/- Carbonate +/- Scaly Pyrite @ 10° to 70° to C.A., ≤ 1/2' to 2-3'/foot (occasionally 6'/foot); low-angle (10-35°) fractures, often have some scaly or disseminated Pyrite</p>

# Diamond Drill Record

HOLE No. RL 92-1-A

Feet		DESCRIPTION
FROM	TO	
2205	2205.5	3 quartz-carbonate veinlets, 1-2 mm wide, with chloritic halos; minor Pyrite, Pyrrhotite in veinlets @ 55° and 35° (sub-parallel)
2205.5	2231.4	3-5% (locally 10%) anastomosing to braided or branching chlorite veinlets, <sup>(4-sweating)</sup> for microbreccia veinlets, < 1-5 mm wide of ten @ 30-50° to C.A. (also 0-70° to C.A.) some <sup>veinlets</sup> by, or cross-cut by, quartz-carbonate veinlets
		2205.8-2206.2 - Sudbury Breccia veinlets, 0.2-3 cm wide, sub-parallel <sup>(2-5mm)</sup>
		@ ~40° and 55° to C.A., the latter 1.5-3 cm wide with argapophysis at ~50° (opposed); the smaller two veinlets are paralleled by, and cut by, anastomosing net-work of chlorite veinlets
		2207.1-2208' - Sudbury Breccia with contacts @ 70° and 50° to C.A. / sub-parallel to previous Breccia veinlets above
		2209-2215.6' - about 7 greytonite quartz-carbonate veinlets, < 1-3 mm wide, sub-parallel @ <sup>mainly</sup> 50-55°, occasionally 30°, 15° to C.A.; often with a little disseminated Pyrrhotite for Chalcopyrite; veinlets cut chlorite veining
		2219.9' - 0.2-1 cm wide, wavy, dark chloritized, soft, Sudbury Breccia veinlet @ 0-10° to C.A. with flow lines, (opposed to breccia vein below cuts?) chlorite veinlets
		~2220-2220.3' - Sudbury Breccia @ 50° to C.A. with flow lines, some small clasts, and minor disseminated Pyrrhotite
		2225.5-2226.3' - Sudbury Breccia with contacts sub-parallel @ 65° and 45° to C.A., contains a larger host rock clast 0.3' in size with anastomosing

# Diamond Drill Record

HOLE No. RL 92-1-A

Feet FROM	TO	DESCRIPTION
		Chlorite veinlets; the down-hole (45°) contact is cross-cut by a fracture @ 25° to C.A. with scaly Pyrite, and is partly cut by a < 1 mm wide quartz-carbonate veinlet @ 60° to C.A. (sub-parallel to breccia)
		2228.2' - grey to white, 2 mm wide quartz-carbonate veinlet (1/2 disseminated Pyrrhotite) @ 45° to C.A.; veinlet would intersect Sudbury Breccia below and a fracture with scaly Pyrite above @ 20° to C.A.
		2228.5' - < 1 cm wide Sudbury Breccia veinlet @ 65-70° to C.A., cut by a sub-parallel, chloritic slip @ 70° to C.A.
2237(1/2)	2273'	Fractures (1/2 slips 1/2 scaly Pyrite 1/2 carbonate 1/2 chlorite) @ 5-20°, 30-35°, 45-60°, 70° to C.A., 2-6' / foot (average 2-3' / foot); strongest between 2249-2266' (3-6' / foot); fractures sub-parallel and cross-cutting; the low-angle fractures (10-45°) more frequently contain scaly Pyrite; also a few scattered grey-white quartz-carbonate (1/2 Pyrite) veinlets @ 10-25° to C.A. parallel to and cross-cut by fractures; 2237-2238.6' - 6 fractures (1/2 Pyrite) @ 30-35° to C.A.
		2238' - 7 cm cobble
		2238.7 - 2239.3' - < 1 mm quartz-carbonate - Pyrite veinlet, irregular @ 0-10° to C.A., opposed to, and intersecting with, a 2 mm wide quartz-carbonate - Pyrrhotite veinlet @ 35° to C.A. at 2239.3'
		2241.3' - disseminated Pyrrhotite in pinkish, 5 mm, quartz-carbonate veinlet @ 60° to C.A.

# Diamond Drill Record

HOLE No. R L 92-1-A

		DESCRIPTION
Feet	FROM TO	
		2243 - 2243.2' - Sudbury Breccia @ 30-35° to C.A., cut by a fracture with scaly Pyrite @ 5-10° to C.A.
		2243.2' - gray granitic cobble 0.7' long
		2262.3 - 2262.8' - Sudbury Breccia vein, 1.5-2cm wide @ 25-25° to C.A. cross-cut by 3 fractures (1/2-Scaly Pyrite) @ 35-40° to C.A.
2277 (1/2)	2295 1/2	Fracture zone - Fractures (1/2-slips, 1/2-chlorite, often with some scaly Pyrite) @ 50-60°, 35-45°, occasionally 15-20° to C.A., 3-6(+) / foot, some broken core, possibly a couple of mud scars present on fractures in central parts; 2-5% anastomosing chlorite veinlets/shears / microbreccia @ 10-70° to C.A. hairline to several mm wide; two, 0.5-2cm wide, Sudbury Breccia veinlets between ~2288.3-2289.3'
		Disseminated and small ragged Pyrrhotite replacing or partly replacing some granules and pebbles, in some chlorite veinlets and sometimes in Sudbury Breccia (and occasionally as veinlets, 1/2-Pyrite, Chalcopyrite and quartz-carbonate), mainly from about 2285' down-hole, into next unit, to about 2300' (about 1/4-1/2% Pyrrhotite present below 2285' to about 2300').
2295.7 (1/2)		Contact with zone of Sudbury Breccia veining @ ~30° to C.A.



# Diamond Drill Record

HOLE NO. RL 92-1-A

Feet	DESCRIPTION
FROM	TO
2295.7	2308.7
	SUDBURY-TYPE BRECCIA IN GOWANDA FORMATION PEBBLY WACKE (CHLORITE VEINLETS/MICROBRECCIA)
	Sudbury Breccia is soft - moderately soft, dark to medium greys with light greenish grey(s) flow lines which are more regular to contorted & some of matrix (clasts) is tan to light greys (bleached); occasional light green alteration veinlet cuts dark matrix; clasts of host wacke vary from < 1 mm to 1' in size, are rounded, oval to stretched & some of the larger clasts contain numerous quartz-bearing chlorite veinlets; occasionally breccia matrix (and clasts) contains minor disseminated Pyrrhotite; occasional grey-white, quartz-carbonate (γ-chlorite halo) veinlet cuts breccia; breccia is non-magnetic
2295.7	2296.8
	Sudbury Breccia; some banded to tan alteration (soft) along up-hole contact and in some flow bands
2296.8	2299.7
	Medium-light greenish grey pebbly wacke with fairly numerous, quartz-bearing chlorite veinlets/microbreccia @ 10-50° to C.A.; ≤ 2% Pyrrhotite mineralization as describe above for 2285; also a few Pyrrhotite veinlets ≤ 0.5 mm wide @ ~20, 60° to C.A.; one quartz-carbonate veinlet ≤ 1 mm wide @ 55° to C.A. with Pyrite & Chalcopyrite, Pyrrhotite; some local thinly laminated (shears?) wacke @ 10-15° to C.A.

# Diamond Drill Record

HOLE No. RL92-1-A

Feet FROM	TO	DESCRIPTION
2299.7	2308.7	Sudbury Breccia; some clasts reach 1' in size; vein contacts @ ~15-50° to C.A.
		2308.7 - contact @ 35° to C.A. with unit below
2308.7	2470	GOWANDA FORMATION - TEBBLY WACKE +/- CHLORITE VEINLETS / MICRO-BRECCIA +/- SUDBURY-TYPE BRECCIA VEINLETS
		Non-magnetic (except for minor Pyrrhotite); medium to lighter greenish greys; fine to medium grained, moderately soft to hard matrix, with 1-3% (locally 5%) pebbles (grey granitic, metagabbroic, metasedimentary, quartz, occasional gneiss and schist) and gravels, 0.2-6 cm in size (average < 1-2 cm) and occasional small cobble $\leq 7$ cm in size; Scattered chlorite veinlets <sup>(streaking)</sup> hairline to 5 mm wide, sub-parallel to branching to quartz veining plus microbrecciation; @ 5-70° to C.A., often $\leq 1\%$ but locally up to 10%.
		Some scattered grey to white quartz-carbonate veinlets @ 10-50° to C.A. occasionally with Pyrrhotite +/- Chalcopyrite; veinlets < 1-3 mm wide;
		Occasional Sudbury Breccia veinlet < 5 mm to 2 cm wide
		Fractures +/- slips ( +/- chlorite +/- carbonate +/- occasional scaly Pyrite) @ 25-35°
		50-60°, 70°, 10-15° to C.A., < 1/3 feet to 2-4 feet
		Trace to locally 1/4% Pyrrhotite +/- Chalcopyrite disseminated in matrix and in

Diamond Drill Record

HOLE No. RL 92-1-A

Feet		DESCRIPTION
FROM	TO	
2295.7	2308.7	SUDBURY-TYPE BRECCIA IN GOWGANDA FORMATION PEBBLY WACKE (CHLORITE VEINLETS/MICROBRECCIA) Sudbury Breccia is soft - moderately soft, dark to medium greys with light greenish grey(s) flow lines which are more regular to contorted & some of matrix (clasts) is tan to light greys (bleached); occasional light green alteration veinlet cuts dark matrix; clasts of host wacke vary from < 1 mm to 1' in size, are rounded, oval to stretched & some of the larger clasts contain numerous unstaenosing chlorite veinlets; occasionally breccia matrix (and clasts) contains minor disseminated Pyrrhotite; occasional grey-white, quartz-carbonate (γ-chlorite halo) veinlet cuts breccia; breccia is non-magnetic
2295.7	2296.8	Sudbury Breccia; some beige to tan alteration (soft) along up-hole contact and in some flow bands
2296.8	2299.7	Medium-light greenish grey pebbly wacke with fairly numerous, unstaenosing chloritic veinlets/microbreccia @ 10-50° to C.A.; ≤ 2% Pyrrhotite mineralization as described above for 2285'; also a few Pyrrhotite veinlets ≤ 0.5 mm wide @ ~20, 60° to C.A.; one quartz-carbonate veinlet ≤ 1 mm wide @ 55° to C.A. with Pyrite & Chalcopyrite, Pyrrhotite; some local thinly laminated (shears?) wacke @ 10-15° to C.A.

# Diamond Drill Record

HOLE No. RL92-1-A

Feet	DESCRIPTION
FROM	TO
cfd.	some pebbles and granules, sometimes almost totally replacing some small ( $\leq 3$ mm) granules, & also sometimes visible in chlorite veinlets
2322.8	6 quartz-carbonate veinlets (1/2 Pyrrhotite-Chalcopyrite) @ 25-30°, and one opposed @ 55° to C.A.; 1-2 mm wide
2332.4	3" patch of cobble - grey, granitic
2335.5	Light grey anastomosing silicification veinlets, of few ragged, 1-5 (H) mm wide @ 30-75° to C.A. - about 10-15% veinlets; cut by a few quartz-carbonate veinlets $\leq 1$ mm wide @ 50°, 70° to C.A.
2341.9	Several quartz-carbonate veinlets, 2 mm wide, (2 sheaved), @ 50-55°, 60° to C.A.
2342.6	2 mm Pyrite veinlet (sub-parallel to quartz-carbonate veinlets above) @ 65° to C.A.; followed by locally crushed core (seam?)
2348.7 - 2349.7	Thin beds/laminations (in pebbly matrix) @ 25-45° to C.A., with parallel chlorite veinlets $\leq 1$ mm wide; occasionally with minor Pyrrhotite, which also occurs in some granules and small pebbles
2350.8	Similar to 2348 - 2349; bedding @ ~55-60° to C.A.; some quartz-carbonate chlorite veinlets (irregular, offset, grading soft sediment brecciation?) with a little Pyrrhotite and oriented @ 55-65° to C.A.;

# Diamond Drill Record

HOLE NO. RL 92-1-A

Feet		DESCRIPTION
FROM	TO	
	ctd.	The quartz-carbonate veinlets are cut in part by irregular chlorite veinlets; a 3cm (x) dropstone occurs in the wackes which are fine grained
2360.1	2360.6	Sudbury Breccia vein, $\approx$ 3cm wide, @ 25-15° to C.A.; flow lines; light greenish grey and dark chloritized bands and apophyses
2361		Fracture + mud seam (and local mechanically crushed core) @ $\sim$ 25° to C.A. (opposed to Sudbury Breccia)
2368	2371	Mainly mechanically crushed core; one chlorite fracture with scaley Pyrrhotite @ $\sim$ 25° to C.A. in zone; rocks are pebbly wacke
2401.8	2402.8	Two fractures (opposed) @ 35° and 20° to C.A. with a little scaley Pyrite plus a fine fracture filling with Pyrite @ 0-5° to C.A. between the two fractures
2404.3	2404.8	2-3 mm wide quartz-carbonate-chlorite veinlet with Pyrrhotite-Chalcopyrite @ 15° to C.A.
2406.4	2414.4	2-10% anastomosing chlorite veinlets/micro-breccia; occasionally with minor Pyrrhotite
2418.4	2420	3 Sudbury Breccia veinlets, 2-5 mm wide @ 15-20°, 40° to C.A.; up-hole veinlet @ 20° to C.A. in contact with a parallel quartz-carbonate veinlet (2mm); 2 veinlets chloritized
2425	2425.4	Dark, chloritic Sudbury Breccia vein over 4cm @ 40° to C.A. with apophyses
2420	2440	1-2 mm wide, minor Pyrrhotite; Pyrite veinlet parallel to main part of vein 2-3% chloritic veinlets/microbreccia @ 15-80° to C.A. anastomosing to parallel, some with a little disseminated Pyrrhotite (+ Chalcopyrite) which also occurs in a few pebbles and granules; $\approx$ 1/8% sulfides

# Diamond Drill Record

HOLE No. RL 92-1-A

Feet	DESCRIPTION
FROM	TO
2437	2437.7
	Two bands, 0.3' and 0.1' thick, of laminated wacke (with some granules and small pebbles) partly cut by, and paralleled by, fine chloritic veinlets and microbreccia veinlets; bedding @ 75-80° to C.A.
2444.7	
	Bleached shears in 2cm wide zone @ 60° to C.A. invaded by parallel chlorite veinlet, 4mm wide, parallel to shears; weak brecciation (over 0.2' on up-hole side) by anastomosing and sub-parallel chlorite veinlets
2450	2451
	Mechanically crushed and broken core in pebbly wacke
2451	2454.7
	~ Ten grey white, quartz-carbonate veinlets, 1mm (±) wide, ±-pyrrhotite-chalcopyrite (minor); veinlets <sup>are</sup> sub-parallel to zone below;
2456	2456.6
	Zone of ≤ 10% quartz-carbonate veinlets, @ 25° to C.A.; veinlets parallel to zone and also <sup>irregular</sup> sub-perpendicular to zone; local patchy vein ~ 2cm size. Near up-hole contact; minor disseminated pyrrhotite; host rocks are silicified in/near zone of veining and are generally hard to moderately hard below zone
2458	2462.6
	Five quartz-carbonate veinlets ±-pyrrhotite @ 25° to C.A.

# Diamond Drill Record

HOLE NO. RL 92-1-A

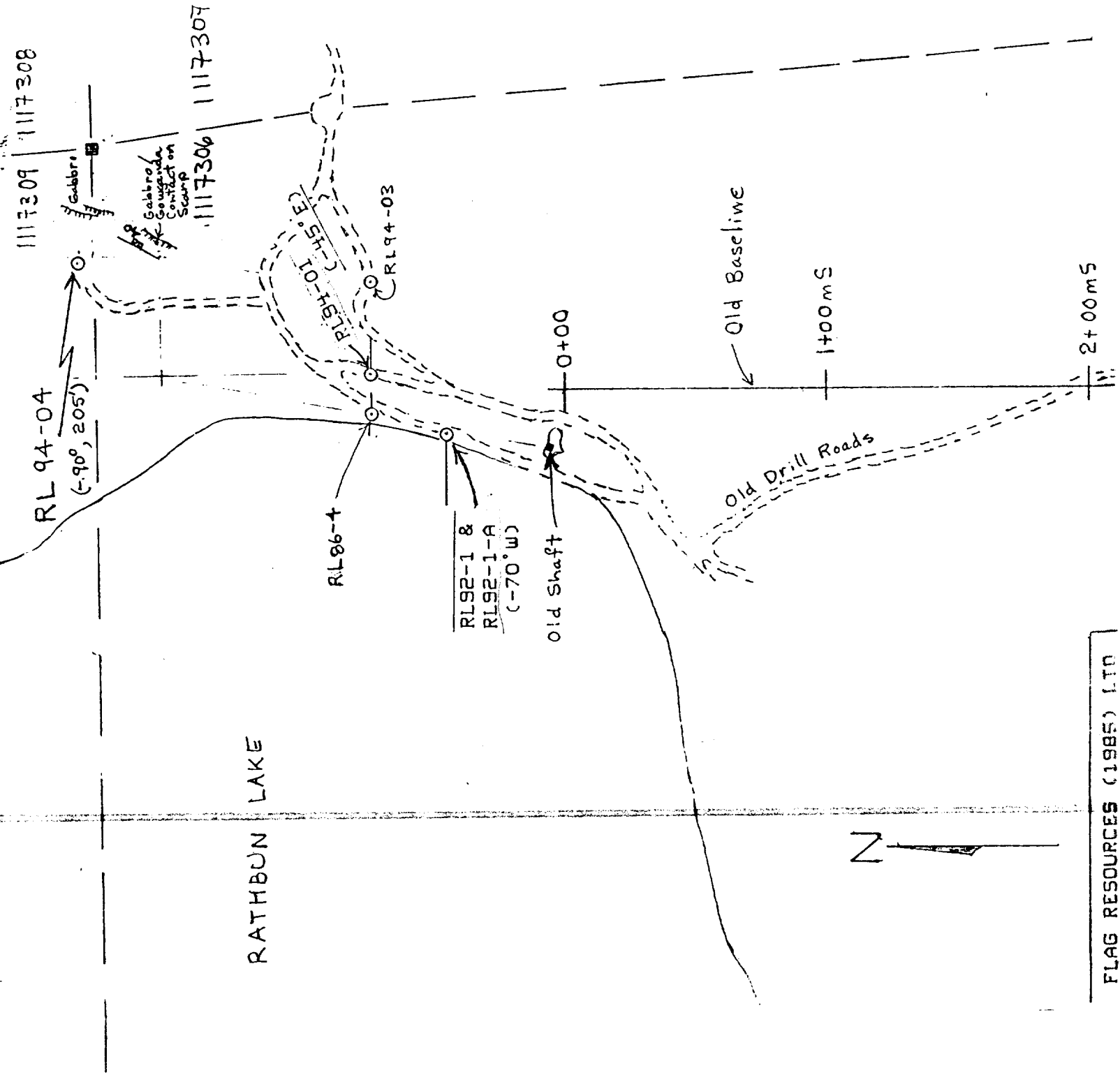
Feet	DESCRIPTION
FROM	TO
2470	2500
	GOWGANDA FORMATION - PEBBLY WACKE
	Non-magnetic (except for Pyrrhotite); greenish greys, hard to moderately hard;
	1-2% pebbles and granules as in previous unit, a few with minor replacement
	Pyrrhotite +/- Chalcopyrite; also minor disseminated Pyrrhotite in wacke matrix;
	a few chlorite veinlets and/or fractures (+/- some Pyrrhotite scales) @ 50-55°
	and 20-30° to C.A.; also, scattered quartz-carbonate veinlets, <sup>some</sup> contain a little
	Pyrrhotite-Chalcopyrite as blebs, disseminations or small veinlets; < 1/4% sulfides
	overall
2471.7	2486
	About 20 scattered grey to white quartz-carbonate veinlets, < 1-2 mm to 5 mm
	wide @ 20° to 35° to C.A.; veinlets are mainly parallel to sub-parallel but
	some in opposition; some contain sulfides
	2472' - 3 mm wide quartz-carbonate veinlet @ 25° to C.A. with 5-10% blebs and
	disseminations of Pyrrhotite-Chalcopyrite
	2479 - 2480' - eight, ≤ 1 mm wide quartz-carbonate veinlets (+/- Pyrrhotite and
	Chalcopyrite) @ 20-25° to C.A., plus one @ 5-10° to C.A. with a parallel chlorite
	veinlet which intersect with the others
	2481.6' - Brecciated zone, 1-2 cm wide @ 40° to C.A. with quartz-
	carbonate in matrix + parallel veinlets; 1-2% disseminated Pyrrhotite, Chalcopyrite

# Diamond Drill Record

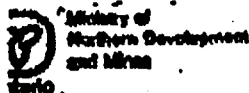
HOLE No. RL 92-1-A

Feet		DESCRIPTION
FROM	TO	
	ctd.	also, 2 mm wide, light green shears, parallel to sub-parallel, on/near breccia zone contact
		2484-2484.6' - Seven, 1-3 mm wide, quartz-carbonate - Pyrrhotite veinlets @ 25-30° to C.A.; Pyrrhotite +/- Chalcopyrite occurs as blebs or occupies part of vein space; $\leq 1\%$ sulfides
2497.1	2498.7	Five fractures @ 45° to C.A., cross-cut several 1 mm wide quartz-carbonate +/- Pyrrhotite +/- Chalcopyrite veinlets @ 20-25° to C.A.
2500		END OF HOLE
		Frank H. Toews, B.Sc.
		Frank H. Toews
		Geologist





Assessment  
Library



**Report of Work Conducted  
After Recording Claim**

Transaction Number  
119570.00024

Mining Act

Some information collected on this form is obtained under the authority of the Mining Act. Collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, 1000 Main Street West, Sudbury, Ontario, P0B 5A0, telephone (705) 520-2266.



- Instructions:
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

411155E0018 W9570.00024 RATHBURN

900

Recorded Holder(s) <b>FLAG RESOURCES (1985) LIMITED</b>		Claim No. <b>194134-132132</b>
Address <b>SUITE 1970-540-FIFTH AVENUE S.W. CALGARY, AB/T2P0M2</b>		Telephone No. <b>(403) 262 8883</b>
City/Township <b>SUDBURY</b>	County <b>RATHBURN</b>	M.R.S. Number
Date Reported <b>OCTOBER 85</b>	To <b>NOVEMBER 27th, 1994</b>	

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Access	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs **\$ 19,008.00**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 90 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<b>ERANA MINES LIMITED</b>	<b>106 FIELDS ROAD, LILLY, ONTARIO, P3Y 1L5</b>
<b>FRANK TORNS</b>	<b>HIGHWAY 537, R.R. #3, SUDBURY, ONTARIO, P3E 4N1</b>

(Attach a schedule if necessary)

Declaration of Beneficial Interest - See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the present recorded holder.	Date <b>MAR. 07. 95</b>	Signature <i>Murdo C. McLeod</i> <b>MURDO C. MCLEOD</b>
--	----------------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this work report, having performed the work or witnessed same during and/or after its completion and this report is true.

Name and Address of Person Certifying  
**MURDO C. MCLEOD, SUITE 1970-540-FIFTH AVENUE S.W. CALGARY, ALBERTA, T2P 0N2**

Telephone No. <b>(403) 262 8883</b>	Date <b>MARCH 07, 1995</b>	Signature <i>Murdo C. McLeod</i> <b>MURDO C. MCLEOD</b>
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For Office Use Only

Total Value of Resources	Date Reported	Mining Register	<b>SUDBURY</b> <b>RECEIVED</b> <b>MAR 16 1995</b>
Applied <b>\$ 2,000.00</b>	<b>March 16, 1995</b>	<i>[Signature]</i>	
Reserve <b>\$ 17,008.00</b>	<b>June 14/95</b>	<b>April 3/95</b>	





Ministry of Northern Development and Mines  
 Ministère du Développement du Nord et des Mines

**Statement of Costs for Assessment Credit**

**État des coûts aux fins du crédit d'évaluation**

**Mining Act/Loi sur les mines**

Transaction No./N° de transaction  
 W9570.00024

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ensure compliance with the Mining Act. Questions about this information should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, 4th Floor, 100 Cadell Street, Sudbury, Ontario P0A 1K0, telephone (705) 670-7200.

Les renseignements personnels obtenus dans le présent formulaire sont obtenus en vertu de la Loi sur les mines et servent à tenir à jour un registre des transactions minières. Adressez toute question sur le contenu de ces renseignements au chef provincial des terres minières, ministère du Développement du Nord et des Mines, 4<sup>e</sup> étage, 100, rue Cadell, Sudbury (Ontario) P0A 1K0, téléphone (705) 670-7200.

**1. Direct Costs/Coûts directs**

Type	Description	Amount/Montant	Total Total global
Wages Salaires	Labor Main d'œuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Coûts de l'entrepreneur et de l'expert-consultant	DRILLING	\$12,408.00	
	GEOLOGIST	\$ 5,400.00	
Supplier Charges Frais fournisseurs	Type		
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs/Total des coûts directs</b>		<b>17,808.00</b>	<b>17,808.00</b>

**2. Indirect Costs/Coûts indirects**

Note: When claiming Rehabilitation work, indirect costs are not allowable on assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles sur les travaux d'évaluation.

Type	Description	Amount/Montant	Total Total global
Transportation Transport	Type		
Fuel and Lubing Huiles et lubrifiants			
Insurance and Miscellaneous Expenses Assurances et dépenses diverses		\$1200	\$1200
<b>Total Indirect Costs/Total des coûts indirects</b>		<b>\$1200</b>	<b>\$1200</b>

Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (maximum 20% des coûts directs) **\$17,808.00**

Total Value of Assessment Credit (Total of Direct and Allowable Indirect Costs) Valeur totale de crédit d'évaluation (Coûts des coûts directs et indirects admissibles) **\$19,008.00**

Note: The account holder will be required to verify expenditures claimed in this statement of costs within 60 days of a request for verification. If verification is not made, the Ministry may reject its assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses déclarées dans le présent état des coûts dans les 60 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

**Filing Discounts**

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 80% of the above Total Value of Assessment Credit. See calculations below.

Total Value of Assessment Credit  $\times 0.80 =$  Total Assessment Claimed

**Remises pour dépôt**

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100% de la valeur totale des travaux d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 80% de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation  $\times 0,80 =$  Évaluation totale remboursée

**Certification Verifying Statement of Costs**

I hereby certify that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as PROSIDENT I am authorized

to make this certification

**Attestation de l'état des coûts**

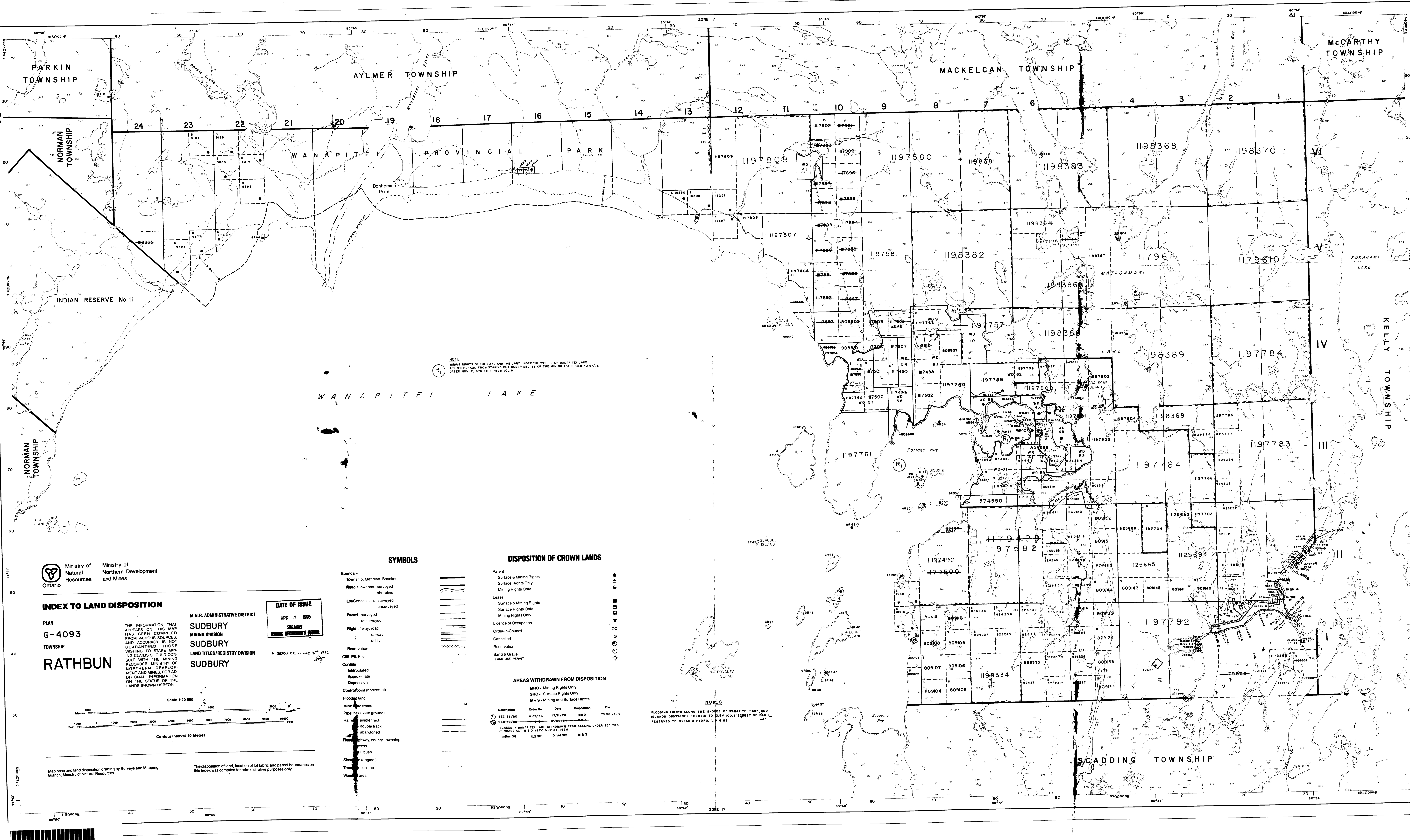
J'atteste par la présente que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terres indiquées dans le formulaire de rapport de travail ci-joint.

Et qu'à titre de PROSIDENT je suis autorisé

à faire cette attestation.

Signature: [Signature] Date: MARCH 07, 1995

Note: Dans cette déclaration, lorsqu'il s'agit des personnes, le masculin est utilisé au sens neutre.



NOTE  
 MINING RIGHTS OF THE LAND AND THE LAND UNDER THE WATERS OF WANAPITEI LAKE  
 AND WITHDRAWN FROM STAKING OUT UNDER SEC 36 OF THE MINING ACT, ORDER NO 8776  
 DATED NOV 17, 1976 FILE T598 VOL 9

**SYMBOLS**

- Boundary
- Township, Meridian, Baseline
- Flooded allowance, surveyed shoreline
- Low Concession, surveyed, unsurveyed
- Parcel, surveyed, unsurveyed
- Right-of-way, road, railway, utility
- Reservation
- Cliff, Pk. File
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine and frame
- Pipeline (above ground)
- Railway, single track, double track, abandoned
- Right-of-way, county, township
- Access
- Shrub, all, bush
- Shrub, (original)
- Transmission line
- Wood, area

**DISPOSITION OF CROWN LANDS**

- 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
- Cancelled
- Reservation
- Sand & Gravel
- LAND USE PERMIT

**AREAS WITHDRAWN FROM DISPOSITION**

Description	Order No	Date	Disposition	File
SEC 36/80	W 8776	1971/76	MRO	T598 VOL 9
SEC 36/80	W 8776	1971/76	MRO	T598 VOL 9
ISLANDS IN WANAPITEI LAKE WITHDRAWN FROM STAKING UNDER SEC 36(1) OF MINING ACT R.S.O. 1970 NOV 23, 1926				
after 36	0.2/82	10/14/88	M.S.S.	

NOTES  
 FLOODING RIGHTS ALONG THE SHORES OF WANAPITEI LAKE AND ISLANDS CONTAINED THEREIN TO ELEV 100.5' (GREAT OF LOW) RESERVED TO ONTARIO HYDRO. S.D. 518

Ministry of Natural Resources  
 Ministry of Northern Development and Mines

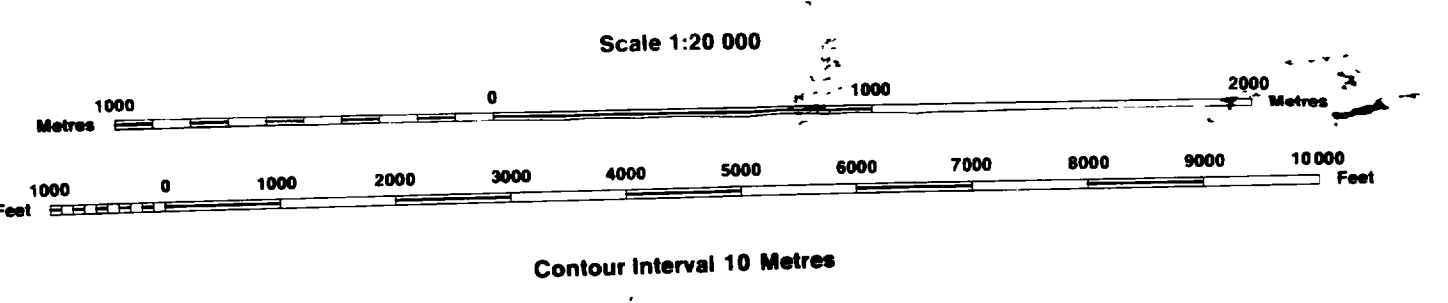
**INDEX TO LAND DISPOSITION**

PLAN G-4093  
 TOWNSHIP RATHBUN

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

DATE OF ISSUE  
 APR 4 1985  
 SUDBURY  
 MINING RECORDER'S OFFICE

IN SERVICE JUNE 16<sup>th</sup> 1982



Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources  
 The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only

