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TECHNICAL DIAMOND DRILLING REPORT
DETOUR PROPERTY
DISTRICT OF COCHRANE, ONTARIO
32 E/13
REQUIRED BY OMEP

Submitted by

GETTY CANADIAN METALS, LIMITED

K.S. Sutherland
Geologist

January, 1984.
Toronto, Ontario

Getty

Getty Mines, Limited | Suite 1200, 150 York Street, Toronto, Ontario M5H 3S5 • Telephone (416) 863-0487

OM82-5-C-164

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INTRODUCTION

Getty Canadian Metals, Limited is currently carrying out an active gold and base metal exploration programme on its Detour property located 144 km northeast of Cochrane, Ontario and 19 km southwest of the Campbell Red Lake/Amoco Detour Lake mine (Figure 1).

Access to the property is via floatplane from Cochrane Ontario or La Sarre, Quebec. The Detour Lake Mine all weather road is located 24 km west of the property.

The Detour Lake deposit is considered the model type for the area. The ore horizon exhibits a strong magnetic/electromagnetic signature and, as such, represents an excellent geophysical target. Outcrop exposure on the Getty property is less than 5 percent and drill testing of geophysical anomalies has been the dominant technique utilized to test the economic potential of the property. Helicopter-borne geophysical surveys were completed during 1982 followed by ground geophysical surveys to accurately delineate the target anomalies on the ground, which were tested by drilling during 1983.

DIAMOND DRILL PROGRAMME

Getty Canadian Metals, Limited completed 4371.2 m of drilling, in two phases, on its Detour Lake property, northeastern Ontario. The first phase was carried out from March 5 to May 14, 1983 and 17 holes totalling 2491.9 m were drilled. A follow-up drill programme was carried out from November 11 to December 17 during which time 10 holes totalling 1879.3 m were drilled. The objective of the drill programmes was to test target geophysical anomalies and the associated stratigraphy in order to determine the potential for base and/or precious metal mineralization. All but 3 of the drill holes successfully tested the target conductive horizons. Drill holes DL-83-21 and DL-83-22 were drilled down dip but the target conductors were successfully re-tested with drill holes DL-83-34 and DL-83-35. Drill hole DL-83-30 did not adequately explain the geophysical response (possible limited depth extent) but an additional test of the stratigraphy is not recommended at this time.

The conductive horizons intersected in the core consist of cherty and/or graphitic sulphide-bearing rock containing 5-35% pyrite, 5-35% pyrrhotite, 3-10% magnetite, 1% chalcopyrite and 1% sphalerite.

Two geological environments appear to host these conductive horizons - a mafic/ultramafic sequence of rocks indicative of Detour-type stratigraphy and felsic pyroclastic rocks indicative of Agnico-Eagle type stratigraphy. The highest gold value intersected in the core is 2000 ppb Au/0.5 m in DL-83-29 and the highest copper value intersected in the core is 0.42% Cu/0.5 m in DL-83-38. No other economically significant base or precious metal values were intersected in the core.

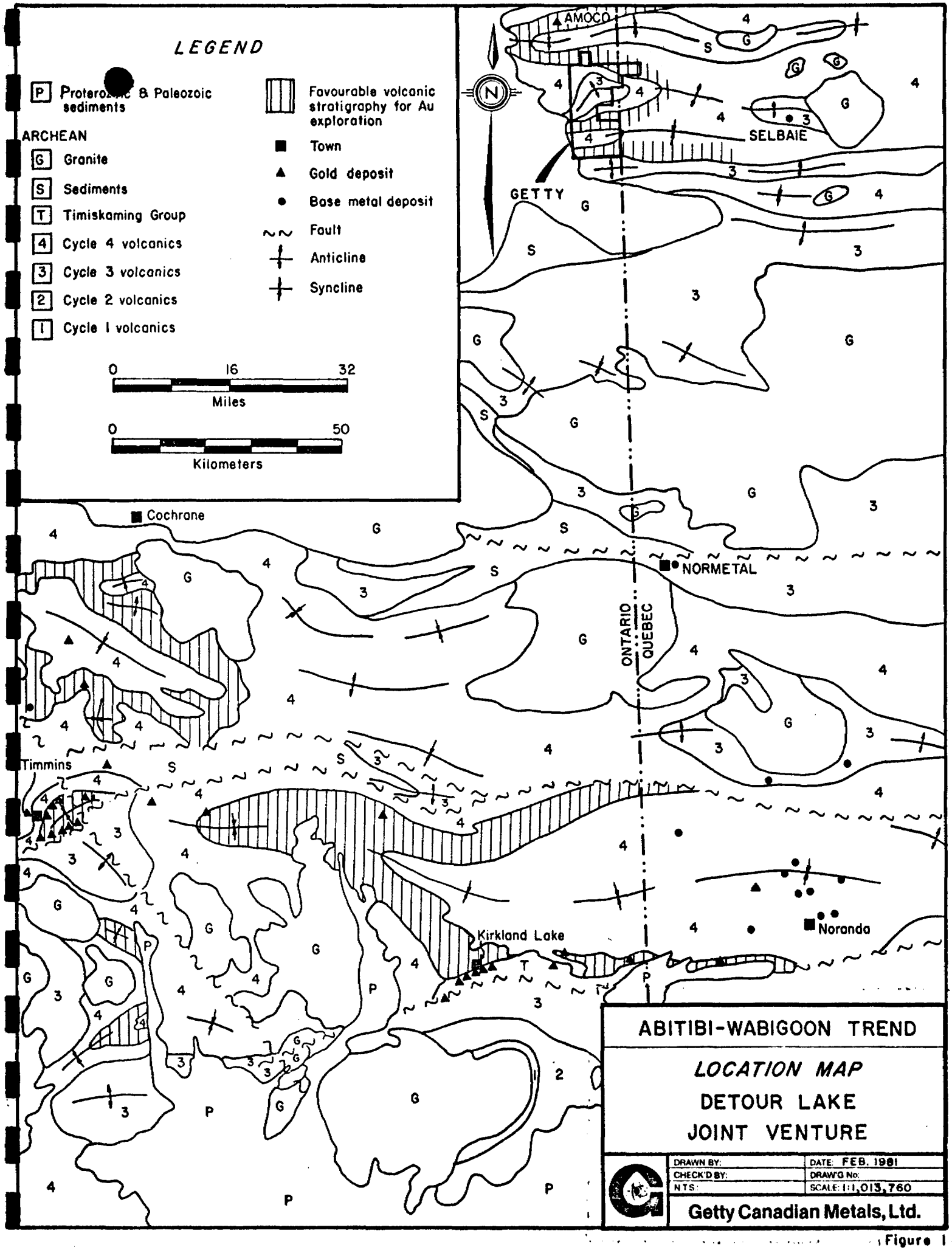
LEGEND
P Proterozoic & Paleozoic sediments
ARCHEAN
G Granite
S Sediments
T Timiskaming Group
4 Cycle 4 volcanics
3 Cycle 3 volcanics
2 Cycle 2 volcanics
1 Cycle 1 volcanics
Favourable volcanic stratigraphy for Au exploration
Town
Gold deposit
Base metal deposit
Fault
Anticline
Syncline
0 16 32
Miles
0 50
Kilometers
AMOCO
SELBAIE
GETTY
Cochrane
NORMETAL
ONTARIO
QUEBEC
Timmins
Kirkland Lake
Noranda
ABITIBI-WABIGOON TREND
LOCATION MAP
DETOUR LAKE
JOINT VENTURE
DRAWN BY:
DATE: FEB. 1981
CHECK'D BY:
DRAW'G No:
N.T.S.:
SCALE: 1:1,013,760
Getty Canadian Metals, Ltd.

Figure 1

The helicopter supported drill programme was contracted to Bradley Bros., Noranda, Quebec and all drill core is stored on the property (north end of Atkinson Lake). Drill logs, assays and drill hole location maps are attached.

Respectfully submitted,

Karen Sutherland

Karen Sutherland.

APPENDIX A

DRILL SUMMARY TABLE

DRILL HOLE NO.	DEPTH(m)	BEARING	DIP
DL-83-08	144.5	340°	-50°
DL-83-19	-200.2	210°	-50°
DL-83-21	152.7	360°	-55°
DL-83-22	101.2	360°	-55°
DL-83-23	139.3	250°	-55°
DL-83-24	155.4	340°	-55°
DL-83-25	114.9	270°	-50°
DL-83-26	242.9	270°	-50°
DL-83-27	111.9	270°	-50°
DL-83-28	-106.7	090°	-50°
DL-83-29	-104.2	270°	-50°
DL-83-30	167.9	341°	-50°
DL-83-31	-230.7	360°	-50°
DL-83-32	-148.4	020°	-50°
DL-83-33	145.4	015°	-50°
DL-83-34	125.0	180°	-50°
DL-83-35	100.6	180°	-50°
DL-83-36	-197.5	020°	-45°
DL-83-37	-160.6	020°	-50°
DL-83-38	-236.5	020°	-50°
DL-83-39	-163.7	340°	-50°
DL-83-40	-198.1	340°	-50°
DL-83-41	-175.9	340°	-50°
DL-83-42	-160.6	340°	-50°
DL-83-43	-197.2	340°	-45°
DL-83-46	-198.1	270°	-50°
DL-83-49	-191.1	360°	-55°
	4371.2		

→ 2669.5 ... this hole

APPENDIX B

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-19

Property... DETOUR SOUTH.....
Location... 144. Km. NE COCHRANE, ONTARIO

Grid..... C-1.....
Latitude.... 1+25N.....
Departure.. 2+00W.....

Core Size..... BQ.....
Elev. Collar. .....
Bearing..... 210°.....
Dip..... -50°.....
Length..... 200.2 m.....
Horiz. Trace. 138.5 m.....
Vert. Trace... 144.9 m.....

Starting Date.... May 7, 1983.....
Completion Date. May 10, 1983.....

Date Logged.... May 8-10, 1983.....
Logged by..... K.S. Sutherland....

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
31.7 m	-57°	-48°
106.7 m	-52°	-43°
200.2 m	-51°	-42°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0	31.8 m	OVERBURDEN - Sand, gravel, boulders					
31.8	67.2	SILTSTONE/SILICEOUS SILTSTONE The rock is grey/brown, fine to medium grained medium soft and non-magnetic. Rock mineralogy consists of biotite/quartz/feldspar/chlorite/muscovite with trace sulphide. The rock is banded (5 mm to 25 cm wide compositional bands) overted 60° to 65° to the core axis. The rock is locally garnetiferous. There are minor coarse grained conformable mica rich horizons foliated 45° to 55° to the core axis. Minor quartz bands to 1 cm are present throughout the rock (60° to core axis). Minor horizons are conformable and present at the lower section of the unit.					

GETTY MINES, LIMITED

Hole Number DL-83-19

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		34.3 m - 2 cm wide quartz band 65° to core axis								
		37.2 m - bands 70° to core axis								
		38.3 m - Garnet bearing over 3 cm's - 2% pink 1 mm - 2 mm garnets								
		38.9 m - Garnet bearing over 5 cm's - 2% pink 1 mm - 2 mm garnets								
		44.9 m - bands 65° to core axis								
		46.3 m - 2 cm wide - chlorite/mica with minor pyrite 40° to core axis (pale green 3 m wide 'veins' oriented same direction 50.6 m)								
		51.0 m - Garnet bearing - over 15 cm's - 2% pink 1 mm - 2 mm garnets								
		56.6 m - Possible graded bedding over 2 cm's (tops down hole ?) beds oriented 65% to core axis								
		61.3-62.0 m - Coarse grained biotitie rich medium soft (amphibolitized) foliated 60% to core axis. Contacts 60° to core axis well defined.								
		62.9 m - 3 cm wide slumped, minor sulphide								
		63.5-63.7 green, mica rich(biotite and chlorite) foliated 60° to core axis								
64.5	65.4	CONDUCTIVE ZONE - siliceous siltstone - magnetic with	D00568	64.5	65.0	0.5	2	95	98	0.5
		2-3% py/po and quartz rich. At 65.0, 65.1, 65.4 -	D00569	65.0	65.5	0.5	2	71	97	1.0
		weakly conductive over 2 cm (possible graphite and 2-3%								
		sulphides - more quartz rich. Upper and lower contact								

GETTY MINES, LIMITED

Hole Number DL-83-19

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		is 45° to core axis - banded (qtz/py/po) 60° to core axis								
		66.2 - 67.2 - weakly magnetic 2-3% py.po, siliceous banded 60° to core axis, very weakly conductive over 1 cm.								
65.5	67.2	SILICEOUS SILTSTONE - fine grained, hard, grey white, magnetic. 1% py/po. Banded 60° to core axis - Sharp lower contact 60° to core axis. Very weakly conductive ocer 5 mm 66.7 m. 65.5 - 66.2 - brown, coarse grained, non-magnetic foliated 60° to core axis.	D00570	66.6	67.2	0.6	2	82	140	0.5
67.2	151.5 m	MAFIC VOLCANIC ROCK (Recrystallized) The rock is green, fine to medium grained, with minor coarse grained horizons, hard and locally weakly magnetic. The rock is weakly foliated 60° to the core axis. There is 3-5% quartz rich veining 2 mm-2 cm wide generally 80° and 45° to core axis, locally with 2-3% py/po associated and chlorite and carbonate and minor bleaching associated with some veins. There is 1-2% py/po veins 1 mm to 1 cm wide with variable orientations. Locally garnet bearing interflow meta-sedimentary horizons are conformable to 2 m wide.								

GETTY MINES, LIMITED

Hole Number DL-83-19

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		67.2 - 69.2 - fine grained. Sharo upper contact 60° to core axis								
		69.2 - 71.4 - Medium to coarse grained contacts gradational								
		foliation 60° to core axis								
		71.52 chlorite and carbonate + 1% sulphide veins 5 mm								
		wide oriented 45° and 45° X to core axis crosscutting.								
		72.4 m - Quartz + carbonate + chlorite + garnets + 2% py/po								
		oriented 30° to core axis - irregular contact with host								
		rock								
		73.7 m - Quartz + c/o vein 3 cm wide with 2% po minor py.	D00572	73.6	73.7	0.10	1	120	27	0.5
		Minor chlorite, minor bleaching oriented 45° to core axis.								
		Irregular contact								
		74.2 - Quartz + carb + py vein 10° to core axis, 1 cm wide	D00571	74.3	74.4	0.10	3	2600	18	1.0
		74.8 and 74.9 m - 5-8 m wide py/po and minor c/o oriented								
		70°-80° to core axis.								
		76.9 - 5 m wide po & chlorite vein oriented 5° to core axis								
		82.0 - 82.7 - Coarse grained, sharp contacts 15-20% coarse								
		green amphibole crystals to 5 mm. Very weak preferred								
		orientation of crystals 60° to core axis.								
		85.0 - 89.9 - fine grained, medium hard to medium soft								
		foliation only apparent past 20 cm 50° to core axis								
		89.9 - 90.4 - coarse grained, contacts sharp and cross cut								
		foliation								
		98.1 - - quartz vein 5 mm wide with green bleaching								
		running to 3 mm 60° to core axis. Same as 99.3 m, 101.2 m,								
		101.6 m variable orientations of vein 1% sulphide association								
		host rock is fine grained.	D00573	101.3	101.4	0.10	<1	110	13	1.0

GETTY MINES, LIMITED

Hole Number DL-83-19

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		102.4 - 10 cm wide interflow material - py/chlorite/quartz								
		70° to core axis - weakly contorted and								
		fragmented								
		- bleached								
		103-5 - 104.7 - Grey brown medium to coarse grained non-								
		magnetic, medium hard. Well defined contacts. Weakly								
		foliated - coarse flow centre								
		109.4 - 109.7 - Amygdaloidal and 112.8 - 113.7								
		115.1 - 115.3 - po/py vein 5 mm - 1 cm wide								
		117.6 - 120.3 - Coarse grained, last 30 cm, finer grained								
		foliated 65° to core axis, soft.								
		120-3 - 124.2 - Fine grained, minor quartz veins with py.								
		124.2 - 126.3 - Interflow Metasedimentary Rock	D00574	124.2	125.2	1.0	2	90	91	1.0
		Green, medium soft, weakly magnetic, fine to medium grained.	D00575	125.2	126.3	1.1	< 1	82	53	1.0
		The unit is banded 50°-55° to core axis. First 10 cm								
		conductive due to 3-5% fine bands py/po. Bands: green								
		(chlorite) white (feldspar/quartz, and carbonate. Garnets								
		occur in pink bands and disseminated throughout (15-20%)								
		1 mm to 5 mm wide. Upper contact is sharp. Bottom contact								
		gradational over 2 cm's.								
		143.3 - 10 cm wide chl/py/po/qtz/cb oriented 45° to								
		core axis								
		146.3 - 146.5 - (Bleached ?) light green 1-2% py/po 50° to	D00576	145.5	146.5	1.0	1	160	45	1.0
		core axis								

GETTY MINES, LIMITED

Hole Number DL-83-19

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		146.5 - 147.1 - Coarse grained. Upper contact sharp, lower contact gradational								
		149.6 - Foliation 50° to core axis	D00577	150.5	151.5	1.0	2	91	23	0.5
151.5	160.6 m	CONDUCTIVE ZONE								
		Sulphide bearing siliceous metasedimentary rock. The rock is fine to medium grained green/grey, medium hard and strongly magnetic throughout due to pyrrhotite. 10-50% py/po as semi-massive blebs bands to 3 cm and fine laminations 2mm - 8mm. The rock is banded 50° (locally 80°) to core axis. Upper contact is sharp, lower contact is gradational over a few cm's Locally very weakly conductive 160.6 to 170.6 due to py/po laminations but main conductive horizon is 151.5 to 160.6 m. Minor garnetiferous bands.								
		151.5 - 155.0 - Massive pyrite/pyrrhotite as blebs of inter-locking py/po. Minor quartz and biotite/chlorite (?) Very strongly magnetic. At 154.5 weakly brecciated 152.1 - 152.3 m - finely disseminated py/po (green)	D00578	151.5	152.0	0.5	4	140	72	<0.5
			D00579	152.0	152.5	0.5	8	110	68	<0.5
			D00580	152.5	153.0	0.5	10	81	76	<0.5
			D00581	153.0	153.5	0.5	4	110	16	<0.5
		155.0 - 156.0 - Cherty sulphide bearing metasedimentary rock. Banded 80° to core axis - 1 cm to 3 cm bands of quartz and py/po with minor chlorite. Sulphides - laminated and disseminated 15-20%. Locally brecciated. Very hard.	D00582	153.5	154.0	0.5	6	100	53	<0.5
			D00583	154.0	154.5	0.5	48	170	570	<0.5
			D00584	154.5	155.0	0.5	20	110	150	<0.5
			D00585	155.0	155.5	0.5	2	50	71	0.5
		156.0 - 160.6 m - Siliceous sulphide bearing metasedimentary rock. Less quartz than 155.0 - 156.0 m. Green, fine to medium grained magnetic banded 1 mm to 5 mm 45° to 50° to core axis of quartz, chlorite, sulphide (minor garnetiferous bands. 10-15%	D00586	155.5	156.0	0.5	2	28	94	1.0
			D00587	156.0	156.5	0.5	<1	23	110	1.0
			D00588	156.5	157.0	0.5	1	25	88	0.5
			D00589	157.0	157.5	0.5	1	50	53	1.0

GETTY MINES, LIMITED

Hole Number DDH-83-19

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		py/po as laminations and finely disseminated	D00590	157.5	158.0	0.5	3	52	57	0.5
		158.6 - garnetiferous band	D00591	158.0	158.5	0.5	<1	76	51	0.5
		158.0 - contorted py/po band	D00592	158.5	159.0	0.5	<1	88	43	1.0
		156.0 - 156.2 - green minor sulphide, non magnetic	D00593	159.0	159.5	0.5	1	63	89	1.0
		156.2 - 156.6 - siliceous	D00594	159.5	160.0	0.5	<1	160	74	1.0
		Some bands - py/po in centre then quartz/cb then rimmed by chlorite	D00595	160.0	160.5	0.5	6	130	85	1.0
160.6	191.1 m	SILICEOUS METASEDIMENTARY ROCK								
		The rock is fine to medium grained green, very hard and weakly magnetic throughout. Locally garnetiferous. The rock is banded 1 mm to 5 mm (locally slumped) 45° to 50° to core axis and contains 5-15% py/po as laminations and disseminations. Locally there are minor conductive sulphide horizons to 10 cm. rock mineralogy consists of chlorite quartz/feldspar/biotite/muscovite/sulphide and minor garnets.								
		161.5 - 163.6 - Garnetiferous - upper and lower contacts are gradational over a few cm's. Garnets are pink 1 mm to 5 mm and are scattered throughout the rock (not restricted to bands). From 161.7 to 161.8 fine py/po to 15%; weakly conductive.	D00596	160.5	161.0	0.5	3	59	110	1.0
			D00597	161.0	161.5	0.5	2	58	73	1.0
			D00598	161.5	162.0	0.5	2	190	170	1.0
			D00599	162.0	163.0	1.0	2	21	110	1.0
			D00600	163.0	164.0	1.0	<1	83	81	1.0
		165.1 m - bands 45° to core axis	D00601	164.0	165.0	1.0	4	160	36	1.0
			D00602	165.0	166.0	1.0	4	140	34	1.0
		165.4 - 165.6 m - weakly contorted and slumped beds.	D00603	166.0	167.0	1.0	2	83	30	1.0
		15% py/po, weakly conductive	D00604	167.0	168.0	1.0	2	110	38	1.0

GETTY MINES, LIMITED

Hole Number DL-83-19

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		165.7 - Weakly contorted beds - after 165.7 m the beds	D00605	168.0	169.0	1.0	2	110	46	1.0
		show very little contortions sulphide content begins to dec	D00606	169.0	170.0	1.0	2	83	50	1.0
		rease to 5%	D00607	170.0	171.0	1.0	3	79	50	1.0
		169.4 - 169.6 amd 170.8 - 171.1 m - non-magnetic foliated	D00608	171.0	172.0	1.0	1	90	27	1.0
		55° to core axis biotitic, medium grained.	D00609	172.0	173.0	1.0	<1	120	35	1.0
		171.3 - 178.4 - Increase in mica content in some bands								
		to 10%, rock is grey/green. Bedded 50° to core axis.								
		At 171.9 bands 60° to core axis								
		178.4 - 191.9 - 5-8% sulphide bands, darker green,	D00610	183.0	184.0	1.0	<1	94	25	0.5
		bands gradual change to 70° to core axis.	D00611	184.0	185.0	1.0	1	91	31	1.0
		Bands 1 mm to 1 cm - at 185.4 m 70° to core axis.	D00612	185.0	186.0	1.0	3	90	31	1.0
		Locally magnetic. Sulphide is disseminated as small blebs	D00613	186.0	187.0	1.0	4	90	34	0.5
		and fine laminations to 5 mm. (185.6 - 181.3)	D00614	187.0	188.0	1.0	5	110	23	1.0
		180.9 - 181.3 0 Foliated 65° to fore axis, biotitic,	D00615	188.0	189.0	1.0	9	58	28	1.0
		contacts well defined.	D00616	189.0	190.0	1.0	3	74	42	1.0
			D00617	190.0	191.0	1.0	<1	96	31	1.0
		190.9 - 191.0 - strong banding 80° to core axis.	D00618	191.0	191.1	1.1	2	78	42	1.0
191.1	200.2	MAFIC VOLCANIC ROCK								
		The rock is grey/green, fine grained, hard and non-magnetic.								
		There are 2% quartz amygdules and the rock is garnetiferous.								
		The rock is bleached (10 cm wide blotches) and bleaching								
		is associated with garnets. There is trace sulphide and								

GETTY MINES, LIMITED

Hole Number DL-83-19

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
		1% veining.								
		191.1 - 193.4 - Coarse grained crystals (green amphibole ?)								
		are stretched 70° to core axis. Well defined upper and lower								
		contacts.								
		193.4 - 194.0 - Garnet bearing - 10% pink 1 mm to 5 mm								
		garnets with pale green bleaching surrounding individual								
		garnets and garnetiferous bands to 4 mm.								
		195.5 - 195.9 - 30% garnets - bands to 15 mm								
		197.4 - 197.5 - Garnet bearing band hosted dark green								
		25% pink garnets to 5 mm. Band 70° to core axis.								
		196.0 - Quartz amygdules to 5 mm								
200.2 m		END OF HOLE.								

DRILL CORE ASSAYS

PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR SOUTH Date MAY 198

DL-83-19 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Pb (ppm)	Mo (ppm)	Mn (ppm)	Ni (ppm)	
D 00568	64.5	65.0	0.5	2	96	98	0.5	—		—	—	
D 00569	65.0	65.5	0.5	2	71	97	1.0	10	<1	140	0.6	
D 00570	66.6	67.2	0.6	2	82	140	0.5	—			—	
D 00572	73.6	73.7	0.1	1	2600	18	1.0				—	
D 00571	74.3	74.4	0.1	3	120	27	0.5	25	5	1500	0.4	
D 00573	101.3	101.4	0.1	<1	110	13	1.0	25	<1	150	0.5	
D 00574	124.2	125.2	1.0	2	90	91	1.0	—	—	—	—	
D 00575	125.2	126.3	1.1	<1	82	53	1.0	10	<1	930	1.7	
D 00576	145.5	146.5	1.0	1	160	45	1.0	—	—		—	
D 00577	150.5	151.5	1.0	2	91	23	0.5	10	<1	240	0.8	
00578	151.5	152.0	0.5	4	140	72	<0.5	—	—	—	—	
00579	152.0	152.5	0.5	8	110	68	<0.5	10	1	1500	35.0	
00580	152.5	153.0	0.5	10	81	76	<0.5	—		—	—	
00581	153.0	153.5	0.5	4	110	16	<0.5	<10	<1	1200	12.0	
00582	153.5	154.0	0.5	6	100	53	<0.5	—		—	—	
00583	154.0	154.5	0.5	48	170	570	<0.5	10	<1	2900	39.0	
00584	154.5	155.0	0.5	20	110	150	<0.5	—		—	—	

DRILL CORE ASSAYS

PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR SOUTH Date May 1983

DL-83-17 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mo (ppm)	Mn (ppm)	As (ppm)	
D 00585	155.0	155.5	0.5	2	50	71	0.5	10	<1	600	2.0	
00586	155.5	156.0	0.5	2	28	94	1.0	-			-	
00587	156.0	156.5	0.5	<1	23	110	1.0	10	<1	370	<1.8	
00588	156.5	157.0	0.5	1	25	88	0.5	-	-	-	-	
00589	157.0	157.5	0.5	1	50	53	1.0	10	<1	630	3.0	
00590	157.5	158.0	0.5	3	52	57	0.5	-	-	-	-	
00591	158.0	158.5	0.5	<1	76	51	0.5	10	<1	650	2.0	
00592	158.5	159.0	0.5	<1	88	43	1.0	-	-	-	-	
00593	159.0	159.5	0.5	1	63	89	1.0	10	<1	570	1.0	
00594	159.5	160.0	0.5	<1	160	74	1.0	-	-		-	
00595	160.0	160.5	0.5	6	130	85	1.0	<10	<1	100	1.1	
00596	160.5	161.0	0.5	3	59	110	1.0	-		-	-	
00597	161.0	161.5	0.5	2	58	73	1.0	10	<1	560	0.8	
00598	161.5	162.0	0.5	2	190	170	1.0	-	-		-	
00599	162.0	163.0	1.0	2	21	110	1.0	10	<1	740	0.6	
00600	163.0	164.0	1.0	<1	85	81	1.0	-			-	
00601	164.0	165.0	1.0	4	160	36	1.0	10	<1	340	0.7	
00602	165.0	166.0	1.0	4	140	34	1.0	-	-	-	-	
00603	166.0	167.0	1.0	2	83	30	1.0	10	<1	130	0.4	
00604	167.0	168.0	1.0	2	110	38	1.0	-	-	-	-	
00605	168.0	169.0	1.0	2	110	46	1.0	10	<1	100	0.4	
00606	169.0	170.0	1.0	2	83	50	1.0	-			-	

DRILL CORE ASSAYS

PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR SOUTH Date MAY 19

DL-83-19 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mo (ppm)	Mn (ppm)	As (ppm)	
D 00607	170.0	171.0	1.0	3	79	50	1.0	25	<1	120	0.4	
00608	171.0	172.0	1.0	1	90	27	1.0	-			-	
00609	172.0	173.0	1.0	<1	120	35	1.0	10	<1	120	0.3	
D 00610	183.0	184.0	1.0	<1	94	25	0.5	-	-	-	-	
00611	184.0	185.0	1.0	1	91	31	1.0	10	<1	84	0.2	
00612	185.0	186.0	1.0	3	90	31	1.0	-	-	-	-	
00613	186.0	187.0	1.0	4	90	34	0.5	10	<1	170	0.2	
00614	187.0	188.0	1.0	5	110	23	1.0	-	-	-	-	
00615	188.0	189.0	1.0	9	58	28	1.0	10	<1	590	0.5	
00616	189.0	190.0	1.0	3	74	42	1.0	-			-	
00617	190.0	191.0	1.0	<1	96	31	1.0	10	<1	110	0.2	
00618	191.0	191.1	0.1	2	78	42	1.0	-	-		-	

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-28

Property: DETOUR LAKE
Location: 144 KM NE OF COCHRANE, ONT.

Grid: 11
Latitude: L2+00N
Departure: 1+00W

Core Size: BQ
Elev. Collar:
Bearing: 090°
Dip: -50°
Length: 106.7 m
Horiz. Trace: 68.5 m
Vert. Trace: 81.4 m

Starting Date: April 5/83
Completion Date: April 6/83

Date Logged: April 6-7/83
Logged by: R.B. Scratch

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
3.05m	57.25	-48.5°
106.7m	58.4°	-50°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0	3.5	OVERBURDEN/CASING					
3.5	7.3	MAFIC TUFF					
		- dark green to black mafic tuff					
		- well bedded @ 65° to ca					
		- contains 1-3 mm anhedral garnets disseminated					
		throughout but with a preference for certain beds					
		- two 1 cm thick beds of mafic tuff containing					
		40-50% pyrite @ 5.9, 5.95					
		- 5% disseminated py @ 3.5-3.8					
		- 1% py disseminated throughout					
7.3	22.6	FELSIC TUFF					
		- extremely siliceous					
		- light grey to cream to mauve in colour					
		- excellent banding at 60° to ca					
		- 1-2 mm white spots could be original crystals					
		or spherulites					
		- 1% pyrite disseminated throughout					
		- rock appears to have been silicified and feldspars					
		sausseritized					

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		chlorite developed along some fractures especially					
		@ 18.65-18.80					
		- the change from grey or cream to mauve colour is					
		alteration related with the mauve colour predating					
		the grey or cream colour as evidenced by crosscutting					
		relationships					
		- 21.1-21.15 qtz vein					
22.6	23.8	INTERMEDIATE DYKE					
		- fine grained medium green intermediate dyke rock					
		- upper contact at 30°, lower contact at 90° to ca					
		- 2-5% py disseminated					
		- mineralogy difficult appears to be qtz, feldspar,					
		chlorite, biotite and amphibole (?)					
		- a weak foliation at 70° to ca					
		- quartz veins at both contacts					
23.8	26.6	FELSIC TUFF					
		- as at 7.3-22.6					
26.6	28.1	INTERMEDIATE DYKE					
		as at 22.6-23.8					

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
28.1	33.3	FELSIC TUFF					
		- as at 7.3-22.6					
		- banding at 45° to ca					
33.3	33.75	INTERMEDIATE DYKE					
		- as at 22.6-23.8					
33.75	34.3	FELSIC TUFF					
		- as at 7.3-22.6					
34.3	35.4	INTERMEDIATE DYKE					
		- as at 22.6-23.8					
35.4	49.5	FELSIC TUFF					
		- as at 7.3 - 22.6					
		- foliation/banding very distinct in last metre					
		owing to an increase in mafic content i.e. chlorite					
		- banding at 55° to ca					
		- remarkably uniform throughout					
49.5	55.6	MAFIC TUFF					
		- black very fine grained mafic tuff or conceivably					
		mudstone					
		- slightly calcareous near upper contact					
		- banding at 60° to ca					
		- lower contact chilled and at 90° to ca					
		- thin felsic unit at 54.15-54.35					

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		- rock becomes darker, finer grained and less banded					
		towards base of section					
55.6	57.15	FELDSPAR PORPHYRY DYKE					
		- upper and lower contacts at 80° to ca					
		- coarse grained feldspar porphyry dyke with a					
		fine grained brownish matrix consisting of					
		qtz and biotite					
		- feldspar porphyroblasts are 1-3 mm in diameter and					
		make up 35% of rock - the matrix constitutes the rest					
		- rock exhibits faint foliation oriented @ 65° to ca					
		- non-magnetic					
		- contains 0.5% py					
57.15	63.05	GARNETIFEROUS MUDSTONE - INTERMEDIATE TUFF					
		- well bedded, dark green to black, fine grained					
		siliceous garnetiferous mudstone interbedded					
		with fine grained medium green intermediate tuff					
		- bedding runs 65° to ca					
		- approx. 70% garnetiferous mudstone and 30%					
		intermediate tuff					
		- garnets are light red in colour, anhedral, 2 mm - 1 cm in size					
		- garnets locally very abundant but average 5% throughout					

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
		59.0-59.07 - 80% garnet, 59.92-59.95 60% garnet,								
		60.5-61.2 - 15% garnet								
		59.1-60.3 rock is quite magnetic and contains 3-5%								
		disseminated po - this section is more siliceous								
		and appears to have a chemical sedimentary component								
		(chert 70%)								
		61.3-61.5 - lighter green tuff section with coarse grained								
		feldspar porphyritic contacts								
		62.4-62.5 - coarse grained bladed amphibole (brown)								
		developed in quartz carbonate gash fracture								
		- @ 62.9 a 5 mm band of garnet + py								
		- lower contact gradational								
63.05	63.3	Conductor - Sulphide bearing chemical sedimentary rock								
		- light green sulphide-bearing cherty unit								
		- contains bedded py at upper contact	D00121	63.05	63.3	0.25	8	410	39	0.5
		(63.05-63.1 20%) and po + py at lower contact								
		(63.2-63.3 75% po, 5% py)								
		- minor garnet development at 63.1 m								
		- bedded py at 70° to ca								

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
63.3	63.8	GARNETIFEROUS MUDSTONE	D00122	63.3	63.8	0.5	3	120	99	1.0
		- as at 57.15-63.05 but no tuff component								
		- garnet throughout averaging 15% of rock								
		- 3% py at 63.4-63.45								
		- py in fracture at 63.66								
		- bedding at 65° to ca								
63.8	64.7	FELDSPAR PORPHYRY DYKE	D00123	63.8	64.3	0.5	<1	14	67	0.5
			D00124	64.3	64.7	0.4	<1	13	67	0.5
		- as at 55.6-57.15								
		- contacts at 80° to ca								
64.7	66.5	CONDUCTIVE ZONE	D00125	64.7	65.2	0.5	20	190	27	<0.5
		- Garnetiferous sulphide-bearing chemical sedimentary rock	D00126	65.2	65.7	0.5	<1	110	16	<0.5
		- dark green to brown cherty rock containing	D00127	65.7	66.2	0.5	7	160	33	0.5
		bands of reddish anhedral garnet throughout,	D00128	66.2	66.7	0.5	<1	100	59	0.5
		averaging 5-10% of section, coarse garnet								
		development at 65.8-66.1, 66.35-66.5								
		- 1-2 mm bands of po + py throughout section but								
		64.7-65.1 contains 40% bedded po+py (1:1) with po								
		concentrated towards the upper contact - excellent								
		conductor								
		- bedded sulphides at 70° to ca								
		- section will average 10% sulphide throughout								

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
66.5	67.8	INTERMEDIATE TUFF - GARNETIFEROUS MUDSTONE	D00129	66.7	67.2	0.5	< 1	210	86	0.5
			D00130	67.2	67.8	0.6	9	120	210	1.0
		- as at 57.15-63.05								
		- 1-2% garnet concentrated at 67.35-67.45								
		- more tuff than mudstone unlike 57.15-63.05								
		- 67.15-67.25 light green siliceous rock, as below								
		- 1% po disseminated								
		- contacts at 65° to ca								
67.8	71.4	LIGHT GREEN SILICEOUS ROCK								
		- probably a highly altered felsic tuff because of								
		faint relic banding at 55° to ca and ghosting								
		of feldspar (?) crystals - light green colour								
		presumably due to sausseritization of primary								
		feldspar								
		- rock is now very uniform, massive, hard								
		- a few 1-2 mm size anhedral garnets disseminated								
		near base of section where banding is most prevalent								
		- 69.6-70.0 - short section of garnetiferous mudstone								
		- towards base of section a few grey quartz veinlets								
		crosscut core								
		- banding increases towards base of section and								
		lower contact somewhat gradational								

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
71.4	72.8	CONDUCTIVE ZONE	D00131	71.4	71.9	0.5	9	266	87	0.5
		- Sulphide-bearing garnetiferous chemical sedimentary	D00132	71.9	72.4	0.5	18	170	75	0.5
		rock	D00133	72.4	72.8	0.4	1	38	75	0.5
		- 20-30% chert throughout section								
		- contains 15% reddish garnet concentrated in bands								
		oriented at 45° to ca								
		- bedded po concentrated in cherty section at 71.8-72.2								
		where it constitutes 30% of this section								
		- po also occurs to a lesser degree near the base of the								
		section and disseminated throughout								
		- 1% pyrite in this section								
72.8	78.85	LIGHT GREEN SILICEOUS ROCK								
		- as at 67.8 - 71.4								
		- extremely uniform, massive no internal structure								
		- lower contact gradational and oriented at 60° to ca								
		- very minor late stage qtz - chlorite veinlets crosscut core								

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
78.85	84.70	SULPHIDE BEARING CHEMICAL SEDIMENTARY ROCK								
		- extremely inhomogenous section	D00134	78.85	79.35	0.5	4	63	200	0.5
		- not enough sulphide to constitute a conductor	D00135	79.35	79.85	0.5	1	48	140	0.5
		(approx. 3-5% py + po bedded and disseminated	D00136	79.85	80.35	0.5	2	81	170	1.0
		throughout)	D00137	80.35	80.85	0.5	< 1	25	97	< 0.5
		- 81.10-81.4 approx 15% reddish garnet	D00138	80.85	81.35	0.5	< 1	43	110	0.5
		- in spots chert rich sections as pebbles	D00139	81.35	81.85	0.5	1	64	210	0.5
		in other places as beds	D00140	81.85	82.35	0.5	< 1	58	120	0.5
		- 83.1-84.2 core badly ground	D00141	82.35	82.85	0.5	2	51	140	0.5
		- light green siliceous rock sections at 80.6-81.0,	D00142	82.85	83.35	0.5	< 1	15	66	< 0.5
		82.9-83.05	D00143	83.35	83.85	0.5	1	75	90	0.5
		- although sulphide appears throughout it is	D00144	83.85	84.35	0.5	< 1	74	660	0.5
		particularly abundant at 82.2-82.8 and	D00145	84.35	84.70	0.35	11	190	4500	2.5
		84.0-84.60								
		- at 84.35-84.45 - this sulphide bearing section 20%								
		py + po appears (?) to contain a fine grained								
		grey mineral (sulphide? stibnite??, graphite?)								
		- banding is variable between 40-70° to ca								
		- graphite bearing at 84.50-84.70								

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
84.70	92.6	FELSIC TUFF								
		- similar to 7.3-22.6 with light green to cream bands of								
		felsic tuff and mauve coloured tuff								
		- as before the cream bands postdate mauve coloured bands								
		and presumably represent alteration of the latter.								
		- section would average 1% py + po disseminated and in								
		blebs but this is concentrated in certain sections								
		in particular 92.5-92.6 would run 20% po + minor pyrite								
		- banding is uniform at 65° to ca								
		- rare garnet porphyroblasts are present								
92.6	94.55	LIGHT GREEN SILICEOUS ROCK								
		- as at 67.8-71.4								
		- upper contact sharp at 80° to ca								
		- lower contact irregular but sharp at 30° to ca								
		- 0.5% py + po								
		- massive, uniform, non-descript as before								
94.55	95.95	CONDUCTIVE ZONE - Pyrrhotite - Bearing Chert								
		- excellent conductor	D00146	94.55	95.05	0.5	17	77	140	2.0
		- contains 60% po, 40% chert	D00147	95.05	95.55	0.5	34	230	44	3.0
		94.55-95.05 - 30% banded po, 70% chert	D00148	95.55	95.95	0.5	8	120	90	0.5
		95.05-95.70 - 80% po, 20% chert frags & pebbles								
		95.70-95.85 - 2% po, 98% chert								
		95.85-95.95 - 50% po, 50% chert								
		- banding at 75° to ca								

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- contact at 95.05 between bedded and broken chert is distinct								
		lower contact gradational								
		- excellent conductor responsible for Max-Min and mag response								
95.95	105.60	Banded Chert with Sulphides	D00149	95.95	96.45	0.5	4	48	120	< 0.5
			D00150	96.45	96.95	0.5	< 1	13	10	< 0.5
		- sulphides unconnected therefore non conducting	D00151	96.95	97.45	0.5	2	10	5.5	< 0.5
		- contains 15% po and 2-3% py in	D00152	97.45	97.95	0.5	3	17	8	< 0.5
		1 mm - 1 cm bands throughout entire section	D00153	97.95	98.45	0.5	3	17	18	< 0.5
		- chlorite associated with sulphide rich	D00154	98.45	98.95	0.5	2	15	6.5	< 0.5
			D00155	98.95	99.45	0.5	1	28	7.0	< 0.5
		layers	D00156	99.45	99.95	0.5	2	22	8.5	< 0.5
		- heavy garnet development at 101.0-101.05	D00157	99.95	100.45	0.5	4	21	9.0	< 0.5
		- banding at 70° to ca	D00158	100.45	100.95	0.5	4	30	5.5	0.5
			D00159	100.95	101.45	0.5	1	34	10	< 0.5
			D00160	101.45	101.95	0.5	2	20	25	< 0.5
			D00161	101.95	102.45	0.5	2	15	5.5	< 0.5
			D00162	102.45	102.95	0.5	2	41	6	0.5
			D00163	102.95	103.45	0.5	< 1	10	4	< 0.5
			D00164	103.45	103.95	0.5	3	10	6	< 0.5
			D00165	103.95	104.45	0.5	5	15	11	< 0.5
			D00166	104.45	104.95	0.5	< 1	14	8.5	< 0.5
			D00167	104.95	105.6	0.65	5	30	8.5	< 0.5

GETTY MINES, LIMITED

Hole Number DL-83-28

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppm)	Cu (ppm)	Zn (ppm)	Ag (ppm)
105.60	106.70	CHERT								
		- clear, barren white chert	D00168	105.6	106.1	0.5	< 1	5.5	3.5	< 0.5
		- banding at 60° to ca, grey bands	D00169	106.1	106.7	0.6	1	11	6.5	< 0.5
		- 1% py + po throughout								
106.7 m		END OF HOLE								

DRILL CORE ASSAYS

PROJECT Abitibi volcanic belt PROPERTY Detour Lake IV Date MAY 1983

DL 83-28 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (PPM)	Ag (ppm)	S (ppm)	Mn (ppm)	Mo (ppm)	Pb (ppm)	
00121	63.05	63.30	.25	8	410	39	0.5	<10	<20	2	1.4	
00122	63.30	63.80	.50	3	120	99	1.0					
00123	63.80	64.30	.50	<1	14	67	0.5	25	<10	<1	1.2	
00124	64.30	64.70	.40	<1	13	67	0.5					
00125	64.70	65.20	.50	20	190	27	<0.5	<10	<90	1	1.1	
00126	65.20	65.70	.50	<1	110	16	<0.5					
00127	65.70	66.20	.50	7	160	33	0.5	10	280	2	1.2	
00128	66.20	66.70	.50	<1	100	59	0.5					
00129	66.70	67.20	.50	<1	210	86	0.5	10	590	1	<0.4	
00130	67.20	67.80	.60	9	120	210	1.0					
00131	71.40	71.90	.50	9	260	87	0.5	10	810	1	1.3	
00132	71.90	72.40	.50	18	170	75	0.5					
00133	72.40	72.80	.40	1	38	75	0.5	10	770	2	1.20	
00134	78.85	79.35	.50	4	63	200	0.5					
00135	79.35	79.85	.50	1	48	140	0.5	25	650	1	2.5	
00136	79.85	80.35	.50	2	81	170	1.0					
00137	80.36	80.85	.50	<1	25	97	<0.5	25	720	2	1.1	
00138	80.85	81.35	.50	<1	43	110	0.5					
00139	81.35	81.85	.50	1	64	210	0.5	25	760	3	1.5	
00140	81.85	82.35	.50	<1	58	120	0.5					
00141	82.35	82.85	.50	2	51	140	0.5	10	940	3	6.0	

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic Belt PROPERTY Detour Lake JV Date May 1983

DL 83-28 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Pb (ppm)	Mn (ppm)	Mo (ppm)	As (ppm)	
00142	83.35	83.35	0.50	<1	15	66	<0.5					
00143	83.35	83.85	0.50	1	75	90	0.5	10	750	1	12.0	
00144	83.85	84.35	0.50	<1	74	660	0.5					
00145	84.35	84.70	0.35	11	190	4500	2.5	10	260	15	0.6	
00146	94.55	95.05	0.50	17	77	140	2.0					
00147	95.05	95.55	0.50	34	230	44	3.0	<10	1200	100	0.5	
00148	95.55	95.95	0.40	8	120	90	0.5					
00149	95.95	96.45	0.50	4	48	120	<0.5	10	1000	3	0.8	
00150	96.45	96.95	0.50	<1	13	10	<0.5					
00151	96.95	97.45	0.50	2	10	5.5	<0.5	.25	410	3	1.3	
00152	97.45	97.95	0.50	3	17	8	<0.5					
00153	97.95	98.5	0.50	3	17	18	<0.5	.25	700	2	5.7	
00154	98.45	98.95	0.50	2	15	65	<0.5					
00155	98.95	99.45	0.50	1	28	70	<0.5	.25	400	2	3.7	
00156	99.45	99.95	0.50	2	22	85	<0.5					
00157	99.95	100.45	0.50	4	21	4	<0.5	50	350	190	3.9	
00158	100.45	100.95	0.50	4	30	55	0.5					
00159	100.95	101.45	0.50	1	34	10	<0.5	10	1600	36	3.0	
00160	101.45	101.95	0.50	2	20	2.5	<0.5					
00161	101.95	102.45	0.50	2	15	55	<0.5	10	650	<1	0.7	
00162	102.45	102.95	0.50	2	41	6	0.5					

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic Belt PROPERTY Detour Lake JV Date May 1983

DL 83-28 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mn (ppm)	Mo (ppm)	As (ppm)	
00163	103.45	103.95	0.50	<1	10	4	<0.5	10	510	3	0.9	
00164	103.45	103.95	0.50	3	10	6	<0.5					
00165	103.95	104.45	0.50	5	15	11	<0.5	25	920	3	1.6	
00166	104.45	104.95	0.50	<1	14	8.5	<0.5					
00167	104.95	105.60	0.65	5	30	8.5	<0.5	25	840	2	8.5	
00168	105.60	106.10	0.50	<1	5	3.5	<0.5					
00169	106.10	106.70	0.60	1	11	6.5	<0.5	50	32	3	4.0	

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic Belt PROPERTY DETOUR Lake Date DECEMBER, 19

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm).
DL-83-28							
DD0777	58.1	58.6	0.5	<2	28	47	0.5
778	58.6	59.1	0.5	<2	31	63	0.5
779	59.1	59.6	0.5	6	34	43	1.0
780	59.6	60.1	0.5	<2	14	29	0.5
781	60.1	60.6	0.5	<2	150	130	1.0
782	60.6	61.1	0.5	2	100	78	1.0
783	61.1	61.6	0.5	<2	27	64	0.5
784	61.6	62.1	0.5	<2	57	68	1.0
785	62.1	62.6	0.5	5	120	83	1.0
786	62.6	63.05	0.45	<2	49	72	1.0
787	67.8	68.3	0.5	<2	30	13	0.5
788	68.3	68.8	0.5	<2	10	12	<0.5
789	68.8	69.3	0.5	<2	13	12	<0.5
790	69.3	69.8	0.5	<2	58	71	<0.5
791	69.8	70.3	0.5	<2	15	41	<0.5
792	70.3	70.8	0.5	<2	35	24	<0.5
793	70.8	71.3	0.5	<2	4	22	<0.5
794	84.7	85.2	0.5	<2	16	79	<0.5
795	85.2	85.7	0.5	<2	16	83	<0.5

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic Belt PROPERTY Detour Lake Date November, 1983

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm).
DL-83-28							
D00796	85.7	86.2	0.5	<2	22	110	0.5
797	86.2	86.7	0.5	3	79	97	1.0
798	86.7	87.2	0.5	<2	17	110	<0.5
799	87.2	87.7	0.5	3	45.0	71	0.5
800	87.7	88.5	0.8	<2	7.0	47	<0.5
801	88.5	89.0	0.5	<2	4.0	21	<0.5
802	89.0	89.5	0.5	<2	35	30	<0.5
803	89.5	90.0	0.5	<2	3.5	28	<0.5
804	90.0	90.5	0.5	4	5.0	42	<0.5
805	90.5	91.0	0.5	12	35	42	<0.5
806	91.0	91.5	0.5	<2	4.5	31	<0.5
807	91.5	92.0	0.5	<2	4.0	31	<0.5
808	92.0	92.5	0.5	<2	4.5	31	<0.5
809	92.5	93.0	0.5	5	16	39	1.0
810	93.0	93.5	0.5	<2	5.5	33.0	0.5
811	93.5	94.0	0.5	2	5.5	31.0	0.5
812	94.0	94.55	0.55	<2	10.0	21.0	0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-29

Property.....DETOUR LAKE
Location.....144 KM NE OF COCHRANE, ONT.

Grid.....12
Latitude.....L1+00 N
Departure.....0+75 E

Core Size.....B.Q.
Elev. Collar.....
Bearing.....270°
Dip.....-50°
Length.....104.2 m
Horiz. Trace...66. m.
Vert. Trace....81 m.

Starting Date.....April 8/83
Completion Date..April 9/83

Date Logged....April 9-10/83
Logged by.....R.B. SCRATCH

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50
16.8 m	58	-50°
104.2 m	60	-51.3

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0	17.1	OVERBURDEN/CASING					
		- reamed casing down to 19.0 m resulting in first					
		1.9 m of core being NQ size after which it					
		changes to BQ					
17.1	23.0	GARNETIFEROUS SILICEOUS SILTSTONE					
		- fine grained grey massive siliceous siltstone					
		with 1-2 mm size reddish anhedral garnets					
		developed in rocks slightly darker in colour					
		(more pelitic)					
		- rock very massive, bedding poor to non-existent					
		- garnet varies from 0-25% of rock unit but averages					
		5-10% throughout					
		- fracture controlled py+po occurs throughout section					
		and averages 1-2% (1:1)					
		- qtz veinlets + chlorite, py abundant					

GETTY MINES, LIMITED

Hole Number DL-83-29

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
23.0 m	24.5 m	FELDSPAR PORPHYRY DYKE								
		- grey coloured feldspar porphyry dyke								
		- contains 40% white anhedral feldspar crystals 2-3 mm in								
		diameter set in an ultrafine grained siliceous grey matrix								
		- upper and lower contacts sharp at 90° to c/a								
		- 10% fine biotite								
		- 0.5% py + po								
24.5	34.2	GARNETIFEROUS SILICEOUS SILTSTONE								
		- as at 17.1-23.0 m								
		- less garnet than before, will average 3% throughout								
		- rock contains more bedded py+po (2:1) averaging 2-3%								
		throughout with 10-15% at 34.1-34.2 m								
		- banding is highly variable 65-90° averaging 75-80° to c/a								
		- core ground at 26.3-26.6, 29.1-29.6								
34.2	37.2	CONDUCTOR - Quartz Pyrite Vein (?)	D00170	34.2	34.7	0.5	3	49	200	0.5
			D00171	34.7	35.2	0.5	1	11	34	<0.5
		- 34.2 - 34.3 - highly fractured light green siliceous	D00172	35.2	35.7	0.5	14	260	44	2.0
		rock, upper contact 85° to c/a, lower contact 25°	D00173	35.7	36.2	0.5	21	180	170	2.5
		to c/a	D00174	36.2	36.7	0.5	18	26	280	1.0
		- 34.3-34.4 - qtz pyrite vein with lower contact 25° to c/a	D00175	36.7	37.2	0.5	4	22	360	<0.5
		- 34.4-35.6 - light green siliceous rock as at 34.2-34.3,								
		badly ground at 35.0-35.6 m, contains 5% diss. py								
		- 35.6 - 37.2 - qtz-py vein containing 30% bleby pyrite								
		throughout vaguely banded at 65° to c/a. Lower contact								
		at 90° to ca. Most of the pyrite is concentrated								

GETTY MINES, LIMITED

Hole Number DL-83-29

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		at 35.6-36.5 (60% py)					
		minor chlorite at 36.7 m					
		very little py near lower contact					
		could be chert but mostly a qtz vein					
37.2 m	40.3 m	STRIPED FELSIC ROCK					
		- alternating stripes of cream and grey coloured siliceous					
		rock due to alteration. Presumably the cream colour					
		which postdates the grey colour is an alteration phenomenon					
		probably due to sausseritization of feldspar. This					
		rock is identical to the FELSIC TUFF logged in DL-83-28					
		- banding (stripes) at 70-90° to c/a					
		- rock probably a tuff with alteration banding paralleling					
		primary layering					
		- upper contact at 90° to ca					
		- lower contact at 35° to ca					
		- no sulphides					
40.3 m	42.2 m	INTERMEDIATE DYKE					
		- medium grained, light to medium green intermediate					
		dyke with upper and lower contacts discordant at 35-45°					
		to ca					
		- qtz chlorite epidote veinlet at 41.9 m					
		- rock has 1% pyrite cubes					
		- contains 30% 1 mm size biotite laths					

GETTY MINES, LIMITED

Hole Number DL-83-29

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
42.2 m	49.0 m	STRIPED FELSIC ROCK					
		- as at 37.2-40.3					
		- qtz - epidote-py-calcite vein at 44.7-44.8					
		- qtz - chlorite (black) py veinlet at 48.7m					
		- banding stripes at 70-80° to ca					
		- upper contact at 45° to ca					
		- lower contact at 70° ca					
		- 1% py					
49.0	50.2	QUARTZ - FELDSPAR PORPHYRY DYKE					
		- fine grained brown grey siliceous matrix with					
		40-50% porphyroblasts of quartz and feldspar (1:2)					
		- 1-2% pyrite					
		- sericitic alteration at lower contact					
		- upper contact at 70° to ca					
		- lower contact at 10° to ca					
50.2	57.3	STRIPED FELSIC ROCK					
		- as at 37.2-40.3 and 42.2-49.0					
		- stripes at 70° to ca					
		- 1-5 mm diameter red subhedral garnet in a quartz vein					
		at 53.4 m					
		- qtz chlorite garnet veinlet at 53.0					
		- a few qtz epidote veinlets in core					
		- py+po restricted to veinlets 1%					

GETTY MINES, LIMITED

Hole Number DL-83-29

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
57.3	57.8	INTERMEDIATE DYKE					
		- as at 40.3-42.2					
		- contains 10% disseminated py cubes					
		- upper contact at 90° to ca					
		- lower contact at 90° to ca					
57.8	59.6	STRIPED FELSIC ROCK					
		- as before at 37.2-40.3, 42.2-49.0, 50.2-57.3 m					
		but cream coloured alteration much more intense					
		and predominates over brown-grey stripes (90:10)					
		- banding at 80° to c/a					
		- lower contact sharp at 80° to ca					
		- one garnet at 58.45 m					
		- very minor pyrite					
59.6	60.8	FELDSPAR PORPHYRY DYKE (?)					
		- coarse grained cream to slightly grey massive					
		feldspar porphyry dyke (?)					
		- both contacts at 80° to c/a					
		- feldspar phenocrysts are 1-2 mm in size and make					
		up 30-40% o f rock					
		- contains 1-2% disseminated and fracture-controlled pyrite					
		- 20% fine grained biotite flakes throughout					

GETTY MINES, LIMITED

Hole Number DL-83-29

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
60.8	65.9	CONDUCTIVE ZONE	D00176	60.8	61.3	0.5	25	22	110	1.5
		- laminated py - po chert rock	D00177	61.3	61.8	0.5	23	36	95	3.0
		- contains 40% bedded py + po (3:1), 60% chert	D00178	61.8	62.3	0.5	41	42	56	2.5
		- bedded py + po contorted in spots	D00179	62.3	62.8	0.5	15	77	100	1.5
		- bedded py + po at 70-80° to c/a	D00180	62.8	63.3	0.5	78	170	190	3.5
		- sulphides and chert fragmented at 63.05-63.15 m	D00181	63.3	63.8	0.5	32	67	150	2.5
		- coarse po veinlet at 61.4 m	D00182	63.8	64.3	0.5	66	87	130	2.5
		- near bottom 1-3 cm bands of black	D00183	64.3	64.8	0.5	5	6	86	0.5
		magnetite begin to appear sometimes interbedded	D00184	64.8	65.3	0.5	10	32	130	1.0
		with py and po magnetite bands at 64.05, 64.8, 65.45	D00185	65.3	65.9	0.6	20	14	130	1.0
		65.7 - bands oriented at 70° to ca								
		- lower contact gradational - placed at the last appearance								
		of appreciable iron sulphide - down hole from here py +								
		po is present but 3-5%, only and magnetite becomes								
		dominant								
		- although this section is a conductor the sulphides are								
		spread out so much that this unit conducts poorly to								
		moderately at best and then only over short sections								

GETTY MINES, LIMITED

Hole Number DL-83-29

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
65.9	87.5	BANDED MAGNETITE BEARING CHERT ± py, po	D00186	65.9	66.4	0.5	18	18	110	0.5
			D00187	66.4	66.9	0.5	5	19	75	0.5
		- gradational from unit above	D00188	66.9	67.4	0.5	14	13	23	<0.5
		- black magnetite concentrated in 0.5-5 cm wide	D00189	67.4	67.9	0.5	1	9	12	<0.5
		bands in clear blueish chert constitutes 15%	D00190	67.9	68.4	0.5	56	14	29	<0.5
		of unit - in spots magnetite is associated with	D00191	68.4	68.9	0.5	3	15	13	<0.5
		chlorite which gives the rock a distinctive	D00192	68.9	69.4	0.5	5	27	23	0.5
		green tinge	D00193	69.4	69.9	0.5	13	43	25	1.0
		- frequently the magnetite is associated with one	D00194	69.9	70.4	0.5	14	48	13	1.0
		or both of po + py - the iron sulphides would	D00195	70.4	70.9	0.5	20	35	14	1.0
		average 3-5% throughout, usually banded but	D00196	70.9	71.4	0.5	8	31	16	0.5
		also fracture controlled	D00197	71.4	71.9	0.5	45	40	25	0.5
		- banding is at 70° to c/a	D00198	71.9	72.4	0.5	11	34	20	0.5
		- 84.0 - 87.4 - both magnetite and iron sulphide	D00199	72.4	72.9	0.5	120	58	8.5	1.0
		decreases rapidly in abundance - although	D00200	72.9	73.4	0.5	10	54	9.5	1.0
		rock is still magnetic, magnetite would	D00201	73.4	73.9	0.5	8	69	18	1.0
		average 5% and py + po 1%	D00202	73.9	74.4	0.5	18	33	23	0.5
		- 87.4-87.5 - a short section with 20% py + po (5:1)	D00203	74.4	74.9	0.5	8	20	10	0.5
			D00204	74.9	75.4	0.5	5	22	33	0.5
		- reddish garnets at 84.7 m	D00205	75.4	75.9	0.5	10	50	17	1.0
		- 75.2 - 75.45 quartz feldspar porphyry dyke as	D00206	75.9	76.4	0.5	6	320	180	0.5
		at 49.0-50.2 m	D00207	76.4	76.9	0.5	21	100	13	2.5
			D00208	76.9	77.4	0.5	19	63	23	1.5
			D00209	77.4	77.9	0.5	15	35	11	1.0
			D00210	77.9	78.4	0.5	8	45	15	1.0
			D00211	78.4	78.9	0.5	10	50	11	1.5
			D00212	78.9	79.4	0.5	16	58	25	1.0

GETTY MINES, LIMITED

Hole Number DL-83-29

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
87.5	97.3	Intercalated Felsic Tuff and Chert	D00213	79.4	79.9	0.5	18	40	17	1.0
			D00214	79.9	80.4	0.5	5	24	20	0.5
		- amount of blue white banded chert decreases	D00215	80.4	80.9	0.5	8	30	18	0.5
		down hole and the amount of light green banded	D00216	80.9	81.4	0.5	13	31	24	0.5
		quartz porphyritic felsic tuff increased down hole	D00217	81.4	81.9	0.5	8	29	48	0.5
			D00218	81.9	82.4	0.5	12	65	29	1.5
		- upper contact placed at the first appearance of felsic tuff	D00219	82.4	82.9	0.5	11	31	52	1.0
			D00220	82.9	83.4	0.5	42	58	59	1.5
		- banding at 70-80° to ca	D00221	83.4	83.9	0.5	10	39	41	1.0
		- tuff contains 5-10% 1-2 mm anhedral reddish garnets	D00222	83.9	84.4	0.5	11	31	89	1.0
			D00223	84.4	84.9	0.5	11	61	150	1.5
		- py runs 1%, po +mt present but rare	D00224	84.9	85.4	0.5	6	53	89	1.0
		- dark green chlorite alteration present as relic	D00225	85.4	85.9	0.5	13	42	95	3.0
		bands in both rock types and averages 15% throughout	D00226	85.9	86.4	0.5	10	23	30	0.5
		- 97.1-97.3 - quartz feldspar porphyry dyke	D00227 D00228	86.4 86.9	86.9 87.5	0.5 0.6	14 26	38 47	240 230	1.5 2.5
		as at 49.0-50.2 m								
97.3	104.2	QUARTZ - EYE PORPHYRITIC FELSIC TUFF								
		- light green almost creamy felsic tuff showing wavy								
		banding with 30% large (up to 1 cm) rounded bluish								
		quartz eyes which often show rotation and pressure								
		solution shadows								
		- void of sulphide								
		- distinctive unit								
104.2		END OF HOLE								

DRILL CORE ASSAYS

PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR LAKE JV Date MAY/83

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mn (ppm)	Mo (ppm)	As (ppm)
DL-83-29											
D 00170	34.2	34.7	0.5	3	49	200	0.5				
D 00171	34.7	35.2	0.5	1	11	34	<0.5	25	370	2	0.8
00172	35.2	35.7	0.5	14	260	44	2.0				
00173	35.7	36.2	0.5	21	180	170	2.5	<10	180	18	30.0
00174	36.2	36.7	0.5	18	26	280	1.0				
00175	36.7	37.2	0.5	4	22	360	<0.5	50	510	15	3.3
D 00176	60.8	61.3	0.5	25	22	110	1.5				
00177	61.3	61.8	0.5	23	36	95	3.0	<10	340	3	<5.0
00178	61.8	62.3	0.5	41	42	56	2.5				
00179	62.3	62.8	0.5	15	77	100	1.5	10	250	1	3.0
00180	62.8	63.3	0.5	78	170	190	3.5				
00181	63.3	63.8	0.5	32	67	150	2.5	10	780	16	6.7
00182	63.8	64.3	0.5	66	87	130	2.5				
00183	64.3	64.8	0.5	5	6	66	0.5	25	500	<1	2.2
00184	64.8	65.3	0.5	10	32	130	1.0				
00185	65.3	65.9	0.6	20	14	130	1.0	10	1300	<1	2.7
00186	65.9	66.4	0.5	18	18	110	0.5				
00187	66.4	66.9	0.5	5	19	75	0.5	10	700	<1	2.2
00188	66.9	67.4	0.5	14	13	23	<0.5				
00189	67.4	67.9	0.5	1	9	12	<0.5	50	190	<1	1.6
00190	67.9	68.4	0.5	56	14	29	<0.5				

PROJECT WABIGOON VOLCANIC BELT PROPERTY DETOUR LAKE J.V. Date May 1/85

DL-83-29 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mn (ppm)	Mo (ppm)	As (ppm)	
D 00191	68.4	68.9	0.5	3	15	13	<0.5	50	160	<1	1.1	
D 00192	68.9	69.4	0.5	5	27	23	0.5					
00193	69.4	69.9	0.5	13	43	25	1.0	25	250	<1	1.4	
00194	69.9	70.4	0.5	14	48	13	1.0					
00195	70.4	70.9	0.5	20	35	14	1.0	25	240	<1	3.4	
00196	70.9	71.4	0.5	8	31	16	0.5					
00197	71.4	71.9	0.5	45	40	25	0.5	10	530	<1	1.6	
00198	71.9	72.4	0.5	11	34	20	0.5					
00199	72.4	72.9	0.5	120	58	85	1.0	10	610	<1	2.2	
00200	72.9	73.4	0.5	10	54	9.5	1.0					
00201	73.4	73.9	0.5	8	69	18	1.0	25	450	<1	2.7	
00202	73.9	74.4	0.5	18	33	23	0.5					
00203	74.4	74.9	0.5	8	20	10	0.5	25	370	<1	4.7	
00204	74.9	75.4	0.5	5	22	33	0.5					
00205	75.4	75.9	0.5	10	50	17	1.0	10	310	<1	0.5	
00206	75.9	76.4	0.5	6	320	180	0.5					
00207	76.4	76.9	0.5	21	100	13	2.5	10	540	2	1.0	
00208	76.9	77.4	0.5	19	63	23	1.5					
00209	77.4	77.9	0.5	15	35	11	1.0	10	630	<1	1.8	
00210	77.9	78.4	0.5	8	45	15	1.0					
00211	78.4	78.9	0.5	10	50	11	1.5	10	2300	<1	8.3	
00212	78.4	79.4	0.5	16	58	25	1.0					

PROJECT DESMORAS VOLCANIC BELT PROPERTY DETOUR LAKE JV. Date MAY/83

DL-83-29 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppm)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Bi (ppm)	Mn (ppm)	Mo (ppm)	As (ppm)	
D 00213	79.4	79.9	0.5	18	40	17	1.0	10	960	<1	0.4	
00214	79.9	80.4	0.5	5	24	20	0.5					
00215	80.4	80.9	0.5	8	30	18	0.5	10	1190	<1	0.4	
00216	80.9	81.4	0.5	13	31	24	0.5					
00217	81.4	81.9	0.5	8	29	48	0.5	5	600	<1	0.2	
00218	81.9	82.4	0.5	12	65	29	1.5					
00219	82.4	82.9	0.5	11	31	52	1.0	25	1100	<1	0.9	
00220	82.9	83.4	0.5	42	58	59	1.5					
00221	83.4	83.9	0.5	10	39	41	1.0	25	940	<1	0.6	
00222	83.9	84.4	0.5	11	31	89	1.0					
00223	84.4	84.9	0.5	11	61	150	1.5	25	800	<1	0.6	
00224	84.9	85.4	0.5	6	53	89	1.0					
00225	85.4	85.9	0.5	13	42	95	3.0	25	1100	<1	0.9	
00226	85.9	86.4	0.5	10	23	30	0.5					
00227	86.4	86.9	0.5	14	38	240	1.5	25	790	4	0.9	
00228	86.9	87.5	0.6	26	47	230	2.5					

DRILL CORE ASSAYS

PROJECT ABITibi Volcanic Belt PROPERTY Detour Lake Date Dec. 28, 1983

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
DL-83-29							
D03125	32.2	32.7	0.5	<2	31	62	<0.5
126	32.7	33.2	0.5	3	32	61	<0.5
127	33.2	33.7	0.5	3	31	68	0.5
128	33.7	34.2	0.5	2	48	86	0.5
129	37.2	37.7	0.5	<2	15	260	<0.5
130	37.7	38.2	0.5	<2	4.5	17	<0.5
131	38.2	38.7	0.5	<2	4	21	<0.5
132	38.7	39.2	0.5	<2	4	19	<0.5
133	57.3	57.8	0.5	<2	19	98	0.5
134	57.8	58.3	0.5	12	7	86	<0.5
135	58.3	58.8	0.5	<2	5	33	<0.5
136	58.8	59.3	0.5	<2	4.5	32	<0.5
137	59.3	59.8	0.5	<2	8.5	37	0.5
138	59.8	60.3	0.5	<2	4.5	27	<0.5
139	60.3	60.8	0.5	<2	4.5	41	<0.5
140	87.5	88.0	0.5	58	30	190	<0.5
141	88.0	88.5	0.5	6	25	52	<0.5
142	88.5	89.0	0.5	19	10	250	<0.5

DRILL CORE ASSAYS

PROJECT ABITIBI Volcanic Belt PROPERTY DETOUR LAKE Date Nov. 28/83

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
DL-83-29							
D03143	89.0	89.5	0.5	62	22	510	<0.5
144	89.5	90.0	0.5	2000	6.5	200	1.0
145	90.0	90.5	0.5	16	70	100	<0.5
146	90.5	91.0	0.5	27	61	50	<0.5
147	91.0	91.5	0.5	4	36	75	0.5
148	97.3	97.8	0.5	<2	8	41	<0.5
149	97.8	98.3	0.5	4	5.5	90	<0.5
150	98.3	98.8	0.5	<2	6	38	<0.5
151	98.8	99.3	0.5	2	7.5	41	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-31

Property.....DETOUR LAKE J.V.....
Location.....144 Km NE COCHRANE, ONTARIO

Grid.....C-14.....
Latitude.....1+25S.....
Departure.....L1+00W.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....360°.....
Dip.....-50°.....
Length.....230.7 m.....
Horiz. Trace..139.5 m.....
Vert. Trace...183.0 m.....

Starting Date...April 29,.1983...
Completion Date. May 02,.1983....

Date Logged.....May. 1-3,.1983...
Logged by.....K.S.Sutherland....

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
40.8 m	-60°	-51°
108.8 m	-50°	-50.5°
224.6 m	-62°	-54°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0	41.1 m	OVERBURDEN - Sand, minor boulders					
41.1	43.6 m	QUARTZ FELDSPAR PORPHYRY					
		The rock is grey, medium to coarse grained, hard and non-magnetic. Mineralogy consists of ~30% white subhedral to euhedral 1 mm to 3 mm feldspar phenocrysts and ~10% subhedral grey 1 mm to 3 mm quartz phenocrysts. The groundmass is dary grey/black and fine grained. There is 1% disseminated pyrite. The lower contact is sharp 45° to core axis.					
43.6	51.6 m	FELSIC TUFF					
		The rock is grey to light grey, hard, fine to medium grained and non-magnetic. It is weakly to moderately banded 70° to 80° to core axis and contains weakly elongated quartz crystals 1 mm to 3 mm in size. There is trace sulphide. The lower contact is gradational over a few cm's.					
		49.7 - 50.0 and 50.5 - 50.7 m - The rock is softer, light green (sericitized ?) and the core is blocky.					
51.6	52.6 m	METASEDIMENTARY ROCK (SILTSTONE)					
		The rock is grey to dark grey, fine to medium grained, medium hard and non-magnetic. The rock is banded 5 mm to 1 cm 70° to core axis and bedding planes locally show soft sedimentary slump textures.					

GETTY MINES, LIMITED

Hole Number DL-83-31

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
52.6	56.9 m	DEBRIS FLOW								
		The rock is grey/brown, medium soft to medium hard, fine to very coarse grained and weakly magnetic throughout (po). The unit appears to be fragment supported (60-70% fragments, 30-40° matrix). The fragments are subrounded to subangular, 1 mm to 5 cm and consist of mafic volcanic, sediment, quartz + carbonate and sulphide (1-3% py/po as fragments and within fragments). The fragments are weakly to moderately elongated 70° to core axis.								
		The matrix is dark grey to black and fine grained.	D00551	55.3	56.3	1.0	13	120	180	1.0
56.9	57.7 m	CONDUCTIVE ZONE								
		The rock is black, fine grained, medium soft and locally weakly magnetic. Rock mineralogy consists of semi-massive graphite with fine bands and minor elongate blebs of 1-3% pyrite/pyrrhotite oriented 65° to 70° to core axis. Upper and lower contacts are sharp.	D00552	56.9	57.4	0.5	18	150	360	1.0
57.7	59.1 m	MAFIC DYKE (?)								
		The rock is find to medium grained, medium hard and locally magnetic. It contains minor quartz veining and 1% sulphide (py/po) Upper and lower contacts are well defined.								
59.1	64.8 m	DEBRIS FLOW								
		- as from 52.6 - 56.9 m								
		63.7 - 64.0 - carbonate in the matrix								
		64.3 - matrix in graphitic and moderately conductive	D00508	64.1	64.6	0.5	35	180	140	1.0
64.8 m	71.2 m	MAFIC VOLCANIC ROCK								
		The rock is fine to medium grained, medium hard/soft and weakly magnetic. The rock is weakly brecciated (subtle) with brown								

GETTY MINES, LIMITED

Hole Number DDH-83-31

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		angular fragments that give the rock a somewhat mottled								
		appearance. There is minor quartz + carbonate and 2-3% sulphide	D00509	70.3	71.3	1.0	5	110	47	0.5
71.2	72.5 m	CHERTY (SILICIFIED ?) ROCK								
		The rock is fine grained, grey, hard and magnetic throughout	D00510	71.3	71.8	0.5	2	44	79	1.0
		(po). The rock consists of 85%-95% quartz/chert with 5%	D00511	71.8	72.3	0.5	3	150	95	1.0
		carbonate and 3-5% pyrite/pyrrhotite	D00512	72.3	72.8	0.5	110	210	340	1.5
72.5	73.8 m	METASEDIMENTARY ROCK								
		The rock is grey/green, fine to medium grained and magnetic.	D00513	72.8	73.8	1.0	27	92	61	1.0
		There is 1-3% sulphide (disseminated and fine blebs) and the								
		the upper and lower contacts are sharp								
73.8	82.8 m	CONDUCTIVE ZONE								
		Sulphide-bearing cherty rock with minor graphitic horizons.								
		Rock mineralogy consists of 40-50% quartz/chert with 20-25%								
		pyrite/pyrrhotite and locally 20% graphite. The rock is locally								
		weakly laminated 45° to core axis and locally slumped and								
		weakly brecciated.								
		73.8 - 74.0 m - cherty sulphide rock with 15-20% blebby and	D00514	73.8	74.3	0.5	22	420	1400	1.0
		disseminated sulphide.								
		74.0 - 74.7 m - graphite rich sulphide-bearing rock with 15-	D00515	74.3	74.8	0.5	17	360	1500	1.0
		20% py/po as elongate blebs.								

GETTY MINES, LIMITED

Hole Number DL-83-31

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au/ppb	Cu(ppm)	Zn(ppm)	Ag(ppm)
		74.7 - 79.0 m - cherty sulphide rock with 20-25% py/po(5:1)	D00516	74.8	75.3	0.5	14	350	230	1.0
		weakly laminated 45° to core axis and brecciated. From	D00517	75.3	75.8	0.5	14	590	66	1.5
		75.8 - 78.0 m 25-30% sulphide and slumped beds.	D00518	75.8	76.3	0.5	39	820	27	1.5
			D00519	76.3	76.8	0.5	23	800	48	2.0
		79.0 - 79.9 m - Non-conductive - fine grained, green	D00520	76.8	77.3	0.5	8	650	110	2.5
		metasedimentary rock - magnetic with 1-2% sulphide	D00521	77.3	77.8	0.5	16	830	71	2.0
			D00522	77.8	78.3	0.5	6	420	610	1.0
		79.9 - 81.5 m - cherty sulphide with 15-20% sulphide	D00523	78.3	78.8	0.5	10	340	310	1.0
			D00524	78.8	79.3	0.5	6	280	200	1.0
		81.5 - 82.8 m - graphite sulphide bearing rock with minor	D00525	79.3	79.8	0.5	2	190	210	1.0
		quartz and 8-10% py/po. 82.0 - 82.5 non-conductive, well	D00526	79.8	80.3	0.5	6	470	49	1.5
		laminated 45° to core axis.	D00527	80.3	80.8	0.5	8	420	110	1.5
			D00528	80.8	81.3	0.5	5	350	550	1.5
			D00529	81.3	81.8	0.5	14	370	1800	2.0
			D00530	81.8	82.3	0.5	4	150	340	<0.5
			D00531	82.3	82.8	0.5	8	330	260	0.5
82.8	230.7 m	MAFIC VOLCANIC ROCK								
		The rock is grey/green, fine to medium grained (with some								
		minor coarser grained intervals - flow centres ?), medium	D00532	82.8	83.8	1.0	2	330	250	1.0
		hard to medium soft and locally magnetic.								
		The rock is locally amygdular and weakly brecciated.								
		There is 3-8% quartz and quartz + carbonate veining through-								
		out the rock, 5 mm to 1 cm wide with no dominant orientation								
		and locally minor accessory sulphide. Locally there are								
		biotitic and garnetiferous horizons and possible interflow								
		metasediments.								

GETTY MINES, LIMITED

Hole Number DL-83-31

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		83.8 - amygdules 99.3 - Quartz + carbonate breccia zone	D00533	85.6	86.0	0.4	4	180	44	0.5
		100.0 - 100.9 - biotitic - brown soft, contacts are gradational	D00534	99.3	99.7	0.4	15	240	160	1.0
		over a few cm's.								
		100.9 - 104.0 - Coarse grained								
		105.0 - 105.3 - 2-3% disseminated sulphide, weakly magnetic.	D00535	105.0	105.5	0.5	17	260	25	0.5
		< 5% subrounded pink garnets fine < 1 mm sulphide stringers								
		oriented 45° to core axis.								
		107.3 - 108.6 - coarse grained, non-magnetic								
		119.8 - 124.6 - Garnet bearing horizon with 10-20% pink 2 mm								
		to 8 mm garnets - locally garnet coalesce - 123.9 - 124.2 - non								
		garnet bearing.								
		141.2 - 2 cm wide quartz + pyrite vein oriented 70° to core axis	D00536	141.2	141.3	0.1	4	420	58	1.0
		147.7 - 148.0 - 1 cm wide quartz + minor carbonate vein with								
		1% py/po blebs.								
		157.8 - 161.4 m - Grey/brown rock (biotitic) medium soft, and	D00537	147.7	148.0	0.3	1	100	49	0.5
		non-magnetic 1-2% pyrite blebs and 3% quartz amygdules locally	D00538	149.5	150.0	0.5	<1	31	85	1.0
		foliated 70° to 80° to core axis. Upper and lower contacts								
		defined.								
		164.2 - 166.6 - brown (biotitic ?) weakly foliated 45° to core	D00541	168.2	168.7	0.5	3	240	54	1.0
		axis								
		169.5 - 15 cm wide quartz vein	D00542	169.5	169.65	0.15	1	160	17	0.5
		172.4 - 179.1 - DEBRIS FLOW/VOLCANIC FLOW BRECCIA - Upper and	D00539	172.3	172.5	0.2	2	56	51	1.0
		lower contacts are gradational. The rock is brown, medium soft	D00540	174.0	174.5	0.5	21	39	43	1.0

GETTY MINES, LIMITED

Hole Number DL-83-31

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm
		and locally weakly magnetic. The fragments (30-40%) are subangular to subrounded and appear to consist of mafic volcanic rock and quartz + carbonate with 1-2% sulphide. The matrix is fine grained and biotitic.								
		179.9 - 189.5 - Biotitic (brown) medium to coarse grained, very weakly magnetic, weakly carbonated contacts are gradational								
		191.8 - 199.4 - Coarse grained mafic volcanic rock (coarse flow centre ? recrystallized ?). Upper and lower contacts well defined.								
		199.4 - 204.1 - Silicified Zone - The rock is grey, fine grained and non-magnetic. It is hard to 202.3 m and soft to 204.1 m. It is weakly foliated (banded ?) 80° to 90° to core axis and contains minor 3 mm wide quartz + carbonate ± garnets and pyrite oriented 80° to core axis. 1% garnets (1 mm - 2 mm) - May be an interflow metasediment. Contacts well defined at high angle to the core axis.	D00543	199.9	200.9	1.0	2	17	41	0.5
			D00544	200.9	201.9	1.0	2	63	68	1.0
			D00545	201.9	202.9	1.0	1	32	100	1.0
			D00546	202.9	203.9	1.0	5	49	87	1.0
		204.1 - 205.5 m - Garnet bearing (Interflow ?) ~15% 1 mm-3 mm pink garnets weakly stretched 80° to core axis in a green fine grained medium soft and locally magnetic rock. There is 1-2% py/po. From 205.0 to 205.5 m - debris flow ?								

GETTY MINES, LIMITED

Hole Number DL-83-31

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm
		206.0 - 206.2 - Silicified zone (grey) or bleached zone								
		207.1 - 207.6 - minor quartz veining 5 cm (porphyry)	D00550	207.1	207.6	0.5	3	270	25	0.5
		208.7 - 209.4 - 5-8% pyrite in fine fracture filled (?) veinlets	D00547	208.7	209.4	0.7	310	51	37	1.0
		228.7 - 230.7 m - Weakly silicified zone. The rock is grey/green (blotchy) with minor garnets and 1-2% pyrite	D00548	228.7	229.7	1.0	5	140	34	0.5
			D00549	229.7	230.7	1.0	5	83	31	1.0
	230.7 m	END OF HOLE								

DRILL CORE ASSAYS

PROJECT [redacted] VOLCANIC BELT PROPERTY DEVIL LAKE J.V. Date MAY 15.

DL-83-31 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mo (ppm)	Mn (ppm)	As (ppm)	
D 00551	[illegible]	[illegible]	1.0	13	120	180	1.0	10	1	360	83.0	
D 00552	56.9	57.4	0.5	18	150	360	1.0	—	—		—	
D 00553	[illegible]	64.6	0.5	35	180	140	1.0	—	—	—	—	
D 00554	10.5	11.5	1.0	5	110	47	0.5	10	4	370	0.3	
D 00555	[illegible]	71.2	0.5	2	44	39	1.0	—	—	—	—	
D 00511	71.8	72.3	0.5	3	150	95	1.0	10	3	1200	0.4	
00512	72.3	72.8	0.5	110	210	340	1.5	—			—	
00513	72.8	73.8	0.5	27	92	61	1.0	10	3	220	0.4	
00514	73.8	74.3	0.5	22	420	1400	1.0	—	—		—	
00515	74.3	74.8	0.5	17	360	1500	1.0	10	5	250	2.7	
00516	74.8	75.3	0.5	14	350	230	1.0	—			—	
00517	75.3	75.8	0.5	14	590	66	1.5	10	16	190	2.6	
00518	75.8	76.3	0.5	39	820	27	1.5	—	—	—	—	
00519	76.3	76.8	0.5	23	800	48	2.0	10	6	100	**5.9**	
00520	76.8	77.3	0.5	8	650	110	2.5	—			—	
00521	77.3	77.8	0.5	16	830	71	2.0	10	16	190	0.6	
00522	77.8	78.3	0.5	6	420	610	1.0	—	—	—	—	
00523	78.3	78.8	0.5	10	340	310	1.0	10	10	190	0.4	
00524	78.8	79.3	0.5	6	280	200	1.0	—	—		—	
00525	79.3	79.8	0.5	2	190	210	1.0	<10	4	270	0.4	
00526	79.8	80.3	0.5	6	470	49	1.5	—	—	—	—	
00527	80.3	80.8	0.5	8	420	110	1.5	10	<1	460	0.7	
00528	80.8	81.3	0.5	5	350	550	1.5	—			—	

DRILL CORE ASSAYS

PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR LAKE J.V Date MAY 1983

DL-83-31 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Pb (ppm)	Mo (ppm)	Mn (ppm)	As (ppm)	
D 00529	81.3	81.8	0.5	14	570	1800	2.0	10	2	<490	6.7	
00530	81.8	82.3	0.5	4	150	340	<0.5	—			—	
00531	82.3	82.8	0.5	8	330	260	0.5	<10	7	230	0.6	
00532	82.8	83.8	1.0	2	330	250	1.0	—			—	
D 00533	85.6	86.0	0.4	4	180	44	0.5	<10	<1	320	0.9	
D 00534	99.3	99.7	0.4	15	240	160	1.0	—	—	—	—	
D 00535	105.0	105.5	0.5	17	260	75	0.5	10	<1	920	1.2	
D 00536	141.2	141.3	0.1	4	420	58	1.0	—		—	—	
D 00537	147.7	148.0	0.3	1	100	91	0.5	25	1	700	1.2	
D 00538	149.5	150.0	0.5	<1	31	85	1.0	—		—	—	
D 00540	1[illegible]	[illegible]	[illegible]	3	240	54	1.0	<10	<1	1400	2.7	
D 00541	[illegible]	[illegible]	0.5	1	160	17	0.5	—		—	—	
D 00539	[illegible].3	142.5	0.2	2	56	31	1.0	25	<1	1000	0.5	

[redacted] DRILL CORE ASSAYS [redacted] Page 3 of 3

PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR LAKE JV Date MAY/83

DL-83-31 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Ant (ppm)	Mn (ppm)	As (ppm)	
D-00540	174.0	174.5	0.5	21	39	43	1.0	—	—	—	—	
D-00543	199.9	200.9	1.0	2	17	41	0.5	25	<1	840	0.4	
00544	200.9	201.9	1.0	2	63	68	1.0	—	—	—	—	
00545	201.9	202.9	1.0	1	32	100	1.0	25	1	1200	0.2	
00546	202.9	203.9	1.0	5	49	87	1.0	—	—	—	—	
D 00547	[illegible]	[illegible]	[illegible]	310	51	37	1.0	<10	<1	1400	0.6	
D 00548	228.7	229.7	1.0	5	140	34	0.5	—	—	—	—	
00549	229.7	230.7	1.0	5	83	31	1.0	25	<1	1300	0.3	

DRILL CORE ASSAYS

Page 1 of 1

PROJECT Abitibi Volcanic Belt PROPERTY Detour Lake Date Nov. 28/83

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
DL-83-31							
D03152	53.3	53.8	0.5	3	91	150	1.0
153	53.8	54.3	0.5	<2	83	250	1.0
154	54.3	54.8	0.5	7	120	170	1.0
155	54.8	55.3	0.5	11	130	160	0.5
156	59.1	59.6	0.5	5	140	170	1.0
157	59.6	60.1	0.5	<2	140	120	1.0
158	60.1	60.6	0.5	<2	100	110	0.5
159	60.6	61.1	0.5	<2	98	81	1.0
160	61.1	61.6	0.5	<2	152	110	0.5
161	61.6	62.1	0.5	<2	180	170	1.0
162	207.6	208.1	0.5	6	72	56	0.5
163	208.1	208.7	0.6	60	62	37	0.5
164	209.4	209.9	0.5	12	250	71	0.5
165	209.9	210.4	0.5	10	110	43	0.5
166	210.4	210.9	0.5	<2	57	31	0.5
167	210.9	211.4	0.5	<2	84	38	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-32

Property: DETOUR LAKE J.V.
Location: 144 Km.NE COCHRANE, ONTARIO.
Grid: C-15
Latitude: 0+75S
Departure: 13+00W

Core Size: BQ
Elev. Collar:
Bearing: 020°
Dip: -50°
Length: 148.4 m
Horiz. Trace: 85.5 m
Vert. Trace: 121.5 m

Starting Date: April 26, 1983
Completion Date: April 28, 1983
Date Logged: April 27-28, 1983
Logged by: K. S. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
17.1 m	-63°	-55°
148.4 m	-65°	-57°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0	17.1 m	OVERBURDEN - Boulders, sandy till					
17.1	47.8	DEBRIS FLOW (LAHAR)					
		The rock is grey, hard, fine to very coarse grained and non-magnetic. The fragments and subangular to subrounded, 1 mm to 15 cm and vary in composition from mafic volcanic, euhedral to subhedral quartz and feldspar crystals chert, sulphide, metasediment, granodiorite etc. The matrix is fine grained and siliceous. Fine disseminated sulphide present to 2%, locally 5% closer to contact with graphite/sulphide bearing conductive zone . There appears to be no sorting within the unit but there is a variation in the concentration of fragments from fine grained matrix supported to coarse grained matrix supported. Locally minor bleaching of matrix and weak banding (coarse to fine over 4 cm) 80° to core axis.					
		The debris flow is interupted by a fine grained grey siltstone argillaceous banded metasedimentary rock.					
		19.0 - 19.4 - mafic volcanic (possibly a coarse fragment) contacts are sharp					

GETTY MINES, LIMITED

Hole Number DL-83-32

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		20.7 - 20.8 - Coarse pink garnets in band of green (chlorite) rock.					
		21.1 - 21.5 - Green amphibolitized mafic volcanic (fragment ?)					
		23.4 - 23.6 - rock grades from course to fine. A 10 cm wide chert rich band (with minor po)					
		23-9 - A 8 cm mafic fragment					
		29.6 - 29.8 - fine to course matrix sharp contacts.					
		30.9 - 32.2 - fine grained matrix with 1% fragments, weakly banded 90° to core axis. bands 3-4 cm wide.					
		34.3 - 35.7 - fine grained interval, minor bleaching. Fine grained, darker grey then coarse grained					
47.8	53.8	SILTSTONE/ARGILLITE The rock is fine grained, grey, medium hard and non-magnetic. It is banded (2 mm to 1 cm) 80° to 90° to core axis and bands exhibit soft sedimentary deformation textures. Contains 1-2% disseminated pyrite. Upper contact is sharp 80° to core axis (slightly undulating). Lower contact is gradational over a few cm's and mylonization of bands is observed over the last 50 cm of unit.					

GETTY MINES, LIMITED

Hole Number DL-83-32

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
53.8	85.8	DEBRIS FLOW								
		- as 17.1 to 47.8 m								
		- fragments vary in density from matrix supported to almost fragment supported								
		- Possible graded bedding from fine to coarse over interval of 20 to 50 cm's.								
		General observation - most of the very large fragments appear to be up hole								
		- Lower contact is gradational over a few cm's. Debris flow is graphitic near contact, finer grained with an increase in sulphide (py) content 2-3% (disseminated, rimming fragments and as small fragments								
		54.4 - 54.6 - brown soft, weakly foliated 80° to core axis (intrusion ?, fragment ?)	D00420	84.0	84.5	0.5	1	27	83	0.5
			D00421	84.5	85.0	0.5	3	28	77	<0.5
		58.6 - 64.8 - cherty - more siliceous than other sections	D00422	85.0	85.5	0.5	11	22	50	<0.5
85.8	90.6	CONDUCTIVE ZONE	D00423	85.5	86.0	0.5	9	15	140	<0.5
		- Sulphide bearing graphitic rock containing 50% graphite,	D00424	86.0	86.5	0.5	21	83	2200	0.5
		15-20% pyrite as fine veinlets and framboids to 3 cm and	D00425	86.5	87.0	0.5	21	75	2800	0.5
		20% quartz as (fractured filled ?) veinlets and occasionally	D00426	87.0	87.5	0.5	50	78	3000	0.5
		rimming pyrite framboids. The pyrite framboids are round	D00427	87.5	88.0	0.5	48	110	2500	1.0
		without much deformation and exhibit two colours (different	D00428	88.0	88.5	0.5	33	69	2300	0.5
		ages ?). The rock is locally weakly laminated 45° to 80° to	D00429	88.5	89.0	0.5	26	72	1700	<0.5
		core axis and upper contact is gradational over a few cm's.	D00430	89.0	89.5	0.5	15	56	1600	<0.5
		The rock is fine grained, black, medium soft and non-magnetic	D00431	89.5	90.0	0.5	53	280	2000	0.5
		90.4 to 90.5 m Siliceous metasedimentary Rock	D00432	90.0	90.5	0.5	38	240	2300	0.5
		1-2% sulphide.								

GETTY MINES, LIMITED

Hole Number DL-83-32

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
90.6	92.0 m	SILICEOUS METASEDIMENTARY ROCK								
		The rock is grey, hard, fine to medium grained and locally weakly	D00433	90.5	91.5	1.0	5	23	300	0.5
		magnetic where po is present. Contains 2-3% disseminated py/po.	D00434	91.5	92.0	0.5	25	120	1800	0.5
		Upper and lower contacts sharp ~ 50° to core axis.								
		91.5 - 91.6 m - Sulphide bearing graphitic rock								
92.0	92.9 m	CONDUCTIVE ZONE								
		Sulphide bearing graphitic rock	D00435	92.0	92.5	0.5	26	110	1400	0.5
		- as 85.8 to 90.6 m 15 to 20% pyrite								
92.9	94.8 m	SILICEOUS METASEDIMENTARY ROCK								
		- as 90.6 to 92.0 m	D00436	92.5	93.5	1.0	2	100	300	<0.5
		- locally very weakly magnetic	D00437	93.5	94.5	1.0	2	17	110	<0.5
		- contacts sharp 45° to 55° to core axis	D00438	94.5	95.0	0.5	21	77	980	0.5
4.8	99.7 m	CONDUCTIVE ZONE								
		- Sulphide bearing graphitic rock	D00439	95.0	95.5	0.5	86	47	2300	1.0
		- 25-35° pyrite	D00440	95.5	96.0	0.5	90	30	1700	1.0
		Semi-massive pyrite bands oriented ~ 75° to core axis	D00441	96.0	96.5	0.5	33	120	1900	1.0
		at: 95.2 to 95.4 m, 95.5 to 95.6 m and 95.7 to 95.8 m	D00442	96.5	97.0	0.5	53	50	4000	1.0
			D00443	97.0	97.5	0.5	4	82	650	0.5
		96.3 - 96.5 m Siliceous Metasedimentary Rock	D00444	97.5	98.0	0.5	7	63	970	0.5
		very weakly magnetic	D00445	98.0	98.5	0.5	5	98	80	0.5
			D00446	98.5	99.0	0.5	1	210	61	0.5
		97.6 to 97.7 - Rock is weakly laminated 75° to 80° to core	D00447	99.0	99.5	0.5	3	250	91	<0.5
		axis - fine pyrite and quartz bands 5-8° pyrite								

GETTY MINES, LIMITED

Hole Number DL-83-32

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
99.7	100.5 m	SILICEOUS METASEDIMENTARY ROCK								
		as 90.6 to 92.0	D00448	99.5	100.5	1.0	< 1	53	130	0.5
		- 1-2% disseminated sulphide								
		- non magnetic								
		contacts sharp 80° to core axis								
100.5	119.5 m	CONDUCTIVE ZONE								
		- 100.5 - 108.4 - sulphide bearing graphitic with 25-30% pyrite	D00449	100.5	101.0	0.5	24	150	2700	1.0
		as fine veinlets and round framboids to 2 cm (locally they	D00450	101.0	101.5	0.5	64	78	2600	1.0
		coalesce) 15% quartz/fracture filled ? veinlets. Grey	D00451	101.5	102.0	0.5	67	260	6800	1.0
		weakly brecciated or debris flow from 106.8 to 107.1.	D00452	102.0	102.5	0.5	68	190	6600	1.0
		Siliceous metasedimentary rock from 102.9 to 103.1 and 107.1	D00453	102.5	103.0	0.5	40	95	2900	1.0
		to 107.3. Fine pyrite bands 105.0 to 105.2 m and 105.6 to	D00454	103.0	103.5	0.5	32	53	1100	1.0
		105.8 m. Soft sediment deformation starting ~ 103.5 m	D00455	103.5	104.0	0.5	73	150	1200	1.5
			D00456	104.0	104.5	0.5	71	220	1800	1.5
		- 108.4 - 114.5 - semi-massive fine pyrite weakly laminated	D00457	104.5	105.0	0.5	66	240	1400	1.5
		with 20% quartz ~ 60° to core axis. Contacts gradational.	D00458	105.0	105.5	0.5	49	76	1600	1.0
		Quartz/pyrite banded ~ 60° to core axis ~ 1 cm wide from	D00459	105.5	106.0	0.5	60	110	1200	1.0
		108.5 to 108.8 m	D00460	106.0	106.5	0.5	87	96	1600	1.0
		111.9 to 112.1 m - Quartz rich bands with 10% pyrite.	D00461	106.5	107.0	0.5	54	130	1000	1.0
		Locally brecciated (quartz/pyrite) from 113.9 to 114.3 m	D00462	107.0	107.5	0.5	< 1	55	46	0.5
			D00463	107.5	108.0	0.5	21	120	1300	1.0
		- 114.5 - 119.5 - Sulphide bearing graphitic rock with 10-15%	D00464	108.0	108.5	0.5	40	95	1200	1.0
		pyrite (fine veinlets and framboids - locally framboids	D00465	108.5	109.0	0.5	31	61	390	1.0
		coalesce). Contains 10% quartz veinlets and locally slumped/	D00466	109.0	109.5	0.5	36	70	390	1.0
		brecciated. From 116.6 to 116.8 - Siliceous metasedimentary	D00467	109.5	110.0	0.5	33	69	740	1.0
		rock.								

GETTY MINES, LIMITED

Hole Number DL-83-32

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
119.5	120.6 m	SILICEOUS METASEDIMENTARY ROCK - as 90.6 - 92.0 m	D00468	110.0	110.5	0.5	31	75	330	1.0
		- 1-2% disseminated sulphide	D00469	110.5	111.0	0.5	27	60	220	1.0
		- non magnetic	D00470	111.0	111.5	0.5	27	150	2400	0.5
		- contact irregular but sharp - ~20% to core axis	D00471	111.5	112.0	0.5	30	93	1200	1.0
			D00472	112.0	112.5	0.5	5	34	270	1.0
120.6	129.3 m	CONDUCTIVE ZONE	D00473	112.5	113.0	0.5	17	20	170	<0.5
		120.6 - 125.9 - Sulphide bearing graphitic rock. The rock is	D00474	113.0	113.5	0.5	22	16	130	<0.5
		locally slumped and brecciated. Contains 20-25% sulphide	D00475	113.5	114.0	0.5	23	19	170	<0.5
		as framboids and fine veinlets - locally framboids are	D00476	114.0	114.5	0.5	28	51	800	1.0
		fractured and filled with quartz. From 124.4 to 125.9 - rock	D00477	114.5	115.0	0.5	42	150	1300	1.0
		is magnetic due to 20-25% pyrrhotite framboids (10-15% pyrite).	D00478	115.0	115 5	0.5	97	110	930	1.5
		15-20% quartz from 120.8 to 121.9 quartz veins oriented 45° to	D00479	115.5	116.0	0.5	89	87	920	1.5
		55° to core axis	D00507	116.0	116.5	0.5	140	280	1600	2.0
			D00480	116.5	117.0	0.5	40	250	810	1.0
		125.9 - 129.3 - Massive to semi-massive finely disseminated	D00481	117.0	117.5	0.5	91	97	1000	1.5
		pyrrhotite with minor quartz and carbonate in matrix. The	D00482	117.5	118.0	0.5	36	49	960	1.0
		rock is weakly brecciated at 125.9 with minor quartz bands.	D00483	118.0	118.5	0.5	25	110	2000	0.5
		Very good conductor. Decrease in pyrrhotite to 15-20% to	D00484	118.5	119.0	0.5	48	170	1500	1.0
		129.3. Bottom contact is sharp - marked by change in	D00485	119.0	119.5	0.5	52	170	1700	1.0
		conductivity.	D00486	119.5	120.5	0.5	5	55	790	0.5
			D00487	120.5	121.0	0.5	42	150	1700	1.0
129.3	148.4 m	MAFIC VOLCANIC ROCK	D00488	121.0	121.5	0.5	39	200	2000	1.0
		The rock is green, fine to medium grained, medium soft and	D00489	121.5	122.0	0.5	31	70	1500	0.5
		magnetic. The rock is moderately carbonated. It is locally	D00490	122.0	122.5	0.5	73	73	2500	1.0
		garnetiferous with pink 1 mm to 3 mm garnets in a dark green	D00491	122.5	123.0	0.5	72	70	6400	1.5
		chloritic rock at 137.0 m (2 cm wide) and 137.5 (3 cm wide).	D00492	123.0	123.5	0.5	52	33	2500	1.0

GETTY MINES, LIMITED

Hole Number DL-83-32

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppb)	Ag(ppm)
		Quartz + carbonate veining is present throughout 3-5%	D00493	123.5	124.0	0.5	80	110	1500	1.5
		of the rock oriented 45° to 55° to core axis. There is	D00494	124.0	124.5	0.5	21	240	860	1.0
		no apparent accessory mineralization. There is <1% diss-	D00495	124.5	125.0	0.5	6	390	910	<0.5
		eminated sulphide present in the rock.	D00496	125.0	125.5	0.5	4	620	860	<0.5
			D00497	125.5	126.0	0.5	5	330	960	1.0
	148.4 m	END OF HOLE	D00498	126.0	126.5	0.5	4	400	37	1.5
			D00499	126.5	127.0	0.5	4	760	1	2.0
			D00500	127.0	127.5	0.5	2	790	25	2.5
			D00501	127.5	128.0	0.5	<1	430	22	3.0
			D00502	128.0	128.5	0.5	2	380	82	1.5
			D00503	128.5	129.0	0.5	2	370	110	1.0
			D00504	129.0	129.5	0.5	<1	240	180	1.0
			D00505	129.5	130.5	1.0	1	14	72	1.0
			D00506	131.7	132.0	0.5	1	12	20	1.0

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic Belt PROPERTY Detour Lake JV Date MAY 1983

DL 83-32 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mo (ppm)	Mn ppm	As (ppm)
00430	84.00	84.50	0.50	1	27	83	0.5	–	–		–
00431	84.50	85.0	0.50	3	28	77	<0.5	10	<1	690	411.0
00432	85.0	85.5	0.50	11	22	50	<0.5	–	–	–	–
00433	85.5	86.0	0.50	9	15	140	<0.5	100	<1	130	93.0
00434	86.0	86.5	0.50	21	83	2200	0.5	–		–	–
00435	86.5	87.0	0.50	21	75	2800	0.5	<10	17	280	390
00436	87.0	87.5	0.50	50	78	3000	0.5	–	–	–	–
00437	87.5	88.0	0.50	48	110	2500	1.0	<10	11	240	380
00438	88.0	88.5	0.50	33	69	2300	0.5	–	–		–
00439	88.5	89.0	0.50	26	72	1700	<0.5	10	15	180	200
00440	89.0	89.5	0.50	15	56	1600	<0.5	–	–	–	–
00441	89.5	90.0	0.50	53	280	2000	0.5	<10	12	170	370
00442	90.0	90.5	0.50	38	240	2300	0.5	–	–	–	–
00443	90.5	91.5	1.0	5	23	300	<0.5	10	3	170	56.0
00444	91.5	92.0	0.50	25	120	1800	0.5	–	–	–	–
00445	92.0	92.5	0.50	26	110	1400	0.5	10	9	190	230
00446	92.5	93.5	1.0	2	100	300	<0.5	–	–	–	–
00447	93.5	94.5	1.0	2	17	110	<0.5	10	<1	250	3.3
00448	94.5	95.0	0.5	21	77	980	0.5	–	–	–	–
00449	95.0	95.5	0.5	86	47	2300	1.0	<10	5	120	390
00450	95.5	96.0	0.5	90	30	1700	1.0	–	–	–	–
00451	96.0	96.5	0.5	33	120	1900	1.0	<10	3	500	240

PROJECT Abitibi Volcanic Belt PROPERTY Detour Lake JV Date May/83

DL-83-32 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au ppb	Cu ppm	Zn ppm	Ag ppm	B (ppm)	Mo (ppm)	Mn (ppm)	Pb (ppm)
00442	96.5	97.0	0.5	53	50	4000	1.0	-	-	-	-
00443	97.0	97.5	0.5	4	82	650	0.5	<10	7	230	480
00444	97.5	98.0	0.5	7	63	970	0.5	-	-	-	-
00445	98.0	98.5	0.5	5	98	80	0.5	25	6	230	130
00446	98.5	99.0	0.5	1	210	61	0.5	-	-	-	-
00447	99.0	99.5	0.5	3	250	91	<0.5	50	8	230	120
00448	99.5	100.5	0.5	<1	53	130	<0.5	-	-		-
00449	100.5	101.0	0.5	24	150	2700	1.0	10	6	400	130
00450	101.0	101.5	0.5	64	78	2600	1.0	-	-	-	-
00451	101.5	102.0	0.5	67	260	6800	1.0	10	7	290	220
00452	102.0	102.5	0.5	68	190	6600	1.0	-	-		-
00453	102.5	103.0	0.5	40	95	2900	1.0	10	5	<10	260
00454	103.0	103.5	0.5	32	53	1100	1.0	-	-		-
00455	103.5	104.0	0.5	73	150	1200	1.5	10	8	210	360
00456	104.0	104.5	0.5	71	220	1800	1.5	-	-	-	-
00457	104.5	105.0	0.5	66	240	1400	1.5	10	8	310	420
00458	105.0	105.5	0.5	49	76	1600	1.0	-	-	-	-
00459	105.5	106.0	0.5	60	110	1200	1.0	<10	6	340	360
00460	106.0	106.5	0.5	87	96	1600	1.0	-	-	-	-
00461	106.5	107.0	0.5	54	130	1000	1.0	10	4	540	310
00462	107.0	107.5	0.5	<1	55	46	0.5	-	-	-	-
00463	107.5	108.0	0.5	21	120	1300	1.0	10	4	800	170

PROJECT Abitibi Volcanic Belt PROPERTY Detour Date May 81

DL 83-32.

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Mo ppm	Mn ppm	As ppm		
00464	108.0	108.5	.5	40	95	1200	1.0	-		-	-		
00465	108.5	109.0	.5	31	61	390	1.0	<10	<1	>4000	270	(0.4	
00466	109.0	109.5	.5	36	70	390	1.0	-	-	-	-		
00467	109.5	110.0	.5	33	69	740	1.0	<10	<1	>4000	270	(0.76	
00468	110.0	110.5	.5	31	75	330	1.0	-			-		
00469	110.5	111.0	.5	27	60	220	1.0	<10	<1	>4000	140	(0.9	
00470	111.0	111.5	.5	27	150	2400	0.5	-			-		
00471	111.5	112.0	.5	30	93	1200	1.0	<10	<1	>4000	140	(0.93	
00472	112.0	112.5	.5	5	34	270	1.0	-	-	-	-		
00473	112.5	113.0	.5	17	20	170	<0.5	<10	<1	>4000	160	(0.8	
00474	113.0	113.5	.5	22	16	130	<0.5	-	-		-		
00475	113.5	114.0	.5	23	19	170	<0.5	<10	<1	4160	230		
00476	114.0	114.5	.5	28	51	800	1.0	-	-	-	-		
00477	114.5	115.0	.5	42	150	1300	1.0	10	4	1100	240		
00478	115.0	115.5	.5	97	110	930	1.5	-			-		
00479	115.5	116.0	.5	89	87	920	1.5	<10	7	4160	4160		
00507	116.0	116.5	.5	140	280	1600	2.0	-	-	-	7410		
00480	116.5	117.0	.5	40	250	810	1.0	10	6	300	-		
00481	117.0	117.5	.5	91	97	1000	1.5	-	-	-	350		
00482	117.5	118.0	.5	36	49	960	1.0	10	15	700	-		
00483	118.0	118.5	.5	26	110	2000	0.5	-	-		140		
00484	118.5	119.0	.5	48	170	1500	1.0	10	11	560	-		

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic Belt PROPERTY Detour Date MAY 133

DL-83-32 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Pb (ppm)	Mo (ppm)	Mn (ppm)	As (ppm)	
00485	119.0	119.5	.5	52	170	1700	1.0	10	11	560	190	
00486	119.5	120.5	1.5	5	55	790	0.5	—	-	-	—	
00487	120.5	121.0	.5	42	150	1700	1.0	10	9	920	140	
00488	121.0	121.5	.5	39	200	2000	1.0	—	-	-	—	
00489	121.5	122.0	.5	31	70	1500	0.5	10	10	680	210	
00490	122.0	122.5	.5	73	73	2500	1.0	—	-	-	—	
00491	122.5	123.0	.5	72	70	6400	1.5	10	8	570	180	
00492	123.0	123.5	.5	52	33	2500	1.0	—	-	-	—	
00493	123.5	124.0	.5	80	110	1500	1.5	4140	5	820	370	
00494	124.0	124.5	.5	21	240	860	1.0	—	-		—	
00495	124.5	125.0	.5	6	390	910	<0.5	<10	4	1100	6.7	
00496	125.0	125.5	.5	4	620	860	<0.5	-	—	-	—	
00497	125.5	126.0	.5	5	330	960	1.0	10	3	420	13.0	
00498	126.0	126.5	.5	4	400	37	1.5	—	-		—	
00499	126.5	127.0	.5	4	760	1	2.0	<10	<1	<100	0.2	
00500	127.0	127.5	.5	2	790	25	2.5	—	-	-	—	
00501	127.5	128.0	.5	<1	430	22	3.0	<10	<1	>41000	0.3	(0.93%
00502	128.0	128.5	.5	2	380	82	1.5	—	—	—	—	
00503	128.5	129.0	.5	2	370	110	1.0	<10	<1	>41000	1.0	(1.84%
00504	129.0	129.5	.5	<1	240	180	1.0	—	—	-	—	
00505	129.5	130.5	1.0	1	14	72	1.0	<10	<1	>41000	0.7	(1.32%
00506	131.7	132.0	.30	1	12	20	1.0	—	—	-	—	

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic Belt PROPERTY Detour Lake Date Nov. 28, 1983

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
DL-83-32							
D03168	58.0	58.5	0.5	<2	30	65	<0.5
169	58.5	59.0	0.5	<2	24	44	<0.5
170	59.0	59.5	0.5	<2	24	63	<0.5
171	59.5	60.0	0.5	<2	21	85	<0.5
172	60.0	60.5	0.5	<2	26	57	<0.5
173	60.5	61.0	0.5	<2	29	59	<0.5
174	81.0	81.5	0.5	<2	21	81	<0.5
175	81.5	82.0	0.5	4	30	83	<0.5
176	82.0	82.5	0.5	<2	21	64	<0.5
177	82.5	83.0	0.5	<2	29	82	<0.5
178	83.0	83.5	0.5	<2	28	93	<0.5
179	83.5	84.0	0.5	<2	27	110	<0.5

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GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-36

Property.....DETOUR LAKE.....
Location..144 KM. NE of Cochrane, Ont.

Grid....EAST '0'.....
Latitude...10+85N.....
Departure..1+41+00E.....

Core Size....BQ.....
Elev. Collar.....
Bearing.....020°.....
Dip.....-45°.....
Length....197.5.....
Horiz. Trace...155.0m.....
Vert. Trace....125.9m.....

Starting Date..NOVEMBER 17, 1983
Completion Date.November 19, 1983

Date Logged. NOVEMBER 17, 19, 1983
Logged by...DC. RUPPERHAM...

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-45°
30.5	54°	-45°
106.7	-45°	-36°
162.9	-45°	-36°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY AU (PPB)	ASSAY CU (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
0	28.2	OVERBURDEN.								
28.2	59.2	MAFIC - INTERMEDIATE Volcanic Rock.	D00813	30.93	31.43	0.5	<2	220	60	1.0
		- the rock is green to grey-green, hard, non-magnetic, and medium-grained	14	42.19	42.69	0.5	<2	82	25	0.5
		- massive	15	49.37	49.87	0.5	<2	50	75	1.0
		- 60% amphibole, 40% plagioclase.	16	49.87	50.37	0.5	<2	76	76	1.0
		- 1% disseminated py/po throughout. Locally 1mm - 5mm blebs associated with quartz veins.	17	50.99	51.49	0.5	<2	41	69	0.5
		- 2-3% quartz and quartz carbonate veins generally 2mm-8mm wide and oriented 30°-50° to CA. They are regularly spaced at 1-2cm. Concentration of quartz-carbonate veins increases at 48m.								
		- minor brecciated zones up to 10cm wide with 1-2% py/po and minor carbonate and chlorite.								
		- randomly oriented fractures at a shallow angle to CA [redacted]								

GETTY MINES, LIMITED

Hole Number DL-83-36

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		41.8 ; two 1cm wide quartz veins oriented 60° to CA . No accessory minerals .								
		42.0 ; a 2cm wide quartz vein oriented 10° to CA , with chlorite and 1% sulphides .								
		51.0 - 51.3 ; quartz vein with chlorite and pyrite along some fracture surfaces . Minor carbonate in quartz in some places .								
59.21	73.96	BLACK ARGILLITE / INTERBEDDED FELSIC TUFF	000818	59.17	59.67	0.5	<2	130	100	0.5
		- the rock is 70% black argillite , fine-grained , hard , non-magnetic to slightly magnetic where sulfide concentration is higher	19	59.67	60.17	0.5	2	46	170	<0.5
			20	60.17	60.67	0.5	2	35	130	<0.5
			21	60.67	61.17	0.5	<2	42	320	<0.5
			22	61.17	61.67	0.5	4	140	130	2.5
		- 30% felsic tuff , light to dark grey , medium hardness , fine-grained (ash) , and non-magnetic .	23	61.67	62.17	0.5	3	85	260	0.5
			24	62.17	62.67	0.5	11	160	420	1.0
			25	62.67	63.17	0.5	3	130	130	1.0
		- there are some weakly conductive graphitic sulfide - bearing horizons , up to 5 cm wide , throughout .	26	65.38	65.88	0.5	9	260	84	1.0
			27	66.90	67.40	0.5	6	520	200	1.0
			28	67.40	67.90	0.5	3	320	220	1.5
		- minor po and py (up to 5%) occurs in blebs and stringers throughout .	29	67.90	68.40	0.5	2	420	230	1.5
			30	68.40	68.90	0.5	2	1100	110	1.0
		- quartz - carbonate stringers and veins throughout , ranging in thickness from 1mm to 10cm , oriented 20° to 60° to CA .	31	71.74	72.24	0.5	8	310	1200	1.0
			32	72.76	73.26	0.5	<2	72	180	0.5
			33	73.26	73.77	0.5	2	94	780	3.0
			34	73.77	74.27	0.5	36	130	380	1.0
		64.0 - 64.2 ; mafic dyke , with upper and lower contacts 90° to CA , grey to dark green , medium grained , non-magnetic , carbonatized along fractures surfaces , medium hardness , intruding a siliceous zone .								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-36

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		68.10 - 68.5 : weak to moderate conductive zone in felsic tuff, strongly cordanalyzed in places, well-bedded (50° to CA), up to 20% py + py (disseminated, stringers, and semi-massive)								
73.9	75.9	CONDUCTIVE ZONE	D00835	74.27	74.77	0.5	47	110	830	1.5
		- sulfide-bearing metasedimentary rock, light to dark grey, hard, fine-grained, locally magnetic	36	74.77	75.27	0.5	49	140	1300	1.0
			37	75.27	75.77	0.5	39	100	120	1.0
		- 30% - 40% graphite throughout								
		- 25% - 30% pyrite, disseminated, veined, and semi-massive. Not more than 5% py present.								
		- carbonate alteration in places, especially along fracture surfaces. Some quartz-carbonate veins present, as at 75.7, not exceeding 2cm in width. These are sulfide bearing as well.								
		- entire section bedded, 30° - 40° to CA.								
		- some non-mineralized bands of black argillite present, as at 75.1 (2-3 cm wide).								
		74.7 - 74.9 : possibly a tuffaceous layer (?) with disseminated sulfides, bedding at 30° to CA.								
75.9	85.5	BANDED ARGILLITE	D00836	75.77	76.27	0.5	<2	120	120	<0.5
		- dark grey to black, magnetic, hard, and very fine-grained.	39	76.27	76.77	0.5	4	190	350	0.5
		- bedding 30° to CA.	40	76.77	77.27	0.5	<2	120	130	1.0
		- some quartz-carbonate stringers present, concordant with bedding, and not	41	77.27	77.77	0.5	2	190	980	0.5
			42	77.77	78.27	0.5	<2	120	200	1.0
			43	78.27	78.77	0.5	<2	80	200	1.0
			44	78.77	79.27	0.5	<2	220	130	1.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-36

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
		more than 5mm wide. Some irregular veining in turbid areas, as at 77.0.	DCO845	79.27	79.77	0.5	<2	75	550	2.5
		- 5-7% po + py, occurring in stringers consistent with bedding, and in blebs up to 1cm in diameter, and disseminated throughout	46	79.77	80.27	0.5	<2	89	370	1.0
			47	81.36	81.66	0.5	5	97	610	1.0
			48	83.18	83.68	0.5	<2	110	610	1.0
			49	83.68	84.18	0.5	<2	57	220	0.5
			50	84.18	84.68	0.5	<2	58	200	0.5
		78.50 - 79.3 : intermediate to felsic volcanic rock, very coarse-grained (almost porphyritic), weakly magnetic, light grey, fairly soft, with some carbonate and possibly chlorite alteration. 1-2% disseminated py+po.	51	84.68	85.18	0.5	2	120	810	0.5
			52	85.18	85.68	0.5	14	320	1300	1.0
85.5	85.6	TURBIDITE GRADATIONAL Contact - between overlying volcanic rocks and underlying sediments. Shows soft sediment deformation suggesting that the volcanics were deposited on unlithified sediment, implying that tops are downhole.								
85.6	93.3	Intermediate Volcanic Rock - light grey to grey-green, fine-grained, magnetic, medium hardness. - quartz-carbonate veining, 40° to CA in most cases, but can be randomly oriented, as at 89.2 Veins are up to 5mm wide. - chloritic alteration - 2-3% disseminated po + py. - some areas are brecciated, as at 80.0	DCO853	85.68	86.18	0.5	4	110	920	1.0
			54	88.47	88.97	0.5	3	120	72	0.5
			55	89.96	90.46	0.5	<2	110	99	0.5
			56	90.84	91.34	0.5	<2	120	74	1.0
			57	92.08	92.58	0.5	<2	85	40	0.5
93.3	96.3	Mafic Volcanic Rock - dark grey to black, medium hardness,	DCO858	94.06	94.56	0.5	<2	87	55	1.0
			59	95.43	96.33	0.5	<2	190	330	1.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-36

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		medium-grained, non-magnetic to weakly magnetic - fairly sharp contact with overlying unit - quartz-carbonate veining throughout, with most veins 3mm to 5mm wide, oriented 40° to CA. Two fracture sets noted at this orientation. There are some randomly oriented fractures as well. - around 95.5 the unit becomes silicified and shows an increased concentration of sulfides; 4-5% disseminated po and 1-2% disseminated py. The rest of the section contains 1-2% disseminated po + py - carbonate alteration increases down the unit, becoming highly carbonatized near the contact with the minor conductive zone.								
96.3	96.7	MINOR Conductive Zone - graphitic metasedimentary rock, magnetic, fine-grained, hard, black - sharp upper and lower contacts - up to 40-50% graphite. - some bedding noted, however unit is quite turbid and beds do not have a regular orientation. - 2-3% angular clasts present, with bedding curving around clasts. - 8-10% po, 8-10% py, disseminated, stringers, and semi-massive.	D00860	96.33	96.83	0.5	7	340	2300	1.0
96.7	97.5	Intermediate Tuff - lapilli size, hard, magnetic, light	D00861	96.83	97.33	0.5	3	34	62	1.0
			62	97.33	97.83	0.5	2	64	270	1.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-36

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		to dark grey.								
		- carbonatized throughout								
		- 1-2% py + po, disseminated throughout								
		- 1mm quartz-carbonate stringers, 20°-30° to CA.								
		- tuffaceous layering, 80-90° to CA.								
97.5	99.0	Minor Conductive Zone	DDC863	97.83	98.33	0.5	<2	69	730	0.5
		- as at 96.3 - 96.7	64	98.33	98.83	0.5	4	170	1300	1.0
99.0	105.4	Mafic Volcanic Rock	DDC865	98.83	99.33	0.5	14	160	190	1.5
		- dark grey-green, hard, medium-grained, weakly magnetic.	66	99.33	99.83	0.5	<2	120	160	1.0
			67	99.83	100.33	0.5	<2	150	55	0.5
		- partially silicified for upper 50 cm. Some small areas of silicification occur	68	101.43	101.93	0.5	2	130	27	<0.5
			69	101.93	102.43	0.5	4	130	18	<0.5
		outward from narrow fractures, as at 99.8	70	105.07	105.57	0.5	<2	110	12	0.5
		- minor quartz-carbonate stringers throughout, some randomly oriented, but most at 40° to CA.								
		- 1-2% disseminated po, ~1% disseminated py. Brecciated blebs of po (<1cm wide) occur, as at 101.6.								
		- some chlorite alteration noted, although this is not pervasive.								
		- some carbonate alteration along fracture surfaces.								
105.4	147.1	Amphibolitized Mafic Volcanic Rock	DDC871	106.30	106.80	0.5	2	150	30	<0.5
		- light to dark grey, moderate hardness, medium-grained, non-magnetic.	72	106.80	107.30	0.5	<2	94	12	<0.5
			73	110.63	111.13	0.5	<2	180	16	<0.5
		- contains up to 30-35% amphibole.	74	116.72	117.22	0.5	<2	58	43	0.5
		- gradational upper contact.	75	120.08	120.58	0.5	14	90	26	<0.5
		- some thin (10cm) bands of bleached	76	124.05	124.55	0.5	<2	60	34	0.5
			77	126.90	127.40	0.5	27	100	42	0.5

GETTY MINES, LIMITED

Hole Number DL-83-36

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY (Au ppb)	(Cu ppm)	(Zn ppm)	(Ag ppm)
		material are present, as at 106.9	D00878	133.67	134.17	0.5	<2	140	52	1.0
		- 1-2% po, disseminated and in blebs < 1cm wide. <1% py. Sulfide concentrations higher in quartz veins.	79	135.19	135.69	0.5	3	130	37	0.5
			80	139.47	139.97	0.5	<2	130	43	0.5
		- minor quartz - carbonate stringers, 30-40° to CA.								
		- in some sections foliation is noted 40-50° to CA								
147.1	152.5	MINOR CONDUCTIVE ZONE	D00881	147.26	147.76	0.5	2	230	110	1.0
		- epiclastic sedimentary unit with inter-bedded graphitic bands.	82	147.76	148.26	0.5	11	130	1300	1.0
			83	148.26	148.76	0.5	6	130	250	0.5
		- light grey with black bands, hard, fine-grained, locally magnetic.	84	148.76	149.26	0.5	2	100	55	1.0
			85	149.26	149.76	0.5	3	160	80	1.0
		- gradational upper and lower contacts.	86	149.76	150.26	0.5	3	150	60	0.5
		- silicified	87	150.26	150.76	0.5	<2	52	140	0.5
		- irregular quartz - carbonate veins and stringers, up to 5mm wide.	88	150.76	151.26	0.5	4	77	150	0.5
			89	151.26	151.76	0.5	3	120	1200	1.0
		- some poorly expressed relic banding (sedimentary?) towards lower contact, 80-90° to CA.	90	151.76	152.26	0.5	5	150	1200	1.0
			91	152.26	152.76	0.5	<2	77	58	0.5
		- disseminated py and po throughout; up to 4-5%.								
		147.9 - 148.2, 150.1, 150.4, 151.6 : graphitic bands, average 10 cm wide; black, fine-grained, soft to medium hard, magnetic, very conductive.								
		- sharp contacts with epiclastic sediments, 80-90° to CA.								
		- disseminated and veined sulfides, 80-90° to CA. 8-10% po, 8-10% py.								
		- irregular quartz - carbonate veins throughout.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-36

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
152.5	173.0	MAFIC VOLCANIC ROCK	DC0892	152.76	153.26	0.5	<2	55	92	0.5
		- dark green, mag-magnetic, hard, medium-grained.	93	153.26	153.76	0.5	4	110	44	0.5
		- amphibolitized, as at 157.3, but this is not pervasive	94	155.16	155.66	0.5	<2	34	21	<0.5
		- gradational upper and lower contacts.	95	157.63	158.13	0.5	<2	78	26	0.5
		- Chloritized	96	164.03	164.53	0.5	14	110	24	0.5
		- minor disseminated sulfides, 1-2% po+py	97	165.90	166.40	0.5	<2	77	16	0.5
		- quartz-carbonate infilling & fractures, 28-30° to CA with some randomly oriented.	98	166.58	167.08	0.5	3	72	23	1.0
			99	172.44	172.99	0.5	<2	55	46	1.0
173.0	174.7	Banded Siltstone	DC0900	172.99	173.49	0.5	3	190	83	1.0
		- alternating dark brown-dark green bands, with some black, conductive, graphitic horizons	01	173.49	173.99	0.5	<2	110	49	1.0
			02	173.99	174.49	0.5	<2	130	180	1.5
			03	174.49	174.99	0.5	3	100	310	1.5
		- magnetic, medium hard, fine to medium-grained.								
		- is not a pure siltstone but instead tends to be gritty or dirty.								
		- brown biotite bands and green chloritic bands range in thickness from 1mm to 1cm, oriented 50-60° to CA.								
		- gradational upper contact, sharp lower contact.								
		- 1-2% disseminated po+py throughout, with localized areas of higher concentration, as in graphitic horizons								
		- 173.2, 174.8 : graphitic, conductive horizons, black, medium hardness very fine-grained, magnetic. Up to 30-40% graphite. Veined and semi-massive po (15-20%), 3-10% disseminated py.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-36

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	Cu (PPm)	Zn (PPm)	Ag (PPm)
		sharp contacts with siltstone - some minor quartz - carbonate stringers concordant with bedding.								
174.7	177.6	INTERMEDIATE TUFF and EPICLASTIC Sedimentary Rock - light to dark grey tuffaceous units (up to 50 cm wide) interbedded with epiclastic sedimentary material. - tuff is hard (partially silicified?), medium-grained (lapilli size), magnetic, layered (60° to CA) - epiclastic sedimentary rock is light grey with some alternating bands of chlorite / biotite material, medium hardness, magnetic, medium-grained. - upper and lower contacts gradational. 176.7 - 176.9 ; minor conductive zone on either side of a 6 cm wide quartz - carbonate vein. Vein is chloritized. The zone on either side of vein is turbid. Vein is oriented 40° to CA.	DC0904	171.99	175.49	0.5	< 2	68	110	1.0
			05	175.49	175.99	0.5	< 2	84	240	1.0
			06	175.99	176.49	0.5	< 2	78	39	1.0
			07	176.49	176.99	0.5	10	61	360	1.0
			08	176.99	177.49	0.5	< 2	61	210	1.0
177.6	190.7	CONDUCTIVE ZONE - located in a conglomeratic & interbedded argillaceous metasedimentary rock, epiclastic sedimentary rock, and intermediate lapilli tuff. - the entire zone is magnetic. - banding 50° to CA. - carbonate alteration throughout, particularly along fracture surfaces. - there are disseminated, veined and semi-massive sulfides throughout; 10-15% po, 5-7% py. Sulfide veins - there are some dolomite units as @ 180.0	DC0909	177.49	177.99	0.5	.3	152	760	1.0
			10	177.99	178.49	0.5	24	240	1600	1.5
			11	178.49	178.99	0.5	21	330	1700	1.0
			12	178.99	179.49	0.5	33	300	2500	1.0
			13	179.49	179.99	0.5	21	262	1100	1.0
			14	179.99	180.49	0.5	13	220	970	1.0
			15	180.49	180.99	0.5	5	98	670	1.0
			16	180.99	181.49	0.5	7	49	980	0.5
			17	181.49	181.99	0.5	8	94	830	0.5
			18	181.99	182.49	0.5	10	148	1300	1.0
			19	182.49	182.99	0.5	24	390	1700	1.5
			20	182.99	183.49	0.5	18	220	3600	1.0
			21	183.49	83.99	0.5	17	200	2600	1.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-36

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Ag (ppm)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Mo (ppm)
		are oriented 40-50° to CA.	D009922	183.99	184.49	0.5	20	390	1600	1.0
		- chlorite alteration noted, particularly	23	184.49	184.99	0.5	<2	99	200	1.0
		in epiclastic material	24	184.99	185.49	0.5	4	340	410	1.0
		- upper and lower contacts gradational	25	185.49	185.99	0.5	4	500	420	1.0
			26	185.99	186.49	0.5	7	350	1800	1.0
190.7	197.5	Intermediate Tuff and Epiclastic Sedimentary Rock	27	186.49	186.99	0.5	8	480	1500	1.0
		- as in 174.7 - 177.6.	28	186.99	187.49	0.5	8	350	2200	1.5
			29	187.49	187.99	0.5	3	150	420	0.5
197.5		END OF HOLE	30	187.99	188.49	0.5	18	280	1200	1.0
			31	188.49	188.99	0.5	24	460	390	1.5
			32	188.99	189.49	0.5	10	160	250	1.0
			33	189.49	189.99	0.5	*	230	770	1.5
			34	189.99	190.49	0.5	11	220	240	1.0
			35	190.49	190.99	0.5	<2	94	48	1.0
			D009936	190.99	191.49	0.5	4	45	55	1.0
			37	191.49	191.99	0.5	12	120	71	1.5
			38	191.99	192.49	0.5	<2	38	66	1.0
			39	194.80	195.30	0.5	<2	140	36	0.5
			40	196.95	197.45	0.5	<2	90	47	0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-37

Property..DETOUR SOUTH.....
Location..144 Km. N.E. of Cochrane, Ontario

Grid...EAST B.....
Latitude...12+25 N.....
Departure...1+23+00E.....

Core Size....B.Q.....
Elev. Collar.....
Bearing....020°.....
Dip.....-50°.....
Length....160.6 m.....
Horiz. Trace.....95m.....
Vert. Trace....128m.....

Starting Date..November 24, 1983...
Completion Date..November 27, 1983

Date Logged..November 27-28, 1983
Logged by..D.C. Rudderham.....

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
33.5	-59°	-50.5°
108.8	-63°	-55°
157.6	-62°	-54°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au (PPB)	Cu (ppm)	Zn (ppm)	Ag (ppm)
0.0	27.4	OVERBURDEN								
27.4	27.9	LOST CORE								
27.9	39.3	amphibolite	D03236	27.9	28.15	0.25	2	87	11	<0.5
		- this is a coarse-grained mafic volcanic rock	37	31.1	31.35	0.25	<2	90	13	<0.5
		with 25-30% amphibole. Plagioclase makes	38	33.6	33.85	0.25	<2	88	17	<0.5
		up a larger percentage of the rock, with	39	36.4	36.65	0.25	<2	4.5	71	0.5
		some chlorite and very little quartz. Some								
		biotite may be present.								
		- medium hardness, non-magnetic, grey-								
		green to dark grey.								
		- quartz-carbonate stringers 1mm in width								
		throughout, oriented 20-30° to CA.								
		- <1% po+py								
		- gradational lower contact.								
		38.2-39.3; blocky core, with at least 60cm								
		of core lost.								
		39.5-39.6; iron staining along irregular								
		fractures.								
		39.7; small area where the rock is more								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-37

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	Cu (PPM)	Zn (PPM)	Ag (PPM)
		felsic; amphibole makes up only 10-15% of the rock.								
39.3	82.1	ULTRAMAFIC ROCK	DC3240	39.3	39.55	0.25	<2	210	190	0.5
		- dark grey-green, medium to coarse-grained, magnetic, medium hardness.	41	42.3	42.55	0.25	<2	10	53	<0.5
		- gradational upper and lower contacts.	42	45.3	45.55	0.25	<2	53	48	<0.5
		- chloritized, possibly serpentinized in places	43	48.3	48.55	0.25	<2	10	49	<0.5
		- there are a few irregular quartz-carbonate stringers	44	51.1	51.35	0.25	<2	16	59	<0.5
		- 10-15% magnetite.	45	54.0	54.25	0.25	<2	23	83	<0.5
		- little pyroxene noted; this may have been altered to serpentine, giving the rock an overall greenish tinge.	46	57.0	57.25	0.25	<2	10	84	<0.5
			47	59.9	60.15	0.25	<2	21	190	<0.5
			48	62.9	63.15	0.25	<2	15	82	<0.5
			49	65.75	66.0	0.25	<2	16	94	<0.5
			50	66.7	66.95	0.25	<2	52	79	<0.5
		- this unit shows up well on the profile as a strong flanking magnetic high.	51	71.65	71.90	0.25	<2	44	60	0.5
			52	74.7	74.95	0.25	32	22	91	1.0
		- <1% po+py	53	77.5	77.75	0.25	3	30	110	1.0
		- a reddish-brown mineral infilling fractures is noted, as at 59.5, 76.5, and 79.6. This is probably hematite (replacing magnetite?), where it is found it makes up to 30% of the rock.	54	80.5	80.75	0.25	<2	110	280	1.0
		48.6 - 3 cm. wide fracture infilled with pyrite and carbonate.								
		59.4; 1 cm. wide quartz vein oriented 60° to CA.								
		70.3, 72.7, 74.6, 75.8; healed fractures								
		79.0; the rock becomes finer-grained and less magnetic in places, as at 79.2. These may be less mafic inclusions & differentiates of the magma chamber, suggesting tops downhole.								
82.1	84.8	MAFIC VOLCANIC ROCK	DC3255	83.3	83.55	0.25	<2	45	33	<0.5
		- dark grey-green, non-magnetic, medium hardness, fine-grained.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-37

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	Cu (PPM)	Zn (PPM)	Ag (PPM)
		- gradational upper and lower contacts. Both contacts are highly chloritized and somewhat coarser-grained than the rocks on either side.								
		- there are some irregular quartz-carbonate fractures.								
		83.8-84.1 ; dirty mudstone or wacke unit. light grey-green, soft, fine-grained, non-magnetic. The unit is turbid but some bedding can be seen, oriented 50-60° to CA. This unit may contain some glauconite. Contacts are sharp, 50-60° to CA.								
		84.3 ; 1mm wide py + cp stringers.								
84.8	98.9	ULTRAMAFIC ROCK	DO3256	86.3	86.55	0.25	<2	24	89	0.5
		- as at 39.3-82.1	57	89.05	89.30	0.25	16	23	73	<0.5
			58	91.9	92.15	0.25	<2	14	77	<0.5
98.9	106.1	MAFIC VOLCANIC ROCK	59	94.8	95.05	0.25	6	18	87	<0.5
		- as at 82.1-84.8	60	97.6	97.85	0.25	<2	23	68	<0.5
		104.9-106.1 ; the rock directly above the conductor is highly fractured and infilled with quartz-carbonate veins up to 1cm wide, trending 40-50° to CA. Minor sulfides (1-2% po+py) are present in the veins, as at 105.4.	DO3261	100.5	100.75	0.25	<2	8	51	0.5
			62	104.3	104.8	0.5	<2	300	46	0.5
			63	104.8	105.3	0.5	<2	140	71	0.5
			64	105.3	105.8	0.5	<2	260	150	1.0
			65	105.8	106.3	0.5	<2	350	140	1.0
106.1	110.3	CONDUCTIVE ZONE	DO3266	106.3	106.8	0.5	9	1600	110	1.0
		- cherty, sulfide-bearing, volcaniclastic rock.	67	106.8	107.3	0.5	7	1800	190	1.0
			68	107.3	107.8	0.5	11	2300	210	1.0
		- alternating dark grey / white bands, fine-grained, hard, the chert is non-magnetic, the matrix/groundmass is magnetic.	69	107.8	108.3	0.5	3	1000	160	1.0
			70	108.3	108.8	0.5	5	2100	89	1.0
			71	108.8	109.3	0.5	8	2200	180	1.0
		- poorly expressed bedding at 30-40° to CA.	72	109.3	109.8	0.5	3	1100	220	1.0
		- gradational upper and lower contacts.	73	109.8	110.3	0.5	6	360	66	0.5

GETTY MINES, LIMITED

Hole Number DL-83-37

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		- 20-25% po ; disseminated, stringer, and semi-massive.								
		- 2-3% py ; disseminated								
		- there are some quartz - carbonate stringers towards the lower contact, as at 110.2.								
		- sulfide concentration decreases to 5-10% toward lower contact.								
		106.1 - 106.2 ; 10 cm. wide chert band with no sulfides.								
		108.5 - 108.7 ; 20 cm. wide Chert band with 20% po. Sharp upper and lower contacts 90° to CA (possibly a quartz vein?)								
110.3	119.9	BLACK ARGILLITE / INTERMEDIATE ASH TUFF	D03274	109.3	110.8	0.5	<2	170	43	0.5
		- alternating units of dark-grey / black argillite and grey-green ash tuff.	75	110.8	111.3	0.5	5	700	44	1.5
			76	111.3	111.8	0.5	<2	220	85	1.0
		- fine-grained, hard, non-magnetic.	77	114.4	114.65	0.25	<2	520	67	0.5
		- siliceous	78	117.2	117.45	0.25	<2	97	32	<0.5
		- tuffaceous layering at 60° to CA.								
		- chlorite alteration more evident in tuff units where dark-green chlorite bands (1mm to 5mm wide) occur concordant with layering								
		- 2-3% pc + py throughout								
		- gradational upper and lower contacts.								
119.9	135.5	MAFIC - INTERMEDIATE VOLCANIC ROCK.	D03279	119.8	120.05	0.25	<2	180	26	<0.5
		- grey to grey-green, medium-grained, hard, locally magnetic.	80	120.05	120.55	0.5	<2	190	25	<0.5
			81	122.65	122.9	0.25	<2	98	16	<0.5
		- siliceous in places	82	125.0	125.5	0.5	<2	61	53	<0.5
		- 3-4% po, disseminated and veined, as at 124.5 ; 1% py, disseminated.	83	125.6	125.85	0.25	11	99	73	0.5
			84	128.5	128.75	0.25	<2	450	29	<0.5
		- there is quartz, chlorite, and sulfide infilling of fractures, as at 120.4	85	131.3	131.55	0.25	4	370	57	<0.5
			86	134.3	134.55	0.25	7	450	110	0.5
		- upper and lower contacts are gradational.								

GETTY MINES, LIMITED

Hole Number DL-83-37

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		125.1-126.5 ; fractures 1mm to several cm wide develop infilled with aluminosilicate. Aluminosilicate concentrations decrease away from these fractures for up to 1cm, where they appear as whitish, minute specks from 125.8 - 126.1 is an area where alumino-silicate concentration is 50-60%, with 15-20% chlorite in 1-2 cm bands. 4-5% quartz is present, as well as 5-10% mafic minerals.								
135.5	140.2	FELDSPAR CRYSTAL TUFF	DC3287	137.1	137.35	0.25	6	280	55	0.5
		- light grey-green, medium to coarse-grained, hard, locally magnetic, massive.	88	140.0	140.25	0.25	5	160	220	1.0
		- large feldspar crystals make up 40% of the rock.								
		- siliceous								
		- there are a few 1-2 mm wide carbonate stringers.								
		- 1% pc + py throughout.								
		- tuffaceous layering 40° to CA.								
		- there is a preferred orientation of prismatic, mafic minerals (amphiboles?) parallel to the layering, they make up 10% of the rock.								
		- chlorite stringers (1-2 mm wide) concordant with layering are present.								
		- upper and lower contacts are gradational.								
140.2	152.2	MAFIC - INTERMEDIATE TUFF	DC3289	141.6	142.1	0.5	26	680	1100	1.5
		- grey-green, hard, massive, locally magnetic, fine to medium-grained.	90	142.8	143.05	0.25	5	230	220	1.0
		- tuffaceous layering at 50° to CA.	91	145.6	145.85	0.25	<2	160	140	1.0
		- 1-2% py + pc, except in some areas where concentrations increase to 15-20%, as at 141.7 - 142.1	92	147.7	148.2	0.5	<2	270	250	0.5
		- upper and lower contacts gradational.	93	148.5	148.75	0.25	<2	550	370	0.5
			94	151.5	151.75	0.25	<2	43	120	0.5

GETTY MINES, LIMITED

Hole Number DL-83-37

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	Cu (PPM)	Zn (PPM)	Ag (PPM)
		141.1 - 141.4 ; blocky core								
		141.4 - 141.7 ; zone showing specks & alumino-silicate and 20% blebs of chlorite 5mm in diameter. Upper contact with mafic - intermediate tuff is gradational, but lower contact with feldspar/aluminosilicate/sulfide unit is sharp, 50° to CA.								
		141.7 - 142.1 ; feldspar/aluminosilicate/sulfide zone, as at 125.8 - 126.1 except the feldspar concentration is higher and 15% stringer po and 1-2% disseminated py is present. The upper contact is sharp @ 50° to CA; the lower contact is gradational.								
		147.0 - 147.2 ; 10-15% euhedral, hexagonal aluminosilicate crystals (staurolite ?) up to 5mm in diameter.								
		147.2 - 147.6 ; silicified zone with 3-4% stringer po.								
		147.6 - 147.8, 148.2, 148.3, 148.5, 148.9, 149.1 ; aluminosilicate crystals, as at 147.0 - 147.2								
		147.9 ; fracture infilled with cp + po.								
		151.7 ; 1cm wide garnet aggregate in quartz.								
152.2	153.8	Amphibolite / Amphibolitized Mafic Volcanic Rock - dark-grey, massive, medium hardness, medium to coarse-grained, non-magnetic. - amphiboles make up 25-30% of the rock; they show a preferred orientation or foliation at 50° to CA. - the preferred orientation implies an intrusive flow origin; however, the upper and lower contacts are sharp, oriented 80-85° to CA, so the unit may be intrusive.	DL3295	153.3	153.8	0.5	6	90	110	1.0

GETTY MINES, LIMITED

Hole Number OL-83-37

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
153.8	160.6	MAFIC VOLCANIC ROCK	003296	154.25	154.5	0.25	<2	17	33	<0.5
		- dark green to grey-green, medium-grained,	97	157.10	157.35	0.25	<2	19	30	0.5
		massive, hard; non-magnetic.	98	159.7	159.95	0.25	16	770	59	1.5
		- siliceous								
		- 1mm wide quartz-carbonate stringers								
		throughout, oriented HC-50° to CA.								
		- 1-2% po + py throughout.								
		154.9, 155.1, 160.0; specks of aluminosilicate.								
		160.5; 1cm wide quartz vein with 2-3% po.								
		160.6 EOH.								

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GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

Property...DETOUR SOUTH.....
Location.144 Km. N.E. of Cochrane, Ontario

Grid....EAST B.....
Latitude..11+67.5N.....
Departure..1+14.+00.E.....

Core Size...BQ.....
Elev. Collar.....
Bearing...020°.....
Dip.....-50°.....
Length...236.5 m.....
Horiz. Trace..170 m.....
Vert. Trace...162 m.....

Starting Date. November 29, 1983...
Completion Date. December 3, 1983

Date Logged. December 1-4, 1983
Logged by...D.C. Rappabon....

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
33.5m		-47.5°
104 m		-42°
231.6m		-42.5°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au (PPB)	Cu (ppm)	Zn (ppm)	Ag (ppm)
0	28.0	OVERBURDEN								
28.0	28.5	LOST CORE								
28.5	42.4	ULTRAMAFIC ROCK	D03310	28.5	28.75	0.25	9	130	110	1.0
		- dark grey to black, magnetic, medium to coarse-grained, medium hardness, massive.	D03311	31.2	31.45	0.25	<2	23	73	0.5
			D03312	32.1	32.6	0.50	17	200	3900	1.5
			D03313	34.1	34.35	0.25	<2	20	62	0.5
		- brecciated areas of olivine altering to serpentine, as at 31.8	D03314	37.0	37.25	0.25	<2	8	110	0.5
			D03315	38.7	39.2	0.50	5	22	160	0.5
		- chlorite alteration throughout, with talc along some fracture surfaces.	D03316	40.0	40.25	0.25	13	92	110	0.5
		- most of the unit shows large blebs of mafic mineral aggregate (probably pyroxene + amphibole)								
		- 10 to 15% magnetite								
		- some hematite noted, associated with carbonate veins and fractures.								
		- some minor molybdenite, as at 38.9, but where it is found the concentration never exceeds 1%. It is usually hosted								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY AU (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		in carbonate veins with pyrrhotite								
		- the rock is carbonatized, especially along fracture surfaces.								
		- pyrrhotite and pyrite are restricted to fracture surfaces, and never exceed 1-2% concentration.								
		- carbonate veins and stringers oriented 40° to CA.								
42.4	63.0	MAFIC VOLCANIC ROCK	DO3317	42.7	42.95	0.25	<2	92	34	1.0
		- grey to grey-green, medium-grained, medium hardness, massive, weakly magnetic to non-magnetic.	DO3318	45.4	45.65	0.25	<2	110	36	0.5
			DO3319	48.5	48.75	0.25	<2	22	19	0.5
			DO3320	51.0	51.25	0.25	<2	7	19	0.5
		- the upper contact with ultramafic rock is gradational. The lower contact with the conductive zone is fairly sharp at 50° to CA.	DO3321	53.9	53.15	0.25	<2	17	16	0.5
			DO3322	56.9	57.15	0.25	<2	150	23	0.5
			DO3323	59.75	60.0	0.25	<2	5.5	20	0.5
			DO3324	62.6	63.1	0.50	<2	190	48	1.0
		- at least 80 cm. of core lost from 44.0 to 44.8								
		- there are some coarser mafic minerals in some areas, but most of the unit is fine to medium-grained								
		- sulfides are fracture-controlled and never exceed 1% concentration, to about 57.0; at which point they cease to be fracture-controlled and become disseminated throughout the rock. It is primarily 2-3% pyrrhotite with very little pyrite.								
		- carbonatized, especially along fracture surfaces.								
		- chlorite ?								
		- carbonate stringers are oriented 30°-40° to CA, although some are at 90° to CA, as at 48.1								
		- some fracture surfaces have a greasy, talcy feel, as at 48.1								
		- the rock is foliated in places as at 58.5								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
63.0	71.7	CONDUCTIVE ZONE	D03325	63.1	63.6	0.50	6	940	58	2.0
		- a cherty, sulfide-bearing, epiclastic	D03326	63.6	64.1	0.50	6	540	92	1.0
		metasedimentary rock.	D03327	64.1	64.6	0.50	13	1100	95	1.5
		- the upper contact is fairly sharp at 30° to CA,	D03328	64.6	65.1	0.50	15	1700	94	2.0
		the lower contact is gradational.	D03329	65.1	65.6	0.50	9	730	70	1.5
		- the rock is light grey with some light brown	D03330	65.6	66.1	0.50	9	23	58	0.5
		banding, hard, massive, fine to medium-	D03331	66.1	66.6	0.50	7	660	32	1.0
		grained, magnetic.	D03332	66.6	67.1	0.50	9	840	71	1.5
		- the unit is cherty throughout, with 1-2cm	D03333	67.1	67.6	0.50	20	1300	71	1.5
		wide biotite bands at random intervals.	D03334	67.6	68.1	0.50	9	1600	110	1.5
		- bedding at 60° to CA	D03335	68.1	68.6	0.50	5	2400	95	2.0
		- there appears to be some clastic material in	D03336	68.6	69.1	0.50	12	2400	93	2.0
		places, as at 67.6, with sulfide and sedi-	D03337	69.1	69.6	0.50	8	1600	97	1.5
		mentary material running around the	D03338	69.6	70.1	0.50	<2	1000	100	1.5
		clasts.	D03339	70.1	70.6	0.50	10	690	100	1.5
		- 20-25% pyrrhotite, disseminated, stringer,	D03340	70.6	71.1	0.50	4	520	110	1.0
		and semi-massive; 8% pyrite, disseminated	D03341	71.1	71.6	0.50	16	1300	110	1.5
		and stringers; ~1% chalcopyrite, disseminated								
		(as at 68.7).								
		- there may be some spidote present; as at 66.9								
		- soft sediment deformation throughout.								
		- the unit is 25-30% sulfides, 15-20% cherty								
		material, and at least 50% epiclastic								
		metasedimentary material, (excluding								
		volcanic interflows)								
		- it is weak to moderately conductive								
		65.3 - 66.5: MAFIC VOLCANIC FLOW: as @ 42.4 -								
		63.6. Sharp upper and lower contacts, 60°								
		to CA.								
71.7	74.5	MAFIC VOLCANIC	D03342	71.6	72.1	0.50	<2	40	54	0.5
		- dark grey-green, hard, fine-grained, massive,	D03343	73.3	73.55	0.25	4	410	89	2.0
		locally magnetic.								
		- partially silicified								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY AU (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		- 1% pyrrhotite + pyrite, disseminated throughout								
		- chloritized								
		- minor quartz - carbonate stringers, oriented 10°-30° to CA								
		- gradational upper and lower contacts.								
74.5	80.6	MAFIC TUFF	D03344	76.2	76.45	0.25	2	350	69	1.0
		- dark grey-green, medium hardness, fine to medium-grained, locally magnetic.	D03345	78.2	78.7	0.50	3	502	98	1.0
		- tuffaceous layering oriented 30°-40° to CA.	D03346	79.0	79.25	0.25	<2	376	71	1.0
		- up to 30% aluminosilicate in some places. This mineral forms grainy, pink aggregates up to 5mm in diameter. Most of these are anhedral, but some large grains have a cubic or hexagonal habit, as at 78.6.								
		- some anhedral garnet occurs, as at 75.0								
		- chloritized								
		- 1% disseminated pyrrhotite + pyrite								
		- minor amounts of carbonate alteration, especially along fracture surfaces.								
		- gradational upper and lower contacts.								
80.6	83.0	MAFIC VOLCANIC FLOW / MAFIC TUFF	D03347	82.15	82.4	0.25	17	830	110	1.5
		- dark grey-green, locally magnetic, massive, fine to medium-grained, medium hardness								
		- tuffaceous layering oriented 40° to CA.								
		- some minor occurrences of aluminosilicate, as at 82.4								
		- 1-2% pyrrhotite + pyrite.								
		- gradational upper and lower contacts.								
83.0	93.0	ULTRAMAFIC ROCK	D03348	83.8	84.3	0.50	35	1300	88	2.0
		- as at 28.5-42.4	D03349	84.7	84.95	0.25	4	250	70	1.0
			D03350	86.7	86.95	0.25	<2	230	49	1.0

GETTY MINES, LIMITED

Hole Number DL-83-38

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
93.0	100.2	MAFIC VOLCANIC Flow / Mafic Tuff	D03351	99.3	99.55	0.25	<2	252	51	1.0
		- as at 80.6-83.0	D03352	93.1	93.35	0.25	<2	120	32	1.0
		- 99.7-99.8; quartz veins with chlorite.	D03353	96.0	96.25	0.25	<2	180	62	1.0
			D03354	98.95	99.20	0.25	21	490	77	1.0
100.2	105.3	INTERMEDIATE TUFF	D03355	101.8	102.05	0.25	9	410	35	1.0
		- light grey-green, fine-grained, locally weakly magnetic, hard, massive.	D03356	104.15	104.4	0.25	5	360	34	1.0
		- tuffaceous layering oriented 40°-50° to CA.								
		- chloritized								
		- upper and lower contacts gradational.								
		- 1% pyrrhotite + pyrite.								
105.3	106.8	Siliceous greywacke / siltstone	D03357	106.0	106.5	0.50	3	120	71	1.0
		- light grey, hard, non-magnetic, massive, fine to medium-grained.								
		- bedding 60° to CA.								
		- there is some clastic material, as at 106.2, oriented parallel to bedding.								
		- there is a small area of aluminosilicate-rich rock at 105.9-106.0. This may be a thin mafic volcanic flow.								
		- bands of chlorite, up to 1 cm thick, occur throughout								
		- 1-2% pyrrhotite + pyrite.								
		- upper contact is fairly sharp, 85° to CA; lower contact is gradational.								
106.8	120.5	MAFIC VOLCANIC	D03358	107.2	107.45	0.25	<2	170	140	1.0
		- as at 72.4-63.0	D03359	110.0	110.25	0.25	<2	110	120	1.0
		- texture becomes somewhat coarser-grained from around 117.0 to 120.4.	D03360	112.8	113.05	0.25	<2	110	72	1.0
			D03361	115.6	115.85	0.25	<2	130	73	1.0
		- blebby core from 107.6-108.2, 111.7-112.0.	D03362	118.6	118.85	0.25	4	210	29	1.0
		113.1, 114.1: brittle fractures with quartz-carbonate and garnet infilling.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		116.8 - 116.9 ; healed fracture zone infilled with quartz - carbonate and chlorite.								
120.5	121.2	SILICEOUS GREYWACKE / SILTSTONE - with aluminosilicate, as at 105.3 - 106.8 - sharp upper contact, oriented 40° - 50° to CA.	D03363	120.5	121.0	0.5	12	370	80	1.0
121.2	123.2	MAFIC TUFF - dark grey-green, non-magnetic, medium hardness, medium-grained, massive. - tuffaceous layering oriented 50° - 60° to CA.	D03364	121.4	121.65	0.25	22	170	72	1.0
123.2	125.9	SILICEOUS GREYWACKE / SILTSTONE - as at 105.3 - 106.8 - bedding 60° to CA.	D03397	124.2	124.45	0.25	14	930	65	1.5
125.9	131.7	MAFIC TUFF - grey-green, massive, locally magnetic, medium hardness, medium-grained (lapilli size). - 10cm of aluminosilicate material at 124.60 - 127.7. - tuffaceous layering at 50° to CA. - 1% pyrrhotite + pyrite. - minor quartz-carbonate stringers, randomly oriented. - some turbidaceous, as at 130.0 - some 5mm chlorite bands conformable with tuffaceous layering. - gradational upper and lower contacts. 130.1 - 130.5 ; bleached core	D03398 D03399	127.0 129.8	127.25 130.05	0.25 0.25	13 33	340 740	120 26	1.0 1.5
131.7	133.7	INTERMEDIATE TUFF - light grey, medium-grained (lapilli	D03400	132.45	132.70	0.25	20	160	29	0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		size), medium hardness, massive, magnetic.								
		- tuffaceous layering at 50° to CA.								
		- gradational upper and lower contacts.								
		132.9-133.2 : MAFIC SILL								
		- grey-green, fine-grained at the contacts, medium to coarse-grained towards the center, hard, massive, non-magnetic.								
		- upper and lower contacts sharp at 60° to CA.								
133.7	138.1	MAFIC VOLCANIC	D03401	135.3	135.55	0.25	<2	62	26	0.5
		- grey-green, fine to medium-grained, medium hardness, massive, locally magnetic.								
		- upper contact gradational, lower contact sharp at 60° to CA.								
		- ±1% pyrrhotite ± pyrite, disseminated.								
		- randomly oriented quartz-carbonate stringers								
		137.1 : 5mm quartz-carbonate vein infilled with pyrrhotite and pyrite.								
138.1	139.4	DIRTY SILTSTONE	D03402	138.1	138.35	0.25	<2	75	58	1.0
		- grey, hard, medium-grained, non-magnetic, massive.								
		- sharp upper and lower contacts, 40° to CA.								
		- rounded plagioclase crystals (1mm in diameter), biotite and chlorite grains oriented parallel to bedding.								
		- bedding 40° to CA.								
		- minor quartz-carbonate stringers, oriented 30°-40° to CA.								
		- 3-1% pyrite.								
139.4	142.1	MAFIC VOLCANIC	D03403	141.1	141.35	0.25	3	190	17	0.5
		- as at 133.7-138.1, except this has 4-5% pyrite.								
		140.3 : 2cm quartz-carbonate vein, 85-90° to CA.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ni (ppm)
142.1	144.7	DIRTY SILTSTONE	D03404	143.9	144.15	0.25	<2	13	18	1.0
		- as at 138.1 - 139.4								
		142.9 ; large (4cm) angular clast.								
144.7	161.8	AMPHIBOLITE	D03405	146.6	146.85	0.25	<2	7.5	28	0.5
		- grey, medium to coarse-grained, medium hardness, massive, non-magnetic.	D03406	149.4	149.65	0.25	<2	81	34	1.0
			D03407	152.2	152.45	0.25	<2	85	14	0.5
		- sharp upper contact at 40° to CA, gradational lower contact.	D03408	154.8	155.05	0.25	<2	32	36	0.5
			D03409	157.7	157.95	0.25	<2	10	17	0.5
		- made up almost entirely of plagioclase and amphibole (60:40), and some K-feldspar, as at 150.0 and 151.8, although this makes up only 2-3% of the entire unit, there is about 5% chlorite.	D03410	160.6	160.85	0.25	<2	160	32	1.0
		- two sets of quartz-carbonate veins and stringers, oriented 40° and 80°-90° to CA.								
		- <1% pyrrhotite and pyrite.								
		146.9 - 147.5 ; siltstone ; light grey, hard, non-magnetic, massive, fine to medium-grained, with sharp upper and lower contacts 40° - 50° to CA, bedding 40° to CA.								
161.8	164.4	QUARTZ - FELDSPAR PORPHYRY	D03411	163.0	163.50	0.50	<2	35	74	1.0
		- grey with white phenocrysts, hard, non-magnetic, porphyritic, massive	D03412	163.7	163.95	0.25	<2	9.5	63	1.0
		- upper and lower contact orientations difficult to determine								
		- 40 - 50% feldspar, with only 5-10% quartz. fine-grained groundmass								
		- up to 5% disseminated pyrite throughout.								
		163.4 ; 5 cm wide quartz vein with chlorite wallrocks.								
164.4	165.0	AMPHIBOLITE								
		- as at 144.7 - 161.8								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	Cu (PPm)	Zn (PPm)	Ag (PPm)
165.0	165.9	ULTRAMAFIC ROCK - dark-grey, medium to coarse-grained, soft to medium hard, massive, magnetic. - this unit has a foliation oriented 48°-50° to CA. - gradational upper and lower contacts. - no quartz or feldspar - up to 15% magnetite. - minor quartz-carbonate stringers oriented 40° to CA. - chloritized - <1% pyrrhotite and pyrite.								
165.9	168.4	Amphibolite - as at 144.7-161.8	DD3413	166.4	166.65	0.25	<2	2.5	62	1.0
			DD3414	168.1	168.6	0.50	<2	9	51	1.0
168.4	201.2	ULTRAMAFIC ROCK - as at 165.0-165.9, except this unit is not foliated. - the upper contact is marked by an intensely sheared zone, possibly fault gouge, 10cm wide. - there is some hematite staining along fracture surfaces. - there is some carbonate on fracture surfaces. - there is a small amount of serpentine, especially along fracture surfaces, e.g. at 174.5. 172.9: 3cm wide fracture zone, oriented 20°-30° to CA. 174.5: the unit becomes somewhat finer-grained. 164.6-164.7: carbonate + chlorite vein.	DD3415	169.2	169.45	0.25	<2	28	17	1.0
			DD3416	171.05	172.3	0.25	<2	12	50	0.5
			DD3417	175.0	175.25	0.25	<2	36	66	0.5
			DD3418	177.95	178.20	0.25	<2	7.5	81	0.5
			DD3419	180.8	181.05	0.25	<2	23	110	<0.5
			DD3420	183.75	184.0	0.25	<2	33	100	<0.5
			DD3421	184.4	184.9	0.50	<2	49	110	1.0
			DD3422	186.7	186.95	0.25	<2	87	170	0.5
			DD3423	189.55	189.8	0.25	<2	8.5	87	0.5
			DD3443	192.5	192.75	0.25	<2	25	120	<0.5
			DD3444	195.4	195.65	0.25	<2	27	110	0.5
			DD3445	198.2	198.45	0.25	<2	30	110	0.5

GETTY MINES, LIMITED

Hole Number DL-83-38

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
201.2	202.0	Diabase DYKE - hard, light to dark grey, medium to coarse-grained, massive, slightly magnetic. - Contains large blebs of biotite and/or hornblende, quartz, pyroxene, plagioclase, and a small amount of magnetite. - sharp upper and lower contacts, 80°-90° to CA. The contacts are marked by 4cm wide alteration zones.	D03446	201.1	201.35	0.25	<2	36	120	0.5
202.0	203.1	ULTRAMAFIC ROCK - as at 168.4 - 201.2								
203.1	213.2	MAFIC VOLCANIC ROCK	D03447	201.0	201.25	0.25	<2	10	18	<0.5
		- grey-green, medium hardness, massive, non-magnetic, medium-grained.	D03448	206.95	207.2	0.25	<2	53	30	<0.5
			D03449	209.9	210.15	0.25	<2	25	14	<0.5
		- gradational upper and lower contacts.	D03450	212.5	213.0	0.50	<2	79	27	0.5
		- 1% pyrite. - minor quartz-carbonate stringers, randomly oriented. - chloritized - the sulfide concentration increases to 2-3% pyrrhotite + pyrite towards the conductive zone. - the unit becomes weakly magnetic towards the conductive zone.								
213.2	217.4	CONDUCTIVE ZONE	DO3451	213.0	213.5	0.50	5	580	120	1.0
		- cherty, sulfide-bearing, argillaceous metasedimentary rock. - 35-40% blebs, argillaceous metasediment, 30-35% pyrrhotite, 30-25% chert, 4-5% pyrite, 1% chalcopyrite. - sulfides are disseminated, stringer, and	DO3452	213.5	214.0	0.50	8	1000	170	1.0
			DO3453	214.0	214.5	0.50	20	1100	54	1.0
			DO3454	214.5	215.0	0.50	9	1080	210	1.0
			DO3455	215.0	215.5	0.50	7	520	920	1.0
			DO3456	215.5	216.0	0.50	9	3000	410	1.0
			DO3457	216.0	216.5	0.50	34	4300	310	2.0
			DO3458	216.5	217.0	0.50	51	3500	540	2.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		semi-massive.	D03459	217.0	217.5	0.5	22	1300	190	1.0
		- bedding oriented 60° to CA.								
		- soft sediment deformation throughout								
		- moderate conductor								
		- gradational upper and lower contacts.								
217.4	220.9	Mafic TUFF	D03460	217.5	218.0	0.5	5	220	96	0.5
		- grey-green, hard, magnetic, massive, fine to medium-grained.	D03461	218.7	218.95	0.25	4	460	97	1.0
		- tuffaceous layering 50° to CA								
		- 10-15% pyrrhotite, 2-3% pyrite.								
		- gradational upper contact, sharp lower contact oriented 90° to CA.								
		- small, randomly oriented fractures, infilled with sulfides and bleached on either side occur locally, as at 119.2.								
220.9	222.9	Feldspar Porphyry DYKE	D03462	221.8	222.05	0.25	<2	18	52	0.5
		- grey with white phenocrysts, hard, non-magnetic, porphyritic, massive.								
		- contains up to 60% feldspar phenocrysts.								
		- 1-2% disseminated sulfides.								
		- sharp upper and lower contacts, oriented 90° to CA.								
222.9	236.5	MAFIC TUFF	D03463	225.0	225.25	0.25	3	250	23	0.5
		- grey-green, hard, fine to medium-grained, massive, magnetic.	D03464	227.8	228.05	0.25	13	480	180	1.0
		- silicified	D03465	230.7	230.95	0.25	5	460	30	1.0
		- 3-4% pyrrhotite, disseminated and wisps; <1% pyrite.	D03466	233.6	233.85	0.25	4	340	36	1.0
		- chloritized								
		- the unit seems to get progressively finer-								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-38

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		grained downhole.					
		- tuffaceous layering oriented 60° to CA.					
		223.6 - 224.0 blocky core.					
		236.5 EOH					

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-39

Property. DETOUR SOUTH
Location. 144 Km. NE. OF COCHRANE, Ontario

Grid. West A
Latitude. 17+35 N
Departure. 2+00 W

Core Size. BQ
Elev. Collar.
Bearing. 340°
Dip. -50°
Length. 163.7 m.
Horiz. Trace. 109.9 m.
Vert. Trace. 123 m.

Starting Date. December 5, 1983.
Completion Date. December 10, 1983.

Date Logged. December 9-10, 1983
Logged by. D.C. Rupperham.

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
66.1m	-57°	-48°
160.6m	-56.5°	-47.5°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
0	60.4	OVERBURDEN								
60.4	62.5	LOST CORE								
62.5	66.2	ULTRAMAFIC ROCK	D03507	62.5	62.75	0.25	10	190	160	0.5
		- medium to coarse-grained, fairly soft, magnetic, grey, massive.	3508	65.35	65.6	0.25	<2	200.	29.0	1.0
		- lower contact fairly sharp, oriented 60° to CA								
		- chlorite-rich								
		- minor quartz-carbonate veining, oriented 40° to CA								
		- < 1% pyrrhotite + pyrite.								
66.2	72.1	MAFIC VOLCANIC ROCK	D03509	67.4	67.65	0.25	<2	7.0	38.0	1.0
		- grey-green, fine to medium-grained, medium hardness, non-magnetic, massive.	3510	70.0	70.25	0.25	<2	12.0	22.0	1.0
			3511	71.6	72.1	0.50	<2	40.0	16.0	0.5
		- some blocky core at 67.3-67.4								
		- 1-2% pyrrhotite, usually in stringers; < 1% disseminated pyrite. Sulfide								

GETTY MINES, LIMITED

Hole Number DL-83-39

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		concentration increases to 2-3% towards conductive zone.								
		- chlorite-rich, especially along fracture surfaces.								
		67.4 - 68.5 : medium-grained.								
		68.5 - 72.1 : finer-grained.								
72.1	73.2	CONDUCTIVE ZONE	D03512	72.1	72.6	0.50	5	650	45.0	1.0
		- cherty, sulfide-bearing, metasedimentary	3513	72.6	73.1	0.50	3	1600	71.0	0.5
		rock with 15-20% pyrrhotite, 1-2% pyrite,	3514	73.1	73.6	0.50	<2	700	58.0	1.0
		and < 1% chalcopyrite.								
		- light grey, hard, fine to medium-grained,								
		magnetic.								
		- 60-70% metasedimentary material, 15-20%								
		sulfides, 15-20% chert.								
		- banded, with bands oriented 60° to CA.								
		- there is some evidence of soft-sediment								
		deformation, as at 72.4.								
		- the sulfides are disseminated and stringer-type								
		- this is a weak to moderate conductor.								
		- upper and lower contacts are fairly sharp,								
		oriented 60° to CA.								
73.2	83.0	MAFIC VOLCANIC ROCK	D03515	75.5	75.75	0.25	25	1100	48.0	1.0
		- as at 66.2 - 72.1	3516	78.3	78.55	0.25	<2	170	61.0	0.5
		75.3 - 78.1 ; a coarser-grained volcanic flow	3517	81.0	81.5	0.50	<2	71.0	22.0	<0.5
		with 8-10% pyrrhotite + pyrite.								
83.0	93.1	EPICLASTIC METASEDIMENT	D03518	83.5	84.0	0.50	11	860	71.0	1.0
		- light grey, hard, fine to medium-grained,	3519	84.0	84.5	0.50	14	970	39.0	1.0
		non-magnetic to weakly magnetic.	3520	87.0	87.25	0.25	<2	14.0	24.0	<0.5
		- banded in places. The bands are generally	3521	89.8	90.05	0.25	<2	82.0	44.0	0.5
		biotite or chlorite, up to 1 cm wide,	3522	92.9	93.15	0.25	4	150	28.0	0.5
		oriented 60° to CA								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-39

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY AU (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		- gradational upper and lower contacts								
		- 2-3% pyrrhotite + pyrite, except in cherty units where sulfide concentration increases to 8-10%.								
		- thin quartz-carbonate stringers, some oriented 40° to CA, but most randomly oriented. Some of these are infilled with pyrite.								
		83.6 - 84.5 ; chert-carbonate unit. This unit is 20-25% chert, 20-25% carbonate, 40-50% epiclastic material, 5% pyrite, and 2-3% pyrrhotite. Upper and lower contacts are conformable at 60° to CA, with bedding also at 60° to CA.								
		85.6 - 89.1 ; an area where aluminosilicate makes up 4-5% of the rock. This is a grainy aggregate, pink, generally euhedral (although a few crystals appear roughly fubic), usually 1-2 mm in diameter. Some garnet is also present.								
93.1	95.7	MAFIC TUFF	003523	95.7	95.95	0.25	<2	86.0	29.0	<0.5
		- grey-green, hard, fine to medium-grained, magnetic, massive.								
		- patchily silicified.								
		- tuffaceous layering 70° to CA.								
		- 1-2 cm quartz veins at 93.5 and 94.8								
		- 2-3% pyrrhotite + pyrite generally concentrated along fractures infilled with carbonate.								
		- upper and lower contacts gradational.								

GETTY MINES, LIMITED

Hole Number DL-83-39

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Pb (ppm)	Cu (ppm)	Zn (ppm)	Ag (ppm)
95.7	114.1	MAFIC VOLCANIC ROCK	D03524	97.4	97.9	0.50	3	130	40.0	0.5
		- grey-green, hard, fine to medium-grained, locally weakly magnetic, fairly massive.	3525	98.9	99.15	0.25	<2	130	25.0	0.5
		- Silicified.	3526	101.4	101.65	0.25	<2	47.0	29.0	0.5
		- 1-2% pyrite + pyrrhotite - chalcopyrite.	3527	104.45	104.7	0.25	2	76.0	35.0	0.5
		- there are some 1cm wide quartz veins at	3528	107.0	107.25	0.25	<2	220	41.0	0.5
		104.1, 106.5, 106.7, and 107.3.	3529	109.65	109.9	0.25	<2	86.0	44.0	0.5
		- upper and lower contacts gradational.	3530	112.6	112.85	0.25	<2	140.	36.0	0.5
		97.6-97.7, 108.2-108.3; quartz vein with								
		some K-feldspar and chlorite blebs.								
		104.6-104.9; blocky core.								
114.1	128.9	SILTSTONE	D03531	114.1	114.6	0.50	9	160	34.0	0.5
		- grey-green, hard, locally magnetic,	3532	114.6	115.1	0.50	2	310	55.0	0.5
		fine to medium-grained.	3533	115.5	115.75	0.25	<2	86.0	20.0	0.5
		- chloritized	3534	118.3	118.8	0.50	<2	24.0	31.0	<0.5
		- has 1cm wide bands of biotite	3535	118.8	119.3	0.50	<2	41.0	15.0	<0.5
		- sedimentary layering at 60° to CA.	3536	121.4	121.65	0.25	<2	100.	15.0	0.5
		- upper and lower contacts gradational	3537	124.2	124.45	0.25	<2	42.0	12.0	<0.5
		- locally high concentrations (4-5%) of	3538	127.2	127.45	0.25	<2	82.0	12.0	0.5
		disseminated with some garnet.	3539	127.45	127.95	0.50	9	190.	21.0	0.5
		- locally high sulfide concentrations (4-7%	3540	127.95	128.45	0.50	<2	7.5	11.0	<0.5
		pyrrhotite, 1% pyrite). Background values	3541	128.45	128.95	0.50	<2	72.0	13.0	<0.5
		are 1% pyrrhotite + pyrite.								
		- the section has abundant quartz stringers								
		and chert beds throughout. Quartz stringers								
		are randomly oriented, whereas chert beds								
		are conformable with bedding.								
		114.2-115.0; chert bed. Contacts are at 60° to								
		CA and are marked by soft-sediment								
		deformation, higher sulfide concentrations,								
		and well-defined chlorite and biotite								
		bands.								
		118.4-119.2; chert bed. Contacts are at 60°								
		to CA. This bed has 2-3% K-feldspar								

GETTY MINES, LIMITED

Hole Number DL-83-39

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
		associated with it.								
		127.4 - 128.6 : Chert bed								
128.9	143.0	MAFIC TUFF	DO3542	130.2	130.45	0.25	3	120.	16.0	0.5
		- grey-green, hard, non-magnetic, medium-grained.	3543	133.15	133.40	0.25	<2	86.0	16.0	0.5
			3544	136.1	136.35	0.25	7	170.	14.0	0.5
		- tuffaceous layering oriented 55°-60° to CA	3545	139.0	139.25	0.25	<2	110.	25.0	0.5
		- abundant fractures (1mm to 1cm wide)	3546	141.8	142.05	0.25	8	270	14.0	0.5
		infilled with quartz-carbonate. There are randomly oriented.								
		- chlorite-rich								
		- 1% pyrrhotite + pyrite.								
143.0	153.0	AMPHIBOLITE	DO3547	144.75	145.0	0.25	9	560	50.0	1.0
		- dark grey-green, hard, non-magnetic, medium to coarse-grained, massive.	DO3548	147.7	147.95	0.25	4	130.	11.0	0.5
			3549	150.55	150.8	0.25	<2	130.	17.0	0.5
		- up to 30% amphibole; the remaining 70% is made up almost entirely of plagioclase, with some chlorite, hornblende, and biotite.								
		- the amphiboles have a preferred orientation (foliation) oriented 40°-50° to CA.								
		- gradational upper and lower contacts.								
153.0	156.1	MAFIC VOLCANIC ROCK	DO3550	153.5	153.75	0.25	3	110.	15.0	0.5
		- as at 95.7 - 114.1, except this unit is not silicified.								
156.1	157.5	AMPHIBOLITE	DO3551	156.25	156.50	0.25	4	120	18.0	0.5
		- as at 143.0 - 153.0								
157.5	163.7	MAFIC VOLCANIC ROCK	DO3552	159.3	159.55	0.25	8	330	16.0	0.5
		- as at 153.0 - 156.1	3553	161.95	162.20	0.25	3	140.	38.0	0.5
		- this unit has a number of quartz veins								

GETTY MINES, LIMITED

Hole Number DL-83-39

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		up to 2 cm wide, oriented 90° to CA.					
		159.5 - 159.6 : quartz vein with 7-8% pyrrhotite.					
		161.4 - 161.6 : siliceous zone.					
		163.7 E.O.H.					

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-40

Property: Detour Lake J.V.
Location: 144 KM NE of Cochrane
Grid: West 'A'
Latitude: L52+00 W
Departure: 10+60 N

Core Size: BQ
Elev. Collar:
Bearing: 340°
Dip: -50°
Length: 198.1 m
Horiz. Trace: 139.0 m
Vert. Trace: 141.0 m

Starting Date: Nov. 30, 1983
Completion Date: Dec. 4, 1983
Date Logged: Dec. 3-4, 1983
Logged by: R.B. Scratch

Dip Tests		
Depth	Angle Read	Angle Actual
Collar		-50
56.1 m	54.4	-45.5°
91.4 m	53.9	-45°
198.1 m	50.2	-41°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
0.0	56.1	OVERBURDEN / CASING								
56.1	75.6	AMPHIBOLITE								
		- medium to dark green, medium grained	3365	56.1	56.35	0.25	<2	70	17	1.0
		amphibolite with well developed bladed	3366	59.25	59.50	0.25	2	110	29	1.0
		amphiboles (dark green) approx. 2-3mm long	3367	62.30	62.55	0.25	<2	23	11	2.0
		- amphiboles constitute 50% of rock set in a	3368	65.15	65.40	0.25	<2	14	12	1.0
		grey-white (plagioclase-rich?) fine grained	3369	68.20	68.45	0.25	<2	45	20	1.0
		groundmass	3370	71.10	71.35	0.25	<2	43	16	0.5
		- amphiboles display a good foliation at	3371	74.0	74.25	0.25	<2	55	23	0.5
		65° to core axis								
		- weak to moderate magnetism								
		- veining very rare throughout core								
		- less than 0.5% py								
		- section very competent and excellent core								
		recovery								
		- rock [illegible]								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-40

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	ASSAY Cu (PPM)	ASSAY Zn (PPM)	ASSAY Ag (PPM)
75.6	77.3	MAFIC to INTERMEDIATE DYKE								
		- fine grained, medium to light green, moderately magnetic mafic to intermediate dyke	3372	76.7	76.95	0.25	<2	13	20	0.5
		- upper contact well defined oriented at 45° to core axis; lower contact irregular oriented at 15° to core axis								
		- 75.6-76.0 various white (feldspar?) porphyroblasts approx 2-3mm in diameter constituting 30% of this section								
		- 76.1-76.4 ground and broken core								
		- rock massive and fairly uniform throughout								
		- no veining								
		- colour due to chloritic alteration of mafic minerals								
77.3	84.9	EPICLASTIC METASEDIMENTARY ROCK	3373	79.5	79.75	0.25	<2	120	20	0.5
			3374	82.75	83.00	0.25	<2	140	96	1.0
		- well bedded, fine grained, greyish black epiclastic metasedimentary rock								
		- moderately magnetic								
		- moderately hard, siliceous								
		- trace py								
		- minor veinlets of qtz-fld-chlorite subparallel to bedding								
		- bedding oriented at 70° to core axis								
		- lower contact ground								
		occasional grains of feldspar porphyroblasts but rock usually too fine grained								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-40

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY AU (PPB)	ASSAY Cu (PPm)	ASSAY Zn (PPm)	ASSAY Ag (PPm)
84.9	91.1	MAFIC VOLCANIC ROCK								
			3375	85.6	85.85	0.25	<2	7.5	39	0.5
		- dark green, fine to medium grained mafic volcanic rx	3376	88.5	88.75	0.25	<2	36	29	0.5
		- massive								
		- uniform throughout								
		- moderate magnetism								
		- core badly ground at 87.2 - 88.5 m								
		- no veining								
		- colour due to chlorite								
		- tr py → magnetism due to magnetite								
		- relatively soft								
		- py at 91.0								
		- becomes fine grained near basal contact.								
91.1	91.4	CONDUCTOR - GRAPHITIC METASEDIMENT								
			3377	91.1	91.4	0.30	<2	530	200	1.5
		- excellent conductor containing 70% fine grained grey black graphite and 30% white chert								
		- chert is concentrated towards upper contact								
		- contact at 70° to core axis								
		- graphite rich portion contains angular chert fragments								
		- no sulphides visible								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-40

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	Cu (PPM)	Zn (PPM)	Ag (PPM)
91.4	99.1	EPICLASTIC METASEDIMENTARY ROCK								
			3378	91.6	91.85	0.25	<2	110	140	1.0
		- identical to previous section at 77.3-84.9m	3379	94.55	94.80	0.25	<2	230	89	1.0
		- well layered, fine grained, greyish black epiclastic metasedimentary rock	3380	97.6	97.85	0.25	<2	240	160	1.0
		- contains more py than previous ave. 1%								
		- unlike previous section gt-aluminosilicate (?) assemblage is developed - most abundant section is at 93.8-95.9m where they constitute 3% of rock								
		- excellent layering at 70° to core axis								
99.1	99.5	CHERTY TUFF W PY, PO, GT	3381	99.1	99.5	0.4	13	490	220	1.0
		- very poorly conductive								
		- contains 70% chert, 10% gt, 10% po+py, 10% chlorite								
		- gt concentrated at 99.3, sulphides concentrated at 99.35								
		- lower contact grained								
		- poorly banded at 70° to core axis								
		- moderately magnetic								

GETTY MINES, LIMITED

Hole Number DC-83-40

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Pb (ppm)
99.5	153.0	EPICLASTIC METASEDIMENTARY ROCK								
			3382	100.35	100.6	0.25	<2	54	45	0.5
		- cs at 77.3-84.9, 91.4-99.1m	3383	103.3	103.55	0.25	<2	69	42	1.0
		- fine grained, grey-green, siliceous epiclastic sedimentary	3384	106.25	106.50	0.25	<2	67	41	0.5
		rock containing abundant 5-10% aluminosilicate (?)	3385	109.1	109.35	0.25	<2	140	26	1.0
		and lesser qt	3386	112.1	112.35	0.25	3	150	47	1.0
		- aluminosilicate (?) + qt bands mimic excellent	3387	115.0	115.25	0.25	5	130	32	1.0
		soft sediment features particularly well developed	3388	117.85	118.10	0.25	12	220	62	1.0
		at 119.6-122.0m	3389	120.80	121.05	0.25	3	160	21	1.0
		- chert band at 103.3-103.45	3390	123.75	124.00	0.25	<2	75	25	0.5
		- pink chert band at 124.60-125.05m	3391	126.6	126.85	0.25	<2	52	34	1.0
		- excellent banding at 65° to c.a	3392	129.5	129.75	0.25	4	140	21	0.5
		- minor qtz-calcite-chlorite veining	3393	132.5	132.75	0.25	<2	150	49	0.5
		- weak to moderately magnetic	3394	135.4	135.65	0.25	2	110	15	0.5
		- 0.5% py	3395	138.4	138.65	0.25	<2	140	16	0.5
		- rock fairly soft and appears to be formed from	3396	141.20	141.45	0.25	<2	120	33	1.0
		weathering of mafic volcanic source rock - dominant								
		minerals are chlorite + qtz	3424	144.1	144.35	0.25	2	140	16	<0.5
		- short section of mafic tuff at 114.1 - 114.7m; clearly	3425	147.05	147.30	0.25	<2	180	15	0.5
		mafic tuff at 114.7-114.8m	3426	150.0	150.25	0.25	2	110	25	0.5
		- occasional qtz veinlets crosscut core at high angle								
		- heavy ft at 130.1m								
		- more frequent quartz veinlets towards base of								
		section								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-40

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (oz/t)
153.0	153.4	FELDSPAR PORPHYRY DYKE	3427	153.0	153.4	0.4	<2	70	59	0.5
		- coarse grained feldspar porphyry dyke - grey in colour (groundmass) with 50% white anhedral feldspar porphyroblasts up to 5mm in diameter - well foliated at 65° to core axis - upper and lower contacts conformable at 65° to core axis - contacts with country rock heavily veined and altered to a light green fine grained rock - contains 25% foliated biotite - no pyrite								
153.4	159.1	EPICLASTIC METASEDIMENTARY ROCK	3428	155.8	156.05	0.25	<2	030	24	0.5
		- as previously logged at 99.5 - 153.0 m - well layered at 65° to core axis - soft sediment features are cut as well developed as in previous section - trace py - no gt or aluminosilicate (?) developed								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-40

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Mo (ppm)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Pb (ppm)
159.1	159.35	Feldspar Porphyry Dyke	3429	159.1	159.35	0.25	<2	46	74	0.5
		- as previously described at 153.0 - 153.4 m - upper contact at 70° to core axis - lower contact at 60° to core axis - py at lower contact - finer grained and better foliated at contacts								
159.35	159.60	EPICLASTIC METASEDIMENTARY ROCK								
		- as above previously described at 99.5 - 153.0 m - trace py - - layering at 62° to core axis								
159.60	159.95	FELDSPAR PORPHYRY DYKE								
		- as previously described at 153.0 - 153.4 m - upper and lower contacts at 70° to core axis - foliation at 65° to core axis								
159.95	161.7	EPICLASTIC METASEDIMENTARY Rock								
		- as previously described at 99.5 - 153.0 m - trace py - less than 1% gt + alumino-silicate (?) - layering at 65° to core axis								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-40

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
161.7	163.2	FELDSPAR PORPHYRY DYKE	3430	161.7	161.95	0.25	<2	37	61	0.5
		- as described at 153.0 - 153.4								
		- upper contact at 75° to core axis								
		- lower contact at 85° to core axis								
		- foliation at 70° to core axis								
		- trace pyrite								
163.2	182.2	EPICLASTIC METASEDIMENTARY ROCK								
			3431	164.5	164.75	0.25	2	220	360	1.0
		- as described at 99.5 - 153.0 m	3432	167.3	167.55	0.75	4	140	38	1.0
		- trace py.	3433	170.15	170.40	0.25	<2	130	55	1.0
		- foliation at 65° to core axis	3434	172.90	173.15	0.25	5	88	23	0.5
		- minor [illegible] begin to pick up in	3435	175.85	176.10	0.25	2	97	49	1.5
		the [illegible] and constitutes 2% of rock	3436	178.7	178.95	0.25	8	100	27	0.5
		- minor mafic tuff units foliated at 65° to core axis	3437	181.7	181.95	0.25	<2	120	24	0.5
		located at 172.8 - 172.95 m, 176.9 - 178.0 m								
		- silica(?)-chlorite alteration mimics sedimentary								
		textures of core								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-40

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
182.2	187.5	MAFIC TUFF	3438	184.7	184.95	0.25	<2	150	23	<0.5
		- dark green, well foliated, mafic tuff								
		- fine to medium grained								
		- weak to non-magnetic								
		- contains 35-40% bladed dark green amphiboles, about 2mm long, displaying an excellent foliation oriented at 70° to core axis								
		- periodic 3-5 mm wide bands of grey-white chert; less than 2% of core - chert bands contains 20% amphibole								
		- less than 1% pyrite diss. throughout								
		- epiclastic metasedimentary rock similar to previously described at 185.3 - 185.7								
		- only rare alteration bands present.								
		- massive and competent throughout.								
187.5	190.0	EPICLASTIC METASEDIMENTARY ROCK	3439	187.65	187.90	0.25	<2	120	10	<0.5
		- as previously described at 99.5 - 153.0 m and in other shorter sections								
		- quartz chlorite calcite alteration banding parallels bedding								
		- py at 189.3 m								
		- only very minor aluminosilicate (?) present								
		- layering at 65° to core axis								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-40

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY (Cu ppm)	(Ni ppm)	(Zn ppm)	(Co ppm)
190.0	193.75	MAFIC TUFF								
			3440	190.5	190.75	0.25	3	170	12	0.5
		- as previously described at 182.2 - 187.5 m	3441	193.5	193.75	0.25	42	160	27	0.5
		- excellent foliation oriented at 70° to core axis								
		- short section of epiclastic meta-sedimentary rock at 191.1 - 191.8 - lower contact 191.7 - 191.8 highly sheared and infilled by qtz - chlorite - K-feldspar								
		- less than 1% py								
		- weak to non-magnetic								
193.75	198.1	AMPHIBOLITE	3442	196.4	196.65	0.25	42	91	22	0.5
		- dark green, medium to coarse grained amphibolite with an excellent foliation developed at 65° to core axis								
		- non magnetic								
		- cut by infrequent qtz - chlorite veinlets								
		- very similar to rock described at 56.1 - 75.6m but up to 70% amphibole								
		- massive, very competent								
		- base gradational								
198.1		END OF HOLE								
		- conductor definitely explained								
		- core recovery 99%								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-41

Property. Detour Lake J.V.
Location. 144 km NE Cochrane, Ont

Grid. West 'A'
Latitude. L 62+00 N
Departure. 5175 N

Core Size. BQ
Elev. Collar.
Bearing. 340°
Dip. -50°
Length. 175.9m
Horiz. Trace. 120.0m
Vert. Trace. 130.0m

Starting Date. Nov. 23/1983.
Completion Date. Nov. 28/1983.

Date Logged. Nov. 27-28/1983
Logged by. R. B. Scratch

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50
42.1m	-59.0	-50.5
91.4m	-56.0	-47.0
175.9m	-48.7	-40.0

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au (PPB)	Cu (PPm)	Zn (PPm)	Ag (ppm)
0.0	42.1m	overburden - large boulders immediately overlie bedrock for approximately 5.0 meters								
42.1	55.1	MAFIC TUFF								
		- dark grey to black fine grained matic tuffaceous rock	3180	42.1	42.35	0.25	<2	91	180	<0.5
			3181	44.95	45.20	0.25	<2	2.5	65	<0.5
		- bedding well developed and oriented at 65° to core axis - probably bedding cleavage.	3182	47.9	48.15	0.25	<2	41	67	0.5
			3183	51.2	51.6	0.40	30	440	670	2.5
		- fine grained metamorphic minerals developed parallel to bedding	3184	54.1	54.5	0.40	120	690	210	4.5
		- abundant grey-clear aluminosilicate (?) minerals developed in this section - grain size ranges from low to low and occurs as euhedral growth plates - aluminosilicate (?) is more developed toward the top of this section								
		- aluminosilicate rich zones are more massive								
		- less than 1% py disseminated								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-41

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Pb (ppm)
		- some sections with abundant bedded pyrite and minor pyrrhotite at 51.2 - 51.6 m (20% sulphide, minor conductor), 53.0 - 53.5 m (10% sulphide), 54.1 - 54.5 m (15% sulphide, abundant silica - chert), 55.0 - 55.1 m (20% sulphide)								
		- sulphide rich sections above are associated with grey silica (chert), bedded, upto 50% over short sections								
		- minor thin 2-5 mm quartz veinlets crosscut core at a high angle								
		- ground core at 49.1 - 50.5 m								
55.1	65.0	MAFIC VOLCANIC ROCK								
		- uniform, medium grained dark green to black, mildly magnetic mafic volcanic rock	3185	57.15	57.40	.25	3	47	58	1.0
		- featureless and uniform throughout	3186	60.0	60.25	.25	5	130	38	1.0
		- massive	3187	62.85	63.1	.25	<2	34	31	<0.5
		- amphibolitic foliation developed at 65° to core axis								
		- 1% pyritic disseminated throughout								
		- minor quartz - carbonate veining throughout								
		- qtz - carbonate vein at 55.8 - 55.85 m								
		- ground core at 58.0 - 58.8 m								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-41

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
65.8	72.2 m	MAFIC SULPHIDE-BEARING TUFF - CONDUCTOR								
		- as before at 42.1-55.1 m but w a higher silica-chert content and hence a slightly greyier colour	3188	65.8	66.3	0.5	160	280	190	3.0
			3189	66.3	66.8	0.5	10	45	65	1.0
			3190	66.8	67.3	0.5	67	360	280	2.5
		- excellent bedding developed at 60° to core axis	3191	67.3	67.8	0.5	140	600	200	5.5
		- bedded sulphides and inter fracture-controlled pyrite+po	3192	67.8	68.3	0.5	7	40	120	1.0
		averages 10% throughout, 9:1 py:po	3193	68.3	68.8	0.5	43	92	210	1.5
		- chert content averages 20% throughout	3194	68.8	69.3	0.5	36	300	190	2.0
		- chert bds brecciated at 69.7-71.0 m	3195	69.3	69.8	0.5	180	330	710	2.0
		- poor conductor, low magnetic content (po) both	3196	69.8	70.3	0.5	130	610	180	3.5
		consistent w the geophysical profile	3197	70.3	70.8	0.5	190	720	150	3.0
		- upper and lower contacts gradational and	3198	70.8	71.3	0.5	230	520	110	3.0
		placed at the first and last appearance of a	3199	71.3	71.8	0.5	150	430	140	3.5
		significant chert bed	3200	71.8	72.2	0.4	130	150	160	1.5
		- po appears to be fracture controlled and crosscuts bedded (primary) pyrite - pyrite also occurs in fractures								
		- some sections occur which are low in both chert and sulphide content as at 66.3-67.0 m, 67.8-68.6 m								
		- chlorite is present in mafic-rich sections								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-41

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPB)	Cu (PPM)	Zn (PPM)	Ag (PPM)
72.2	117.65	INTERCALATED INTERMEDIATE TUFF & VOLCANIC ROCK								
			3201	74.4	74.65	0.25	<2	54	25	<0.5
		- dark green to black moderately siliceous intercalated	3202	77.3	77.55	0.25	360	200	180	1.0
		intermediate tuff and volcanic rock	3203	80.05	80.30	0.25	2	100	250	1.0
		- bedding and foliation oriented at 60° to core	3204	82.90	83.15	0.25	36	650	91	1.0
		axis	3205	85.80	86.05	0.25	230	710	320	3.0
		- the tuffaceous sections have both reddish coloured	3206	88.80	89.05	0.25	8	91	96	1.0
		anhedral garnets 2-3mm in size and greyish to	3207	91.65	91.90	0.25	<2	94	83	<0.5
		clear aluminosilicate (?) clots developed.	3208	94.7	94.95	0.25	<2	150	25	<0.5
		- tuff sections have abundant chlorite developed	3209	97.6	97.85	0.25	4	110	25	<0.5
		parallel to foliation	3210	100.6	100.85	0.25	<2	100	22	<0.5
		- garnet rich veinlet at 86.0 m	3211	103.45	103.70	0.25	<2	70	29	<0.5
		- garnet and aluminosilicate (?) do coexist in	3212	106.4	106.65	0.25	<2	14	15	<0.5
		short sections as at 87.9 m but usually not	3213	109.3	109.55	0.25	<2	35	34	<0.5
		- short sections of pyritic chert at 76.95 - 77.0 m,	3214	112.3	112.55	0.25	<2	110	36	<0.5
		78.1 - 78.4 m, 81.6 - 81.7m								
		- pyrite averages 1-2% throughout								
		- rock competent, very few veinlets								
		- epidote bearing veinlet at 84.0m								
		- qtz - chlorite veinlets at 87.0 m								
		- some minor chlorite - qt - py alteration banding								
		parallel to foliation from 96.6m onward but								
		- quartz vein at 109.5 - 109.6 m								
		- most of the sulphide occurs in alteration bands								
		but also minor amounts disseminated as								
		at 114.7m								
		- from 116.3m - the base of section progressively								
		more quartz begins to occur perhaps indicative								
		of a proximal sedimentary source								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-41

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Mo (ppm)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
117.65	118.1	SILICIFIED SEDIMENTARY ROCK	3215	117.65	118.1	0.45	<2	3.5	17	<0.5
		- upper and lower contacts sharp at 60° to core axis								
		- very fine grained silicified sedimentary rock								
		- very hard								
		- upper and lower portions brownish due to presence of biotite - center portion contains less biotite and appears as cryptocrystalline cherty rock with no internal structure except veining from which silicification process proceeded								
		- perhaps a fine grained siltstone to begin with								
118.1	175.9	INTERCALATED INTERMEDIATE TUFF & VOLCANIC ROCK	3216	118.2	118.45	0.25	2	160	19	<0.5
			3217	121.0	121.25	0.25	<2	140	21	<0.5
		- identical to 72.2 - 117.65 m	3218	124.0	124.25	0.25	<2	200	16	<0.5
		- frequently cut by veinlets of chlorite-gt-py-qtz	3219	126.9	127.15	0.25	<2	220	16	<0.5
		- 1% pyrite throughout	3220	129.8	130.05	0.25	<2	150	17	<0.5
		- both gt and aluminosilicates (?) developed in tuffaceous bands as before	3221	132.8	133.05	0.25	<2	82	13	<0.5
			3222	135.7	135.95	0.25	<2	37	6.6	0.5
		- both bedding and foliation oriented at 65° to core axis	3223	138.6	138.85	0.25	3	140	15	<0.5
		- weakly to non-magnetic								
		- moderate hardness								
		- in general veinlets consist of qtz-py-gt-chlorite and gives rise to envelops rich in aluminosilicate (?) well illustrated at 164.5 m								
		- one will see 1% gt, 5% aluminosilicate (?) but both are concentrated in tuffaceous bands								
		- broken section at 161.0 m								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-41

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		- in general the amount of garnet increases downhole where as the aluminosilicate (?) decreases downhole	3224	141.4	141.65	0.25	<2	51	41	<0.5
			3225	144.45	144.70	0.25	<2	210	26	<0.5
			3226	147.3	147.55	0.25	<2	190	9.5	<0.5
		- amount of gt-py-gt$_3$-chlorite veinlets increase downhole	3227	150.3	150.55	0.25	<2	23	25	<0.5
			3228	153.1	153.35	0.25	<2	110	15	<0.5
		- at bottom of hole bedding/foliation is oriented at 60° to core axis	3229	156.0	156.25	0.25	3	130	24	1.0
			3230	159.0	159.25	0.25	<2	160	22	1.0
			3231	161.9	162.15	0.25	<2	150	22	0.5
			3232	164.9	165.15	0.25	<2	76	18	0.5
			3233	167.75	168.0	0.25	4	96	12	<0.5
			3234	170.7	170.95	0.25	<2	130	13	<0.5
		E.O.H. 175.9m	3235	173.5	173.75	0.25	2	160	13	<0.5
		- conductor explain								
		- core recovery 99%								
		- some core ground near the top								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-42

Property..Detour Lake J.V.
Location..144 Km NE of Cochrane, Ont.

Grid.....West 'A'
Latitude.....L46+00W
Departure.....7+25N

Core Size.....BQ
Elev. Collar.....
Bearing.....340°
Dip.....-50°
Length.....160.6m
Horiz. Trace....111.0m
Vert. Trace.....117.5m

Starting Date..Dec. 5/83
Completion Date..Dec. 9/83

Date Logged..Dec. 8-9/83
Logged by..R.B. SCRATCH

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-51
43.9m	55.5	-47
91.4m	55.9	-47
160.6m	50.8	-42

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
0	44.1	OVERBURDEN / CASING								
44.1	73.4	EPICLASTIC METASEDIMENTARY ROCK								
		- medium to coarse grained, gray to black	3467	44.1	44.35	0.25	6	28	21	0.5
		epiclastic metasedimentary rock	3468	47.15	47.40	0.25	<2	44	32	0.5
		- extremely well foliated at 70-75° to	3469	50.0	50.25	0.25	<2	11	39	0.5
		core axis	3470	52.9	53.15	0.25	4	7	10	0.5
		- foliation produced by parallel alignment	3471	55.9	56.15	0.25	<2	6	31	0.5
		of biotite + chlorite (40-50%) and quartz	3472	58.7	58.95	0.25	<2	5	13	0.5
		+plagioclase (50-60%) in layers approximately	3473	61.7	61.95	0.25	<2	8	23	0.5
		1-2 mm wide	3474	64.55	64.80	0.25	<2	45	20	0.5
		- <1% pyrite disseminated								
		- minor development of aluminosilicate (?)								
		- fine grained greenish black metasedimentary								
		rock sections (dirty chert) at 47.7-47.85,								
		52.1-52.4 m								
		- rock quite hard								
		- weak to moderately								
		- qt at 56.9m								
		- qtz + chlorite, carbonate veining parallel minor								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-42

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- veins oriented at a high angle to core axis	3475	67.5	67.75	0.25	<2	4.5	31	0.5
		- aluminosilicate (?) forms disseminated 1mm size growths constituting up to 5% of rock in some sections	3476	70.45	70.7	0.25	<2	3.5	24	0.5
		- mafic dyke at 69.8-69.9m, 73.3-73.4m								
		- towards the base core is cut by frequent up to 5cm wide veinlets consisting of qtz-chlorite-feldspar at a high angle to core								
73.4	86.8	SILICEOUS METASEDIMENTARY ROCK								
		- grey to black very fine grained, hard, siliceous, metasedimentary rock								
		- with occasional sections of epiclastic metasedimentary rock as described above								
		- foliation at 70° to core axis	3477	73.4	73.65	0.25	<2	5	31	0.5
		- rock very similar mineralogically to above unit but much more fine grained	3478	76.25	76.50	0.25	360	10	19	0.5
		- crosscut by frequent qtz-chlorite-feldspar veinlets as above	3479	79.2	79.45	0.25	<2	4.5	37	0.5
			3480	82.15	82.4	0.25	<2	8	18	0.5
			3481	84.7	84.95	0.25	<2	50	16	0.5
		- weak to non magnetic								
		- core broken in several spots								
		- from 86.4 to 86.8 intermediate unit with foliation at 70° to core axis								
		- bottom contact with underlying unit badly broken								
		- minor bands of chloritic material - mafic ?old								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-42

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	ASSAY Cu(ppm)	ASSAY Zn(ppm)	ASSAY Ag(ppm)
86.8	102.4	AMPHIBOLITE W EPICLASTIC METASEDIMENTARY RX								
		- dark green medium to coarse grained amphibolite	3482	87.5	87.75	0.25	<2	43	6	0.5
		- 50% dark green amphibole with a vague foliation at 70° to core axis	3483	90.4	90.65	0.25	<2	150	53	0.5
		- qtz-epidote-calcite veinlet at 90.5-90.6 m	3484	93.3	93.55	0.25	<2	16	6	0.5
		- weak to non-magnetic	3485	96.2	96.45	0.25	<2	22	5	<0.5
		- minor calcite veinlets present throughout	3486	99.25	99.5	0.25	<2	9.5	12	1.0
		- minor short well layered sections of dirty mafic epiclastic metasedimentary rock (bedding at 92.0-92.4, 98.3-98.9 m, 102.2-102.4	3487	102.1	102.35	0.25	<2	13	14	1.0
		- core very fractured, altered and gouged at 98.5-98.7m								
		- foliation within epiclastic metasedimentary rock units displays kinking at 102.3-102.4m								
		- trace pyrite								
		- qtz-epidote-calcite veinlets at 100.7-101.0 m								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-42

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
102.4	113.3	DIRTY SILTSTONE	3488	105.15	105.40	0.25	<2	58	18	1.0
			3489	108.0	108.25	0.25	<2	35	15	0.5
			3490	111.0	111.25	0.25	<2	43	68	0.5
		- fine grained greyish biotite bearing siltstone								
		- massive no internal structure								
		- no foliation visible								
		- non magnetic								
		- no sulphide								
		- very uniform throughout except near								
		lower contact at 112.4-113.3 where a								
		mafic [illegible] component appears								
		- 112.3-113.0 m qtz-chlorite-feldspar vein and								
		irregular [illegible] towards base.								
113.3	151.0	AMPHIBOLITE								
		- dark green medium to [illegible] grained, massive	3491	113.8	114.05	0.25	<2	8	9.5	0.5
		amphibolite which unlike previous section at	3492	116.8	117.05	0.25	<2	9.5	7	<0.5
		86.8-102.4 contains no short sections of	3493	119.7	119.95	0.25	<2	2	8.5	<0.5
		epiclastic metasedimentary rock	3494	122.65	122.90	0.25	<2	63	21	0.5
		- non magnetic to weakly magnetic	3495	125.6	125.85	0.25	<2	2	8.5	0.5
		- trace pyrite	3496	128.6	128.85	0.25	<2	50	10	0.5
		- contains [illegible] qtz-[illegible] calcite veinlets	3497	131.5	131.75	0.25	<2	65	35	0.5
		which occasionally cause short sections of	3498	134.5	134.75	0.25	<2	53	11	0.5
		core [illegible] [illegible] at 120.1-120.4 m								
		- sporadic development of garnet and								
		aluminosilicate (?)								

GETTY MINES, LIMITED

Hole Number DL-83-42

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- rock contains 60-70% coarse blocked dark green amphibole and 30-40% grey plagioclase interstitial to amphibole	3499	137.4	137.65	0.25	<2	92	13	0.5
			3500	140.5	140.75	0.25	<2	96	18	0.5
		- foliation weak at 60° to core axis but at 120.8 there is a wavy banding oriented parallel to core axis (fractures)	3501	143.4	143.65	0.25	<2	41	11	0.5
			3502	146.3	146.55	0.25	<2	8	14	0.5
			3503	149.3	149.55	0.25	<2	23	13	0.5
151.0	154.3	EPICLASTIC METASEDIMENTARY ROCK								
			3504	152.15	152.40	0.25	<2	55	20	0.5
		- dark green, well banded, fine grained epiclastic metasedimentary rock								
		- weakly magnetic								
		- trace pyrite								
		- banding at 80° to core axis								
		- banding consists of dark green chlorite bands and grey feldspar + chlorite bands								
		- probably derived from a mafic volcanic source								
		- fragment qtz-calcite-chlorite veinlets								

GETTY MINES, LIMITED

Hole Number DL-83-42

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
154.3	160.6	AMPHIBOLITE								
			3505	155.2	155.45	0.25	<2	150	9.5	<0.5
		- dark green, medium to coarse grained, massive amphibolite at ct 113.3 - 151.2 m	3506	158.05	158.3	0.25	<2	45	7	0.5
		E.O.H 160.6 m								
		- no conductor intersected - max min anomaly very weak, perhaps conductor was deeper than intersected by this hole								
		- 99% core recovery								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-43

Property...DETOUR LAKE.....
Location..144 km NE. COCHRANE, ONTARIO

Grid.....WEST 'A'.....
Latitude.....1+25S.....
Departure....L 75+00W.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....340°.....
Dip.....-45°.....
Length.....197.2 m.....
Horiz. Trace..144.0 m.....
Vert. Trace...135.0 m.....

Starting Date.....November 17, 1983
Completion Date..November 22, 1983

Date Logged. November 21 to 23, 1983
Logged by..K.S. Sutherland.....

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-45°
61.0 m		-47°
91.4 m		-43°
197.2 m		-37.5°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Pb(ppm)
0.0 m	61.0 m	OVERBURDEN - sand, boulders								
61.0 m	118.4 m	MAFIC EPICLASTIC METASEDIMENTARY/TUFFACEOUS ROCK								
		- The rock is grey/green, fine to medium grained, medium soft and locally weakly magnetic.	D10941	61.0	61.5	0.5	42	130	57	0.5
		- Rock mineralogy consists of 45-55% green amphibole/chlorite and 45-55% white plagioclase/feldspar.								
		- The rock is moderately foliated 50° to the CA and is banded 50° to CA. The f-med grained bands are 2mm to 1 cm wide and are locally folded. The finer grained horizons tend to exhibit more deformation (folding slumping)								
		- Up to 3% pyrite/pyrrhotite is present and occurs as disseminations and in fine laminations.								
		- Quartz veins are present throughout 3% of the rock and are 5mm to 2cm wide and oriented 50° to 72° to CA								

GETTY MINES, LIMITED

Hole Number DL-83-43

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		Minor chlorite and sulphides locally rim veins. Quartz-carbonate veins are present in 5% of unit								
		62.1 - 64.9 Blocky core, poor core recovery								
		64.3 - 64.5, 65.2 - 65.5, 66.4 - 66.6 - Quartz veins	DCC942	64.0	64.5	0.5	<2	180	30	0.5
			DCC943	64.5	65.0	0.5	<2	180	42	0.5
		67.8 - 68.0 Chlorite rich rock with 2-3% pyrite / pyrrhotite	DCC944	65.0	65.5	0.5	<2	310	68	0.5
			DCC945	65.5	66.0	0.5	<2	440	130	1.0
			DCC946	66.0	66.5	0.5	<2	550	130	1.0
		68.4 - 70.7 Finer grained interval - locally folding of bands.	DCC947	67.0	67.5	0.5	<2	230	110	0.5
			DCC948	67.5	68.0	0.5	6	190	76	1.0
		77.5 - Foliation and banding 50° to C/A	DCC949	68.0	68.5	0.5	4	170	34	1.0
			DCC950	68.5	69.0	0.5	3	65	33	0.5
		81.4 - 92.0 Rock contains 8% quartz-carbonate veins, 1mm to 5mm wide with jagged irregular contacts, oriented 30° to 50° to C/A. Locally veins are folded (87.3 stygmoidal vein) and are pink (contain minor K-spar)	DCC951	69.0	69.5	0.5	<2	76	95	0.5
			DCC952	72.5	73.0	0.5	<2	63	61	0.5
			DCC953	73.0	73.5	0.5	<2	140	130	0.5
			DCC954	77.5	78.0	0.5	<2	94	62	0.5
		92.5 - 95.5 Blocky core, poor core recovery	DCC955	78.0	78.5	0.5	<2	110	130	0.5
			DCC956	78.5	79.0	0.5	<2	180	120	0.5
		95.9 - 96.2 Fracture zone, weakly silicified	DCC957	79.0	79.5	0.5	<2	140	180	0.5
			DCC958	79.5	80.0	0.5	<2	86	98	0.5
		96.2 - 102.5 Finer grained interval, locally folded bands	DCC959	80.0	80.5	0.5	<2	110	160	0.5
			DCC960	80.5	81.0	0.5	<2	150	150	0.5
			DCC961	81.0	81.5	0.5	<2	120	59	0.5
		100.3 Laminations 35° to C/A	DCC962	81.5	82.0	0.5	<2	120	47	0.5
			DCC963	82.0	82.5	0.5	<2	110	44	0.5
		100.7 Lamination 50° to C/A	DCC964	82.5	83.0	0.5	<2	120	39	0.5
			DCC965	83.0	83.5	0.5	<2	130	38	0.5
		105.8 Laminations parallel to C/A	DCC966	83.5	84.0	0.5	2	110	55	0.5
		106.6 Laminations 35° to C/A	DCC967	84.4	84.9	0.5	<2	110	75	0.5

GETTY MINES, LIMITED

Hole Number DL-83-43

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		109.9 laminations parallel to CIA	DCC968	86.8	87.3	0.5	<2	110	51	0.5
			DCC969	88.2	88.7	0.5	<2	100	40	0.5
118.4	134.8	GARNETIFEROUS METASEDIMENTARY ROCK	DCC970	89.7	90.2	0.5	<2	120	40	0.5
		- The rock is green, fine to coarse grained, medium hard and very weakly magnetic where fine pyrrhotite (+pyrite) bands are present	DCC971	92.3	92.8	0.5	<2	110	28	0.5
			DCC972	95.4	95.9	0.5	<2	85	36	1.0
			DCC973	95.9	96.4	0.5	<2	140	22	1.0
			DCC974	96.4	96.9	0.5	4	110	36	1.0
		- The rock is banded 30° to 45° to CIA (possible graded bedding)	DCC975	98.2	98.7	0.5	<2	98	53	0.5
			DCC976	101.4	101.9	0.5	<2	96	51	0.5
		- Upper contact is 50° to CIA	DCC977	103.7	104.2	0.5	<2	120	31	0.5
		The rock contains 1-3% pyrite and 1% pyrrhotite which occurs in fine stringers that cross cut the banding	DCC978	106.8	107.3	0.5	<2	130	42	0.5
			DCC979	109.3	109.8	0.5	<2	71	50	<0.5
			DCC980	112.2	112.7	0.5	5	220	40	0.5
		- Rock contains 10% pink garnets 1mm to 8mm in size	DCC981	114.9	115.4	0.5	<2	110	34	0.5
		125.5 - 126.3 and 126.8 - 127.9 Siliceous metasediment rock - sharp contact 25° to CIA and foliated @ 25° to CIA Contains no garnet Grey in colour and non-magnetic	DCC982	115.0	115.5	0.5	<2	150	41	0.5
			DCC983	120.6	121.1	0.5	<2	8	180	0.5
			DCC986	121.7	121.8	0.1	<2	13	80	0.5
		127.9 - 134.8 - Banding more apparent/distinct. The banding is compositional light and dark-coloured minerals) and the bands are weakly deformed (slump, boudinage). Rock contains 5 to 15% pink/red subhedral garnets 1mm to 8mm in size	DCC984	123.5	124.0	0.5	<2	150	290	1.0
			DCC985	126.4	126.9	0.5	8	87	65	0.5
			DCC987	129.4	129.9	0.5	<2	130	50	0.5
		130.5 - 132.8 and 133.4 to 135.5 These intervals contain conformable conglomeritic bands up to 15cm wide The bands are foliated 25° to CIA and contain quartz biotite and garnet	DCC988	132.2	132.7	0.5	<2	150	700	0.5
134.8	145.2	AMPHIBOLITIZED METASEDIMENTARY ROCK	DCC989	134.8	135.3	0.5	<2	94	93	0.5
		The rock is green, fine to medium grained medium soft and non-magnetic. Minor chlorite	DCC990	137.9	138.4	0.5	<2	110	39	<0.5

GETTY MINES, LIMITED

Hole Number DL-83-43

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(g/t)	Cu(ppm)	Zn(ppm)	Pb(ppm)
		veins are present throughout the unit. The rock is foliated 25° to parallel to the C/A and may represent the area of the anticipated fold nose. There is trace sulphide. 135.7 - 135.8 Quartz + K-feldspar band conformable to foliation	DC0991	140.6	141.3	0.5	<2	120	38	0.5
			DC0992	144.7	145.2	0.5	<2	100	36	0.5
145.2	147.7	SILICIFIED ZONE - The rock is grey/white (mottled), hard, fine grained and locally very weakly magnetic. Upper and lower contacts are sharp, 30° to C/A and rimmed by chlorite. Pillow banding is apparent oriented at a shallow degree to the C/A. Locally the unit is pink (K-feldspar). Pyrite/pyrrhotite are present 1-2% as <2mm blebs	DC0993	145.2	145.7	0.5	<2	6.5	48	40.5
			DC0994	145.7	146.2	0.5	<2	3	18	1.0
			DC0995	146.2	146.7	0.5	<2	15	17	0.5
			DC0996	146.7	147.2	0.5	11	10	310	40.5
			DC0997	147.2	147.7	0.5	<2	15	59	0.5
147.7	169.2	AMPHIBOLITIZED METASEDIMENTARY ROCK The rock is fine grained, green/grey, medium soft and locally weakly magnetic due to pyrrhotite. The rock is banded (compositional) 5° to 30° to C/A and locally garnetiferous. Rock mineralogy consists of chlorite, quartz, K-feldspar, biotite, calcite (trace). Minor sulphides locally pyrrhotite. Localized beds are defined by quartz veining throughout. Core angles steepen down hole. 147.7 - Banding and foliation 5° to parallel to C/A. 153.4 Contact zone - 5-10% pink K-feldspar veins to 1cm in dia.	DC0998	147.7	148.2	0.5	<2	100	230	0.5
			DC3055	149.5	150.0	0.5	<2	100	36	0.5
			DC0999	152.4	152.9	0.5	<2	68	71	0.5
			DC1000	153.7	154.2	0.5	6	1400	150	1.0
			DC3051	154.2	154.7	0.5	3	1400	130	1.0
			DC3052	154.7	155.2	0.5	<2	250	110	0.5
			DC3053	156.2	156.7	0.5	<2	220	72	1.0
			DC3054	161.1	161.6	0.5	<2	72	34	0.5
			DC3056	169.1	169.6	0.5	9	77	37	0.5
			DC3057	168.9	169.4	0.5	4	94	40	0.5

GETTY MINES, LIMITED

Hole Number DL-83-43

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Ag(ppm)	Zn(ppm)	Hg(ppm)
		154.4 - 154.6 10-15% pyrite as disseminations and contorted laminations								
		166.9 Bands are defined and weakly banded/layered foliation is 30° to CA and there are 2mm wide quartz veins cross cut banding								
169.2	175.6	ALTERED QUARTZ FELDSPAR PORPHYRY SILL	DC3058	169.4	169.9	0.5	<2	82	38	0.5
		The rock is grey, hard and non-magnetic	DC3059	169.9	170.4	0.5	<2	38	17	0.5
		Upper contact defined (conformable) 30° to CA	DC3060	170.4	170.9	0.5	<2	37	20	0.5
		and lower contact is sharp 35° to CA	DC3061	170.9	171.4	0.5	<2	11	15	<0.5
		The unit consists of quartz ± feldspar?	DC3062	171.4	171.9	0.5	<2	8	32	<0.5
		phenocrysts (white, subhedral 1mm to 3mm)	DC3063	171.9	172.4	0.5	<2	13	38	0.5
		hosted in a fine grained siliceous groundmass.	DC3064	172.4	172.9	0.5	<2	18	32	<0.5
		Pale banding 1 to 2 cm wide and	DC3065	172.9	173.4	0.5	<2	14	34	<0.5
		oriented 30° to CA is apparent 1% disseminated	DC3066	173.4	173.9	0.5	7	37	43	<0.5
		pyrite is present. The rock is fractured	DC3067	173.9	174.4	0.5	<2	52	41	<0.5
		at a shallow angle to the CA and	DC3068	174.4	174.9	0.5	2	130	36	<0.5
		the rock is cross cut by fine quartz	DC3069	174.9	175.4	0.5	<2	16	40	<0.5
		veins (bleached veins) oriented 35° to CA.	DC3070	175.4	175.9	0.5	<2	84	35	0.5
		The rock appears silicified								
175.6	197.2	MAFIC FOLIATED METAPYROCLASTIC ROCK	DC3071	176.7	177.2	0.5	2	130	29	<0.5
		The rock is dark green/grey, fine to								
		medium grained, medium soft and non-	DC3072	181.6	182.1	0.5	<2	140	48	0.5
		magnetic. The rock is compositionally								
		layered (mm to 1cm wide events 35° to 45° to CA)	DC3073	184.5	185.0	0.5	2	170	28	<0.5
		but locally contorted and brecciated								
		bands are present throughout. Rock mineralogy	DC3074	187.5	188.0	0.5	7	190	21	<0.5
		consists of amphibole/feldspar/quartz/chlorite								
		with minor carbonate and <1% pyrite	DC3075	190.5	191.0	0.5	<2	96	62	<0.5
		1-2% quartz ± carbonate veinlets and veins								
		in bands	DC3076	193.2	193.7	0.5	12	140	30	<0.5

GETTY MINES, LIMITED

Hole Number DC-83-43

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY				
		178.2 - 178.5 and 181.9 - 182.8 tightly folded and contorted beds									
		189.6 - 191.0 - fine grained interval, banding less pronounced									
		197.2 - Bands oriented ~~47~~ 45° to CA									
197.2m		END OF HOLE									

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GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

Property: Detour Lake J.V.
Location: 144 Km NE of Cochrane, Ont.

Grid: C-12
Latitude: L4+00S
Departure: 0+50W

Core Size: BQ
Elev. Collar:
Bearing: 270°
Dip: -50°
Length: 198.1m
Horiz. Trace: 130.0m
Vert. Trace: 150.0m

Starting Date: Dec. 10/83
Completion Date: Dec. 14/83

Date Logged: Dec. 12-15/83
Logged by: R.B. SCRATCH

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
91.4m	57.7	-48°
198.1m	56.9	-48°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
0.0	19.2 m	OVERBURDEN / CASING								
19.2	47.7	SILICIFIED FELSIC TUFF								
		- very hard, grey-white, silicified felsic tuff	3554	20.7	20.95	0.25	3	18	39	0.5
		- rock is variably silicified (fracture-controlled)	3555	23.9	24.15	0.25	<2	22	39	0.5
		to a mottled white rock from a greyish	3556	25.4	25.65	0.25	<2	5	48	<0.5
		rock with faint tuffaceous layering displayed	3557	28.3	28.55	0.25	3	8	15	<0.5
		by white feldspar grains (1mm)	3558	31.2	31.45	0.25	<2	9	21	<0.5
		- fractures in variably silicified sections contain	3559	34.25	34.5	0.25	<2	29	82	0.5
		the following mineral assemblages:	3560	37.2	37.45	0.25	<2	8	93	<0.5
		i) quartz	3561	40.05	40.3	0.25	<2	3.5	45	<0.5
		ii) quartz + chlorite ± epidote ± py	3562	43.0	43.25	0.25	2	6	24	<0.5
		iii) quartz + py	3563	45.9	46.15	0.25	5	16	45	<0.5
		iv) quartz + Kspar ± chlorite ± garnet								
		- feldspar grains display variable sericitization								
		- 22.5 - 23.8m medium grained intermediate dyke								
		are grain size (1mm).								
		- layering very vague oriented at 75° to								
		core axis								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	ASSAY Cu(ppm)	ASSAY Zn(ppm)	ASSAY Ag(ppm)
		- section overall is about 50% highly silicified sections heavily veined and 50% grey coloured (un?) silicified or less silicified felsic tuff w feldspar crystals displaying incipient sericitization								
		- no preferred orientation to veinlets.								
		- 0.5-1.0% fracture controlled py								
		- non magnetic								
		- amount of sericitization of feldspar and fracture-controlled pyrite increases down hole								
		- two short chert + 10% py horizons at 43.5-43.7, 45.0-45.2m with contacts oriented at 60° to core axis								
47.7	49.5	MAGNETITE + PYRITE ± PO BEARING CHERT	3564	47.7	48.2	0.5	6	110	190	1.5
			3565	48.2	48.7	0.5	17	57	320	1.0
		- 65% grey-white recrystallized chert with 25% fine grained black magnetite bands (5-10cm) mixed in.	3566	48.7	49.2	0.5	5	89	140	1.0
			3567	49.2	49.5	0.3	5	65	170	1.0
		- contains about 10% py+po (9:1) usually bedded but minor fracture controlled sulphide								
		- banding within chert is variable and deformed but bedding displaced by magnetite is excellent and oriented at 75° to core axis								
		- not enough sulphide to be conductive								
		- highly magnetic								
		- 2-3% chlorite mixed in with chert (probably a mafic tuffaceous component								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	ASSAY Cu(ppm)	ASSAY Zn(ppm)	ASSAY Ag(ppm)
49.5	50.4	FELSIC FELDSPAR CRYSTAL TUFF								
			3568	49.5	50.0	0.5	15	120	43	2.0
			3569	50.0	50.4	0.4	42	40	150	0.5
		- coarse grained, light green, very hard, non magnetic felsic crystal tuff								
		- contains 20% subhedral to euhedral feldspar crystals in a light green, cryptocrystalline quartz rich matrix								
		- light green colour presumably due to sericitization of fine grained feldspar in the groundmass								
		- 1cm wide veinlet of coarse grained pyrite oriented at 10° to core axis at 49.8 - 49.15m								
		- contacts distinct oriented at 70° to core axis								
50.4	50.9	MAGNETITE + PYRITE ± PO BEARING CHERT								
			3570	50.4	50.9	0.5	5	140	1300	2.0
		- identical (with exceptions noted below) to that described at 47.2 - 49.5 m								
		- magnetite does not form thick beds but is disseminated throughout the top section at 50.4 - 50.5 m so this section is not as magnetic as previous unit								
		- contains 10% diss. and fracture controlled py + po (9:1)								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
50.9	53.4	FELSIC FELSPAR CRYSTAL TUFF								
		- as described previously at 49.5-50.4 m	3571	50.9	51.4	0.5	2	29	98	1.0
		- lower section from 52.4-53.4 is not crystal	3572	51.4	51.9	0.5	3	17	42	0.5
		tuff but felsic tuff similar to the grey un-	3573	51.9	52.4	0.5	<2	11	49	0.5
		silicified sections described at 19.2-47.7 m	3574	52.4	52.9	0.5	5	230	650	1.5
		- contains 3% fracture controlled pyrite but	3575	52.9	53.4	0.5	<2	18	210	1.0
		this is concentrated at 52.85-52.90 m, 53.15-53.2 m								
		- contains hairline fractures with chlorite along								
		them								
53.4	58.9	CONDUCTOR - Po bearing CHERT w/ ARGILLITE								
			3576	53.4	53.9	0.5	7	270	880	2.5
		- this unit has some excellent conductive	3577	53.9	54.4	0.5	28	230	2000	4.5
		sections and is responsible for the max-min	3578	54.4	54.9	0.5	2	84	270	1.0
		anomaly which was drilled	3579	54.9	55.4	0.5	4	140	1300	2.5
		- in general this unit consists of 50% grey-white	3580	55.4	55.9	0.5	29	350	380	3.0
		bedded and brecciated chert, 25% massive, bedded	3581	55.9	56.4	0.5	19	660	1100	3.5
		and fracture controlled po, and 25% very fine	3582	56.4	56.9	0.5	13	310	3500	3.5
		grained black argillite which is slightly magnetic	3583	56.9	57.4	0.5	12	260	2400	4.5
		and probably contains some (1-2%) fine grained	3584	57.4	57.9	0.5	21	180	3000	3.0
		magnetite	3585	57.9	58.4	0.5	39	210	220	2.0
		- the best conductive section is located at 55.75-	3586	58.4	58.9	0.5	130	280	280	2.0
		56.2 m and consists of 90% massive po and								
		10% brecciated chert with minor argillite								
		towards contacts								
		- other [illegible] massive sections of po are located								
		at [illegible], 58.6-58.7, 58.85-58.90 m								
		- lower contact is arbitrary and [illegible]								
		[illegible] po and the								
		[illegible] of [illegible]								
		- chert is generally well bedded but where abundant								
		po exists the bedding is [illegible]								
		- bedding is oriented at 75-80° to core axis								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		- reddish garnet present at 58.7-58.8m, 58.1m					
		- py is present but makes up only about 2% of the total sulphide present and usually occurs as recrystallized later stage grossbis.					
		- at 54.0-54.2m excellent salt sediment slump structures preserved in well banded chert-argillite ± sulphide rock					
		- fine grained (1mm) white aluminosilicate(?) disseminated in argillite at 57.4-57.8m - makes up approx. 25% of this short section					
		- minor chlorite (1%) also occurs in dominantly cherty sections					
		- after 57.8m the chert becomes cleaner (whiter) and the amount of argillite rapidly decreases					
		- short section of felsic tuffaceous material at 57.9-58.0m.					

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
58.9	74.2	MAGNETITE - bearing CHERT ± PO, PY								
			3587	58.9	59.4	0.5	57	86	130	1.5
			3588	61.4	61.9	0.5	7	37	140	<0.5
		- as previously described at 47.7 - 49.5m and 50.4 - 50.9m	3589	59.4	59.9	0.5	79	170	59	1.0
		- rock consists of 70% grey white well layered chert, 20% discontinuous and 1-2 cm thick black fine grained magnetite beds, 5% fine grained black argillite component, 3% po+py, 1% garnet, 1% chlorite	3590	62.4	62.9	0.5	32	62	100	1.0
			3591	60.9	61.4	0.5	35	180	66	1.5
			3592	61.4	61.9	0.5	150	280	65	4.0
			3593	61.9	62.4	0.5	49	110	65	2.5
			3594	62.4	62.9	0.5	11	47	76	0.5
			3595	62.9	63.4	0.5	23	78	67	1.0
		- bedding at 70 - 80° to core axis	3596	63.4	63.9	0.5	30	84	88	1.0
		- magnetite particularly concentrated in thick bands in upper part of unit down to 68.3m after which both amount and thickness of beds decrease	3597	63.9	64.4	0.5	31	79	45	1.0
			3598	64.4	64.9	0.5	18	45	32	1.0
			3599	64.9	65.4	0.5	14	16	40	0.5
		- 50% po at 67.3m	3600	65.4	65.9	0.5	26	190	78	1.5
		- from 58.9 - 63.0 m rock contains radiating growths of chlorite - like mineral (stilpnomelane?) occurring as a spherulitic growth up to 0.5 cm in size comprising up to 10% of rock	3601	65.9	66.4	0.5	5	26	76	0.5
			3602	66.4	66.9	0.5	22	63	44	1.0
			3603	66.9	67.4	0.5	24	130	85	1.5
			3604	67.4	67.9	0.5	19	55	46	1.0
			3605	67.9	68.4	0.5	23	50	54	1.0
		- perhaps down hole there is a transition from sulphide facies iron silicate facies to oxide facies iron formation	3606	68.4	68.9	0.5	6	17	80	0.5
			3607	68.9	69.4	0.5	42	9.5	72	0.5
			3608	69.4	69.9	0.5	50	140	170	1.5
			3609	69.9	70.4	0.5	57	67	56	1.0
			3610	70.4	70.9	0.5	36	150	50	1.0
			3611	70.9	71.4	0.5	4	55	49	0.5
			3612	71.4	71.9	0.5	550	58	74	1.5
			3613	71.9	72.4	0.5	5	82	37	0.5
			3614	72.4	72.9	0.5	27	200	49	0.5
			3615	72.9	73.4	0.5	6	100	96	0.5
			3616	73.4	73.9	0.5	3	30	110	0.5
			3617	73.9	74.2	0.3	20	82	130	0.5

GETTY MINES, LIMITED

Hole Number DL-83-46

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Hg(ppm)
74.2	81.4	FELSIC LAPILLI TUFF								
		- very well bedded light green to cream coloured felsic tuffaceous rock which varies from well bedded ash tuff at the top (74.2–75.0m) to darker coloured lapilli tuff with felsic fragments up to 1cm in size displaying and excellent foliation and fragments squished into the plane of the foliation	3618	78.0	78.25	0.25	42	18	200	0.5
			3619	81.0	81.25	0.25	42	35	47	<0.5
		- both bedding and foliation are parallel and oriented at 80-85° to core axis								
		- scattered reddish garnets at 79.8–80.1m								
		- pink K feldspar fracture controlled alteration at 79.5–79.7m								
		- cream colour is due to sericitization of felsic tuff								
		- trace pyrite								
		- lower contact gradational over 80.1–81.4m as rock loses well bedded character.								
		- see sketch								
		- lower contact chosen at change to grey coloured massive felsic tuff								
		- within this section some beds are more mafic in composition and consist of chloritic chlorite								
		- garnets at 75.65m								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
81.4	106.2	SILICEOUS FELSIC TUFF								
			3620	83.9	84.15	0.25	<2	3	65	<0.5
			3621	86.85	87.1	0.25	<2	5.5	8.5	<0.5
		- light grey, very hard, siliceous, non magnetic massive, medium grained blue quartz eye bearing felsic tuff	3622	89.8	90.05	0.25	<2	4	9	<0.5
			3623	92.75	93.0	0.25	<2	6	4	<0.5
			3624	95.4	95.65	0.25	<2	4.5	24	<0.5
		- distinct from above unit owing to massive nature and grey colour	3625	98.2	98.45	0.25	<2	5.5	10	<0.5
			3626	101.2	101.45	0.25	<2	7.5	78	0.5
			3627	104.4	104.65	0.25	<2	8.5	53	0.5
		- contains 1mm sized feldspar grains disseminated throughout (20% of rock)								
		- feldspar grains appear saussuritized around edges								
		- contains up to 40% 3-5mm size bluish rounded quartz eyes — ave 20%								
		- rare reddish garnet present								
		- trace pyrite								
		- frequent hairline qtz-calcite ± chlorite veinlets								
		- hematitic staining at 91.8-91.9m								
		- towards base (96.6m - 106.2m) fracture controlled hematite and K-spar alteration pronounced								
		- mafic tuff at 97.5-97.7m								
		- intermediate tuff at 100.7-101.6m								
		- feldspar porphyry dyke at 104.25-105.0 m, contacts at 70° to core axis								
		- sporadic chlorite-epidote veins at 150.0-150.2m								
		- at the base of this section bedding is oriented at 80° to core axis								

GETTY MINES, LIMITED

Hole Number DL-83-46

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
106.2	111.2	INTERBEDDED FELSIC TUFF and GARNETIFEROUS INTERMEDIATE TUFF	3628	107.3	107.55	0.25	<2	81	150	0.5
			3629	110.2	110.45	0.25	<2	27	200	1.0
		- intermixed light green well foliated blue quartz eye bearing felsic tuff and dark green to black well banded garnetiferous blue quartz eye bearing intermediate tuff								
		- bedding and foliation at 80° to core axis								
		- contains 1% py								
		- intermediate tuff contains abundant magnetite and is very magnetic								
		- average 10-15% reddish garnets approx 1-2mm in diameter								
111.2	124.7	INTERMEDIATE TO FELSIC VOLCANIC ROCK	3630	113.2	113.45	0.25	7	42	130	1.0
			3631	116.0	116.25	0.25	5	63	120	0.5
		- black - green weak to coarse grained quartz and feldspar porphyritic intermediate to felsic tuff (?) or flow (?)	3632	119.0	119.25	0.25	4	32	130	0.5
			3633	121.9	122.15	0.25	<2	22	90	0.5
		- contains 10-15% greenish chlorite weakly foliated at 80° to core axis								
		- 1-2% pyrite mostly fracture controlled								
		- contains 1% scattered garnet throughout								
		- porphyroblasts up to 3mm in size								
		- weakly magnetic								
		- hard								
		- infrequent quartz ± chlorite ± py veinlets throughout core								
		- rock becomes slightly more banded towards the base of the hole								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
124.7	143.2	QTZ-FELDSPAR PORPHYRY SILL	3634	124.9	125.15	0.25	<2	32	72	0.5
			3635	127.65	127.90	0.25	<2	21	82	0.5
			3636	130.8	131.05	0.25	<2	54	84	0.5
		- dark green to grey, coarse grained, quartz - feldspar	3637	133.8	134.05	0.25	<2	14	80	0.5
		porphyry sill	3638	136.7	136.95	0.25	<2	35	86	1.0
		- upper contact conformable at 80° to c.axis	3639	139.65	139.90	0.25	<2	24	79	0.5
		- 124.7-125.2 m fine grained contact	3640	142.5	142.75	0.25	<2	8.5	110	0.5
		- contains 50% 3mm size porphyroblasts of								
		anhedral white feldspar and clear to slightly								
		bluish qtz - feldspar : qtz (4:1)								
		- 2% disseminated pyrite								
		- weakly magnetic								
		- fine grained siliceous matrix contains 20%								
		green chlorite								
		- non foliated								
		- lower contact at 20° to core axis								
		which leads to small sections of the rock								
		occurring sporadically in the next 1.5 m.								
143.2	155.2	STRIPED FELSIC ROCK	3641	145.45	145.7	0.25	4	120	180	1.0
			3642	148.3	148.55	0.25	2	29	84	0.5
		- alteration banding in a felsic to intermediate	3643	151.3	151.55	0.25	<2	44	140	0.5
		tuff produces an alternation of dark grey	3644	154.2	154.45	0.25	<2	38	66	0.5
		siliceous bands and light green presumably								
		more sericitic sections								
		- the development here is not as [illegible] as								
		in previous holes ie. DL-83-22, 29 etc								
		- contains 2-3% pyrite - fracture controlled and diss.								
		- white qtz veinlets occur throughout								
		- 2% [illegible] garnet scattered throughout, usually								
		approx 2mm in diameter								
		- weak to moderately magnetic in sections where the								
		alteration banding is best pronounced								
		- approx 50% striped and 50% unstriped								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
155.2	165.9	INTERMEDIATE TO FELSIC TUFF	3645	157.75	157.5	0.25	<2	6.5	79	<0.5
			3646	160.1	160.35	0.25	<2	5	16	1.5
		- light to medium green, medium grained, intermediate to felsic tuff	3647	163.15	163.4	0.25	<2	4	8	1.0
		- contains approx 10% fine (1-2mm size) reddish garnets scattered throughout								
		- contains 30% (1-2mm size) quart + feldspar crystals set in a fine grained sericitic matrix								
		- 1-2% fine disseminated pyrite								
		- weakly magnetic								
		- not as hard as previous section								
		- white quartz vein at 165.7-165.9m								
		- well foliated at 80° to core axis								
		- scattered biotite chlorite flakes in core								
165.9	168.6	FELDSPAR PORPHYRY	3648	166.1	166.35	0.25	<2	20	75	1.0
		- coarse grained, bluish grey feldspar porphyry flow(?) sill (?)								
		- contacts conform to stratigraphy at 70° to c.a								
		- poor foliation (chloritic) at 80° to c.a								
		- large anhedral to subhedral feldspar porphyroblasts up to 1cm in size (ave. 3mm) display incipient saussuritization								
		- non magnetic								
		- no sulphides								
		- matrix fine grained siliceous								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Au(ppm)	Zn(ppm)	Ag(ppm)
168.6	171.6	INTERMEDIATE TO FELSIC TUFF								
			3649	169.05	169.3	0.25	<2	5	31	<0.5
		- see previous description @ 155.2-165.9 m								
		- foliation @ 80° to core axis								
		- quartz veins at both contacts								
		- 5-10% garnet								
		- less than 1% py								
		- weakly magnetic								
171.6	176.7	FELDSPAR PORPHYRY	3650	172.0	172.25	0.25	5	29	71	0.5
			3651	174.95	175.2	0.25	3	81	62	0.5
		- as previously described at 165.9-168.6m								
		- a short section of interm to felsic tuff at 174.8-175.8m containing 1-2% pyrite								
		- contacts conformable to stratigraphy & flow? foliation?								
		- chlorite-epidote veinlets occur								
176.7	195.8	GARNETIFEROUS INTERMEDIATE TO FELSIC TUFF	3652	177.9	178.15	0.25	5	23	9	0.5
			3653	180.8	181.05	0.25	<2	8	7	<0.5
		- medium grained intermediate to felsic tuff as before at 155.2-165.9, 162.6-171.6 m but contains 30% (1-2mm) reddish brown garnet particularly abundant in upper portion down to 185.2m where overall composition is more intermediate than the lower more felsic portion	3654	183.7	183.95	0.25	<2	15	29	1.0
			3655	186.75	187.0	0.25	2	85	54	0.5
			3656	189.7	189.95	0.25	<2	11	30	<0.5
			3657	192.6	192.85	0.25	<2	12	49	<0.5
			3658	195.6	195.85	0.25	<2	6	93	<0.5
		- foliation excellent at 80° to core axis								
		- contains 1-2% py								
		- contains quartz eyes and the garnet grains resemble those in some instances								
		- feldspar porphyry at 187.9 - 189.1 m								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		FELSIC TUFF					
195.8	198.1						
		- light green, very hard, siliceous, fine grained felsic tuff					
		- minor chlorite banding at 80° to core axis					
		- 1-2% py					
		- intermediate tuff at 196.6 - 196.8m					
		- non magnetic					
		- very uniform					
		E.O.H. 198.1 m.					
		- 99% core recovery					
		- conductor definitely tested					
		- stratigraphy very similar to DL-83-29					

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

Property. DETOUR LAKE J.V.
Location. 144 KM. NE. of Cochrane, Ontario

Grid. C-14
Latitude. 2.2+00E
Departure. 8.2.0+00

Core Size. BQ
Elev. Collar.
Bearing. 360°
Dip. -55°
Length. 191.1
Horiz. Trace. 126m
Vert. Trace. 143m

Starting Date. DECEMBER 11, 1983
Completion Date. DECEMBER 14, 1983

Date Logged. DECEMBER 14-16, 1983
Logged by. D.G. RUDDERHAM

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-55°
39.6m	-61°	-52.5°
191.1m	-54°	-45°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
0	36.9	OVERBURDEN								
36.9	40.5	MAFIC TUFF	D03659	36.9	37.15	0.25	<2	340	31	1.0
		- grey-green, hard, weakly magnetic, medium-grained	60	39.7	39.95	0.25	<2	24	34	0.5
		- there are some coarse mafic blebs, up to 3mm in width.								
		- 1% po + py, not evenly distributed but rather occurs in fractures or blebs.								
		- chlorite and carbonate abundant along fracture surfaces. Carbonate also present in blebs or clasts.								
		- brecciation noted, as at 37.0, although this is not pervasive								
		- rounded clasts, 1-2mm to 1cm in width, occur locally. These make up <5% of the unit.								
		- there is some primary layering, oriented 60° to CA.								
		- gradational lower contact								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
40.5	44.7	EPICLASTIC METASEDIMENTARY ROCK	D03661	42.6	42.85	0.25	2	100	41	0.5
		- grey with brown bands, medium-grained, medium hardness, weakly magnetic.								
		- well-bedded; bedding oriented 60° to CA. The beds are 1-2 mm to 1-2 cm in width.								
		- biotite bands present.								
		- there is some clastic material, as at 42.6, making up only 1-2% of the entire unit. Clasts are rounded and range in size from 1-2 mm to 2 cm.								
		- 1-2% po + py								
		- Upper and lower contacts are gradational								
44.7	70.6	MAFIC TUFF	D03662	45.7	45.95	0.25	<2	120	34	0.5
		- as at 36.9 - 40.5, except this unit has a greater clastic component (5-7%).	63	46.5	46.75	0.25	<2	38	29	0.5
			64	51.4	51.65	0.25	3	350	91	1.0
		- this unit also displays a greater degree of carbonatization. Some sections, as at 47.3, have carbonate blebs (clasts?) developed, ranging in size from 1 mm to 2 cm.	65	54.4	54.65	0.25	2	180	35	0.5
			66	57.2	57.45	0.25	<2	110	52	0.5
			67	59.2	59.55	0.25	9	140	160	1.0
			68	60.1	60.35	0.25	<2		69	0.5
			69	63.1	63.35	0.25	<2	110	22	0.5
		- this unit becomes more clastic downhole, to a point around 59.8 where clasts are up to 3-4 cm wide and make up 30% of the rock. It is possible that this is a debris flow.	70	65.9	66.15	0.25	<2	140	24	0.5
			71	68.65	69.1	0.25	<2	40	56	0.5
		- gradational upper and lower contacts. 59.3': a 10 cm wide graphite / sulfide zone. It is weakly conductive.								
70.6	72.8	SILICIOUS SILTSTONE	D03672	71.7	71.95	0.25	<2	99	110	1.0
		- grey, hard, medium-grained, magnetic	73	72.3	72.8	0.50	<2	75	120	1.0
		- this unit has a gradational upper contact and a sharp lower contact, oriented 60-85° to CA								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- 10-15% disseminated py, 1-2% po.								
		- has some clastic material, as at 72.6								
72.8	85.4	CONDUCTIVE ZONE	003674	72.8	73.3	0.5	5	580	1700	0.5
		- graphitic, sulfide-bearing, metasedimentary rock	75	73.3	73.8	0.5	3	210	3100	1.0
		- black, fine-grained, magnetic, medium hardness	76	73.8	74.3	0.5	11	240	7300	1.0
		- good to very good conductor	77	74.3	74.8	0.5	22	190	2700	1.0
		- abundant quartz throughout, as irregular stringers.	78	74.8	75.3	0.5	7	110	1300	1.0
		- 10% po throughout, occurring as stringers and blebs up to 2cm wide. 2-3% py.	79	75.3	75.8	0.5	2	180	260	1.0
		- po blebs are rimmed by quartz.	80	75.8	76.3	0.5	<2	53	290	0.5
		- there is some brecciated or clastic material of the same composition as the host rock.	81	76.3	76.8	0.5	3	38	280	0.5
		- banded, with bands oriented 50° to CA.	82	76.8	77.3	0.5	3	32	210	<0.5
		- upper and lower contacts fairly sharp, at 50° to CA.	83	77.3	77.8	0.5	<2	45	140	0.5
		75.4, 78.4, 78.6, 78.8-79.0, 84.2-84.5: siliceous siltstone units, ranging in thickness from 1cm to 30cm. these beds are similar to those at 70.6-72.8.	84	77.8	78.3	0.5	<2	120	240	0.5
			85	78.3	78.8	0.5	<2	160	150	0.5
			86	78.8	79.3	0.5	<2	130	840	1.0
			87	79.3	79.8	0.5	<2	100	940	1.0
			88	79.8	80.3	0.5	<2	81	750	0.5
			89	80.3	80.8	0.5	4	120	480	1.0
			90	80.8	81.3	0.5	4	120	640	1.0
			91	81.3	81.8	0.5	7	150	1300	1.0
			92	81.8	82.3	0.5	7	150	1400	1.5
			93	82.3	82.8	0.5	16	150	1600	1.5
			94	82.8	83.3	0.5	6	130	770	1.0
			95	83.3	83.8	0.5	9	170	1300	1.0
			96	83.8	84.3	0.5	7	170	1400	1.5
			97	84.3	84.8	0.43	5	170	1000	1.5
			98	84.8	85.3	0.43	16	100	2800	1.0
85.4	93.1	SILICEOUS SILTSTONE								
		- as at 70.6-72.8, with 7-8% pyrite, 1-2% pyrrhotite.	003699	85.3	85.8	0.43	2	36	230	0.5
		- there is some clastic material, as at 89.5, but this makes up only 3-5% of the unit.	00	85.8	86.3	0.43	<2	34	740	0.5
		- bedding 50-60° to CA.	01	86.3	86.6	0.5	<2	52	1700	2.5
		- upper contact sharp at 50° to CA, lower contact gradational.	02	86.6	87.3	0.5	2	74	320	1.0
		88.1: 5cm of graphitic conductor, as at 72.8-83.1.	03	87.3	87.8	0.5	6	61	1100	1.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		88.5, 88.7, 87.3, 87.9 ; blocky core.	003704	87.8	88.3	0.5	<2	69	2100	1.5
			05	88.3	88.8	0.5	11	98	200	1.0
93.1	139.3	MAFIC VOLCANIC ROCK	06	88.8	89.3	0.5	18	100	220	1.0
		- grey-green, hard, medium-grained, locally weakly magnetic.	07	89.3	89.8	0.5	7	150	120	1.0
		- 1-2% pc + py.	08	89.8	90.3	0.5	4	150	95	1.0
		- partially silicified in places, as at 96.7.	09	90.3	90.8	0.5	7	100	170	0.5
		- quartz stringers randomly oriented throughout	10	90.8	91.3	0.5	2	160	120	1.0
		- some clastic material, as at 96.5, although this is not pervasive.	11	91.3	91.8	0.5	<2	240	110	1.0
			12	91.8	92.3	0.5	<2	130	100	0.5
			13	92.3	92.8	0.5	<2	82	54	0.5
		- upper and lower contacts gradational.	14	92.8	93.3	0.5	<2	120	26	0.5
		- the unit becomes more siliceous down-hole	003715	94.5	94.75	0.25	2	100	42	0.5
			16	97.3	97.55	0.25	6	100	65	0.5
		104.4 ; 5 cm wide quartz vein, with 1-2% py + po.	17	100.3	100.55	0.25	2	230	28	0.5
			18	103.1	103.35	0.25	<2	150	58	0.5
		109.7 - 110.0 ; coarser-grained.	19	104.25	104.50	0.25	4	190	43	0.5
		117.2 - 117.7 ; more quartz-rich zone, with 5-6% po, 1% py.	20	106.1	106.35	0.25	<2	150	30	0.5
			21	109.0	109.25	0.25	2	120	27	0.5
		118.5 ; clastic material over a 10 cm zone. Angular clasts of mafic composition.	22	112.0	112.25	0.25	6	56	33	0.5
			23	114.95	115.20	0.25	5	110	53	0.5
		121.0 ; the unit becomes alternately fine-grained and medium-grained (coarser amphibole grains developed in the medium-grained sections).	24	117.2	117.7	0.5	8	870	39	1.0
			25	117.9	117.15	0.25	3	120	42	0.5
			26	120.75	121.0	0.25	<2	36	28	0.5
			27	123.80	124.05	0.25	21	850	35	1.5
		122.9 - 123.1 ; quartz-rich zone.	28	126.7	126.95	0.25	5	89	32	0.5
		127.0 ; 5 cm of clastic material, angular, felsic to mafic clasts.	29	129.7	129.95	0.25	18	140	35	0.5
			30	132.7	132.95	0.25	<2	100	45	0.5
		129.2 - 129.4 ; clastic material - angular, mafic clasts.	31	135.4	135.65	0.25	<2	140	47	0.5
			32	138.2	138.7	0.5	11	120	270	1.0
		130.5 - 130.6 ; quartz	33	138.7	131.2	0.5	<2	75	86	0.5
		136.6 ; the unit becomes more magnetic and sulfide concentration increases to 3-4% po, 1% py.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		137.3-138.3 ; aluminosilicate-rich, epiclastic, metasedimentary unit with clastic material								
		138.4-138.5 ; narrow argillaceous, sulfide-bearing unit, with 25% py, 1-2% po.								
139.3	140.2	CONDUCTIVE ZONE	D03734	139.2	139.7	0.5	18	61	180	1.0
		- argillaceous, sulfide-bearing metased-iments with minor graphite and 15% po, 4-5% py	35	139.7	140.2	0.5	24	110	260	0.5
		- bedding at 40°-50° to CA								
		- moderate conductor.								
		- there is 4-5% clastic material of mafic to intermediate composition.								
		- upper and lower contacts fairly sharp at 40° to CA.								
140.2	145.8	SILICIFIED EPICLASTIC METASEDIMENT	003736	140.2	140.7	0.5	2	70	100	1.0
		- hard, medium-grained, clastic in places, non-magnetic, light grey	37	140.7	141.2	0.5	2	51	140	1.0
		- rich in aluminosilicate in places, as at 141.6.	38	141.2	141.7	0.5	<2	29	77	0.5
		- bedding at 40° to CA.	39	141.7	142.2	0.5	3	26	55	<0.5
		- clasts are angular, and of intermediate to felsic composition.	40	142.2	142.7	0.5	<2	22	39	0.5
		- some areas have alternating chlorite-biotite bands, as at 141.7.	41	142.7	143.2	0.5	3	93	31	0.5
		- 1-2 % po + py.	42	143.2	143.7	0.5	<2	72	24	0.5
		- some areas are quite turbid, as at 143.3	43	143.7	144.2	0.5	<2	110	21	0.5
		- upper and lower contacts are sharp at 40° to CA.	44	144.2	144.7	0.5	<2	120	52	0.5
		142.1-142.4 ; mafic volcanic flow.	45	144.7	145.2	0.5	<2	8.5	21	0.5
			46	145.2	145.7	0.5	<2	7	30	0.5

GETTY MINES, LIMITED

Hole Number DL-83-49

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
145.8	152.6	SILICIFIED MAFIC VOLCANIC ROCK	D03747	145.7	146.2	0.5	<2	9	29	<0.5
		- hard, medium-grained, non-magnetic, light-grey to grey-green.	48	146.2	146.7	0.5	6	15	12	<0.5
		- randomly oriented quartz stringers throughout.	49	147.0	147.25	0.25	<2	94	36	0.5
		- chlorite-rich	50	147.8	148.3	0.5	<2	110	21	0.5
		- 1% po + py.	51	149.9	150.15	0.25	<2	75	33	0.5
		151.4-151.7: silicified epiclastic metasedimentary unit, as at 146.2-145.8.								
152.6	162.9	MAFIC VOLCANIC ROCK	D03752	152.8	153.05	0.25	5	170	32	<0.5
		- medium-grained, medium hardness, non-magnetic, massive, grey-green.	53	155.7	155.95	0.25	5	140	34	<0.5
		- this unit is similar to 145.8-152.6 except it is not silicified and is more massive.	54	158.7	158.95	0.25	3	110	30	<0.5
			55	161.5	161.75	0.25	5	170	21	<0.5
162.9	164.6	AMPHIBOLITE								
		- medium hardness, grey-green, non-magnetic, medium-grained.								
		- well-developed amphiboles make up 25% of the rock, the remainder is plagioclase, pyroxene, chlorite, and some quartz.								
		- randomly oriented quartz stringers throughout								
		- <1% po + py								
		- upper and lower contacts are gradational.								
164.6	191.1	MAFIC VOLCANIC ROCK.	D03756	164.5	164.75	0.25	2	120	36	<0.5
		- as at 152.6-162.9	57	167.3	167.55	0.25	<2	320	35	0.5
		- there is a small amount (3%) of K-feldspar developed, as at 166.3.	58	170.3	170.55	0.25	3	110	19	<0.5
		- 3-5% disseminated/stringer pyrite, as at 167.6	59	171.75	172.0	0.25	<2	52	24	0.5
		- some zones, as at 170.3, show well-developed amphibole.	60	173.0	173.25	0.25	3	170	69	<0.5
		- some carbonate along fracture surfaces.	61	176.0	176.25	0.25	5	120	35	<0.5
			62	177.3	177.55	0.25	<2	17	37	<0.5
			63	179.0	179.25	0.25	<2	150	22	<0.5

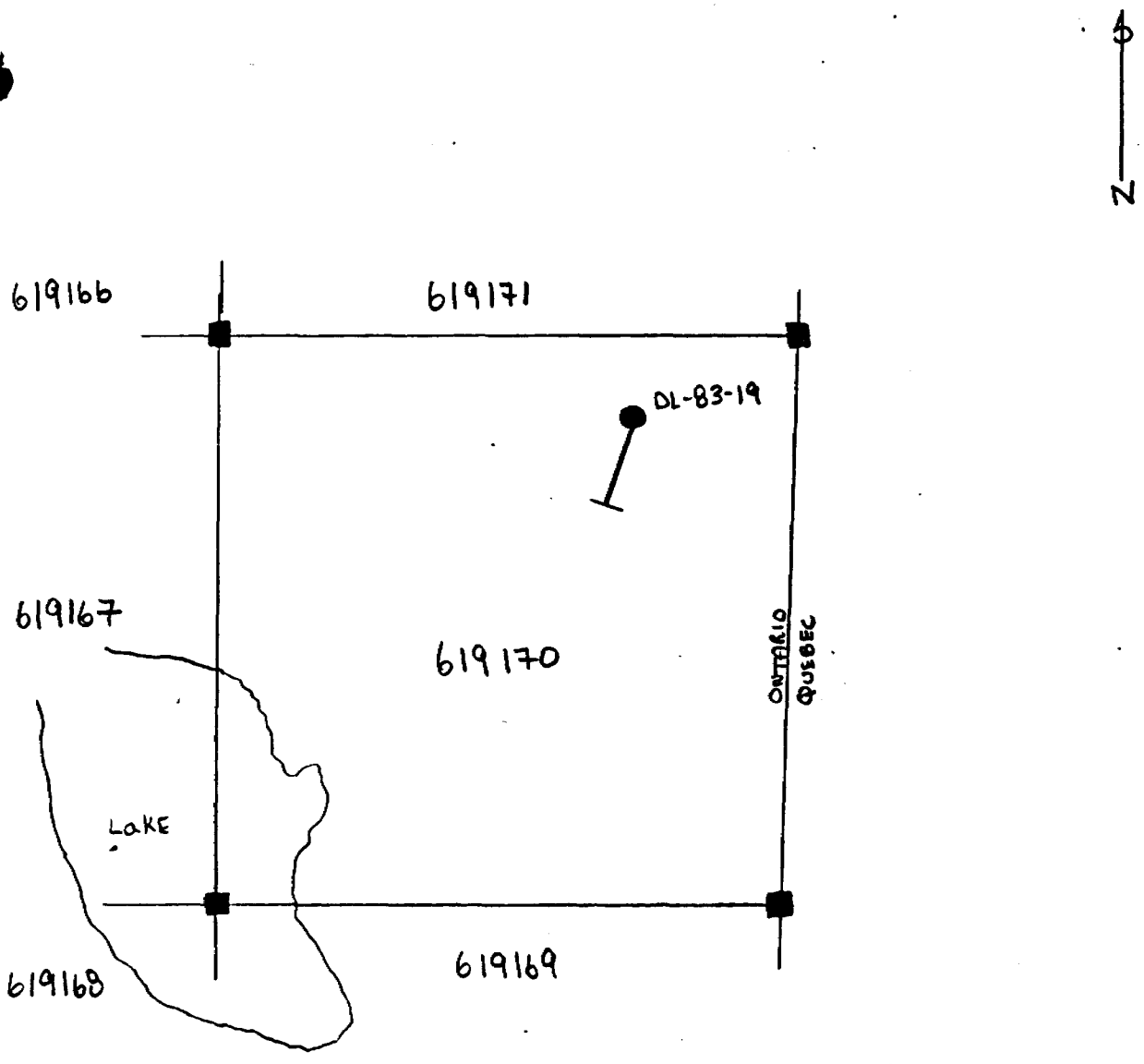
GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		166.3 - 166.4 ; this may be a narrow epiclastic metasedimentary unit, as at 140.2 - 145.8, with bedding oriented 35° - 40° to CA.	003764	181.8	182.05	0.25	<2	130	23	16.5
			65	184.65	184.9	0.25	2	97	18	0.5
			66	187.5	187.75	0.25	3	110	17	40.5
		171.8 - 171.9 ; quartz vein with brecciation along the margins	67	190.45	190.7	0.25	<2	51	22	40.5
		174.0 - 174.5 ; siliceous zone with coarse chlorite blebs.								
		175.5 ; from this point to the bottom of the hole amphiboles are well - developed. This could be termed 'amphibolitized' mafic volcanic rock.								
		177.3 - 177.4 ; quartz vein with contacts at 40° to CA.								
		191.1 E.O.H.								

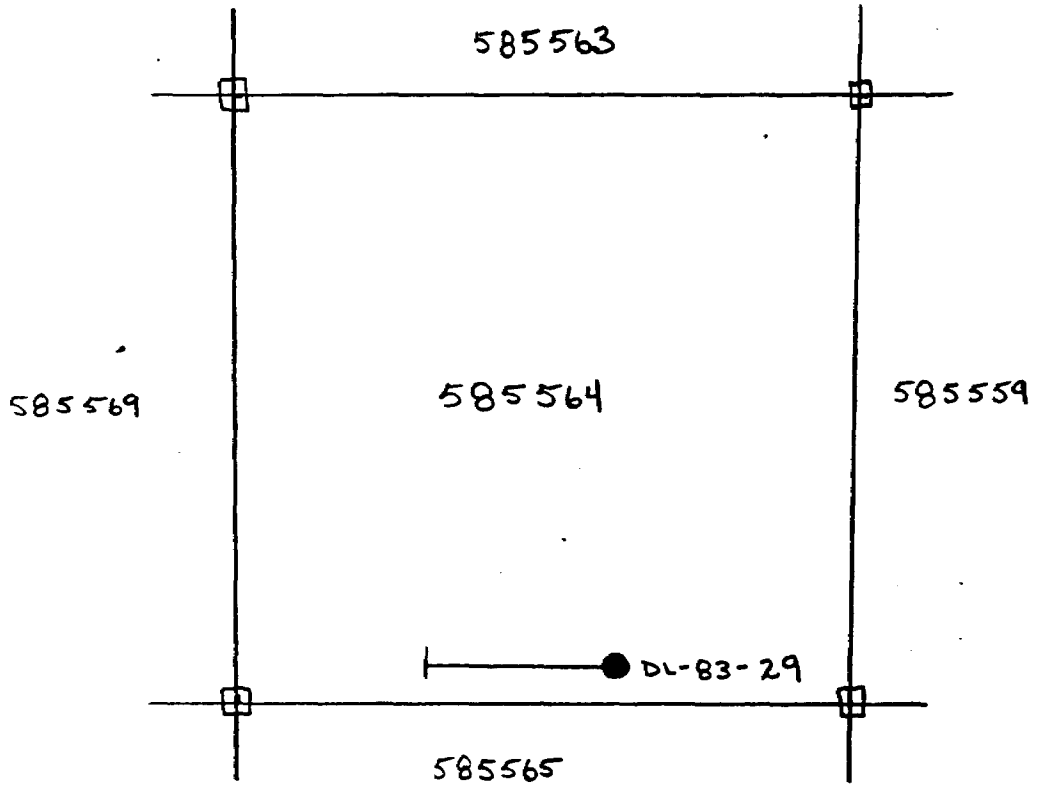
APPENDIX C



LOCATION MAP
DL-83-19

DRAWN BY:	DATE:
CHECK'D BY:	DRAW'G No:
N.T.S.	SCALE:

Getty Canadian Metals, Ltd.



0 300
METRES

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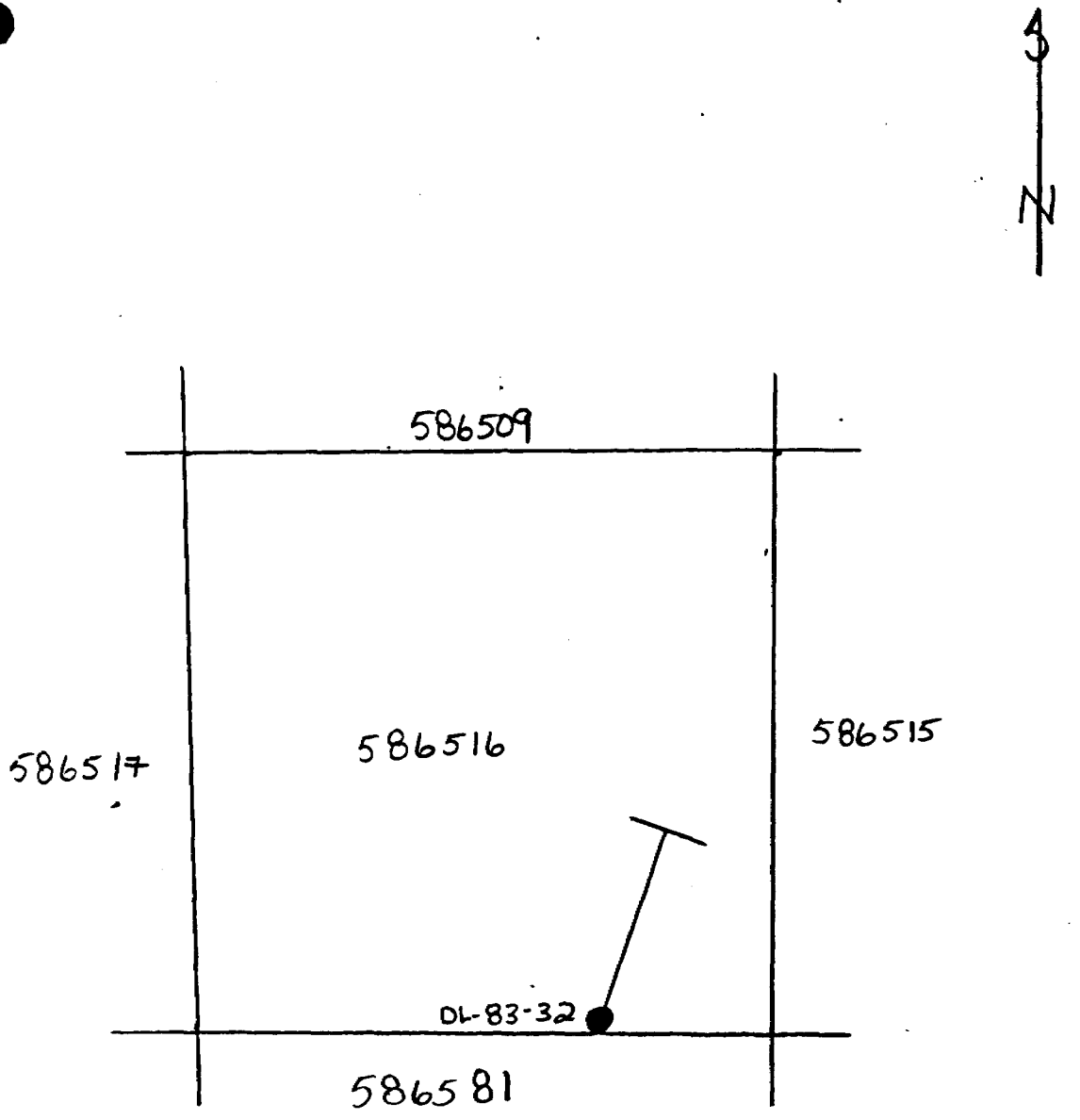
Getty Canadian Metals, Ltd.



0 300
METRES

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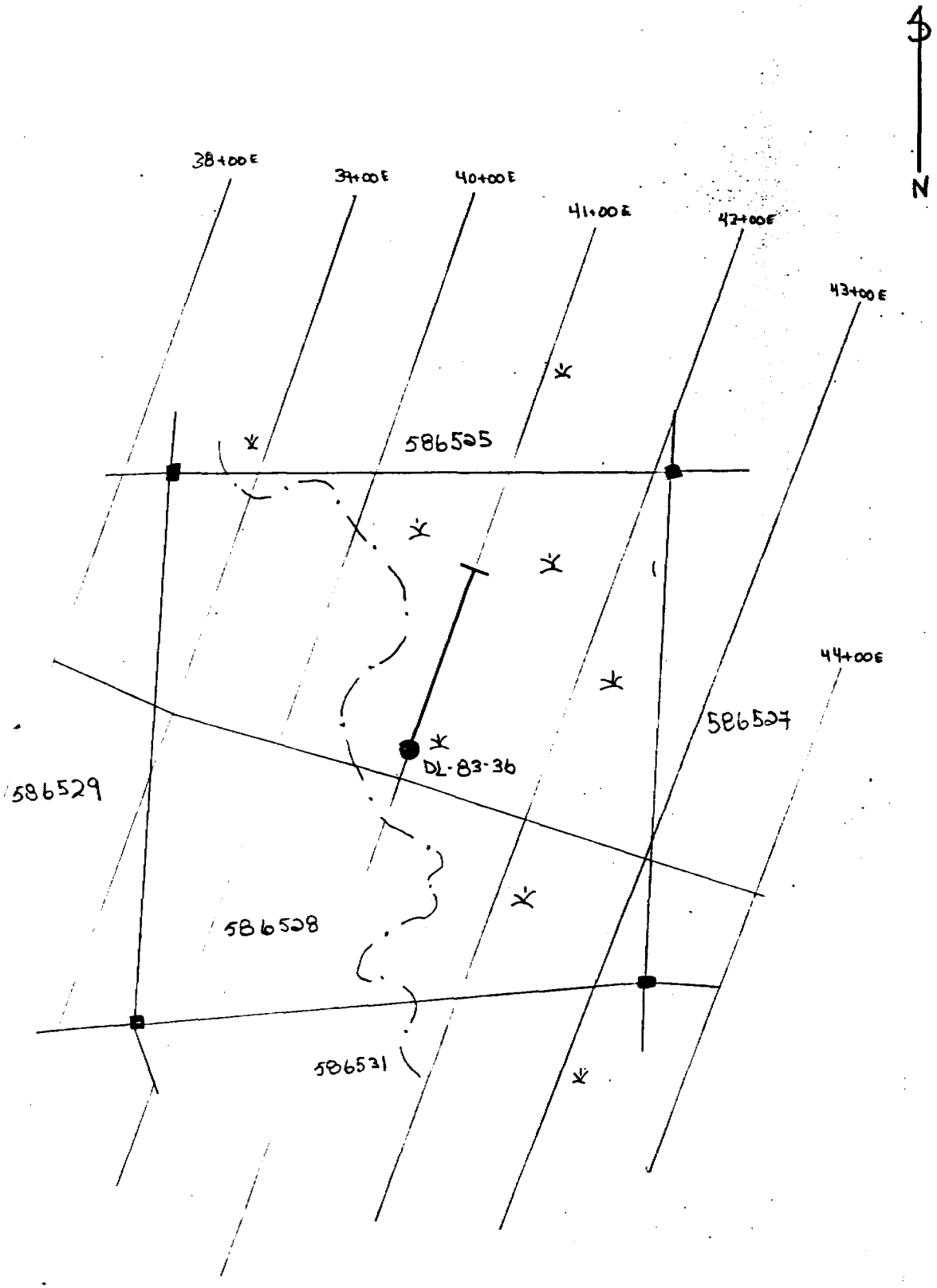
Getty Canadian Metals, Ltd.



LEGEND

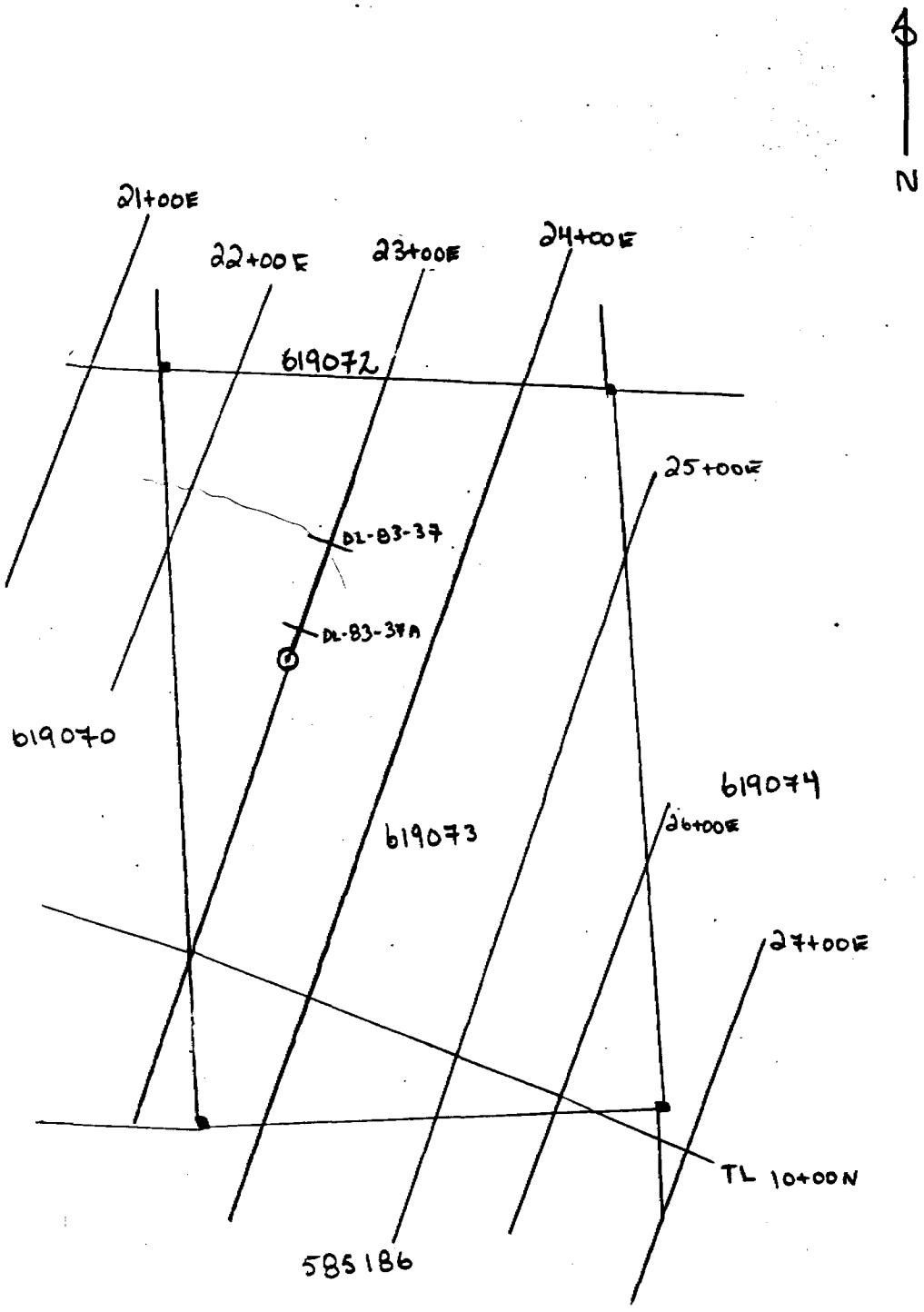
- SWAMP BOUNDARY
- SWAMP
- CLAIM POST
- DDH

0 300

metres

DRAWN BY:	DATE:
CHECK'D BY:	DRAW'G No:
N.T.S.	SCALE:

Getty Canadian Metals, Ltd.



0 300

metres

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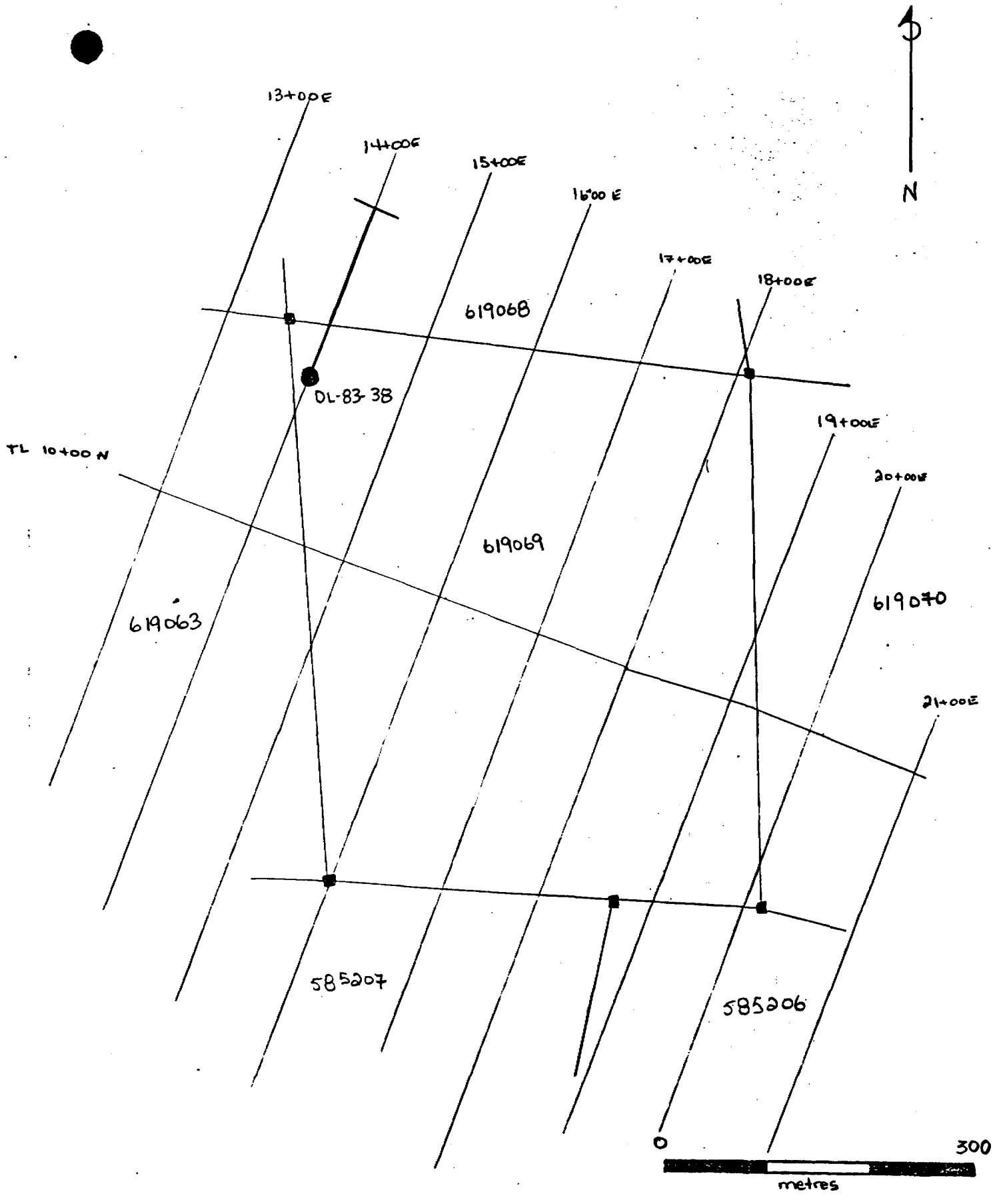
Getty Canadian Metals, Ltd.



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CHECK'D BY:	DRAW'G No:
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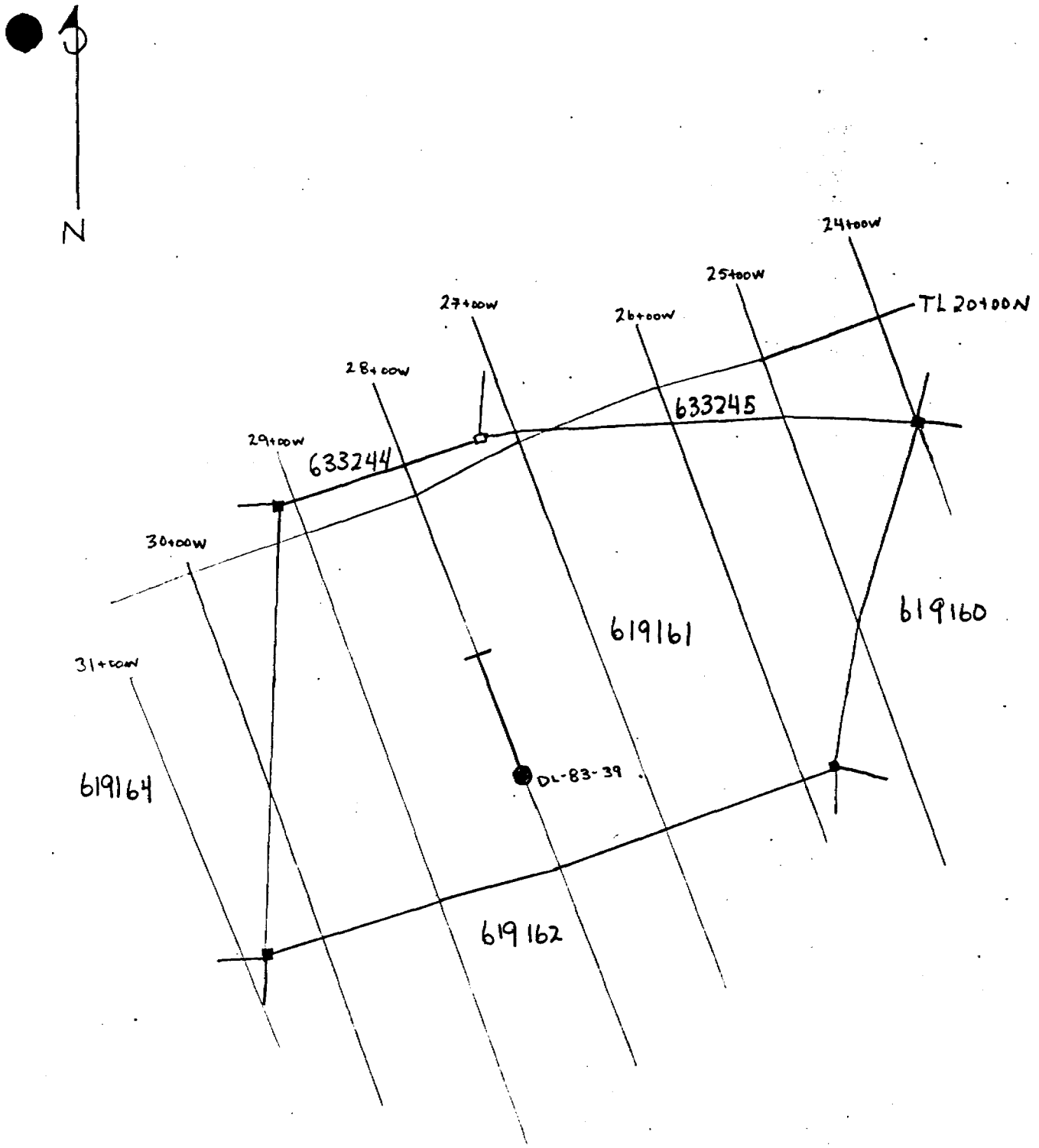
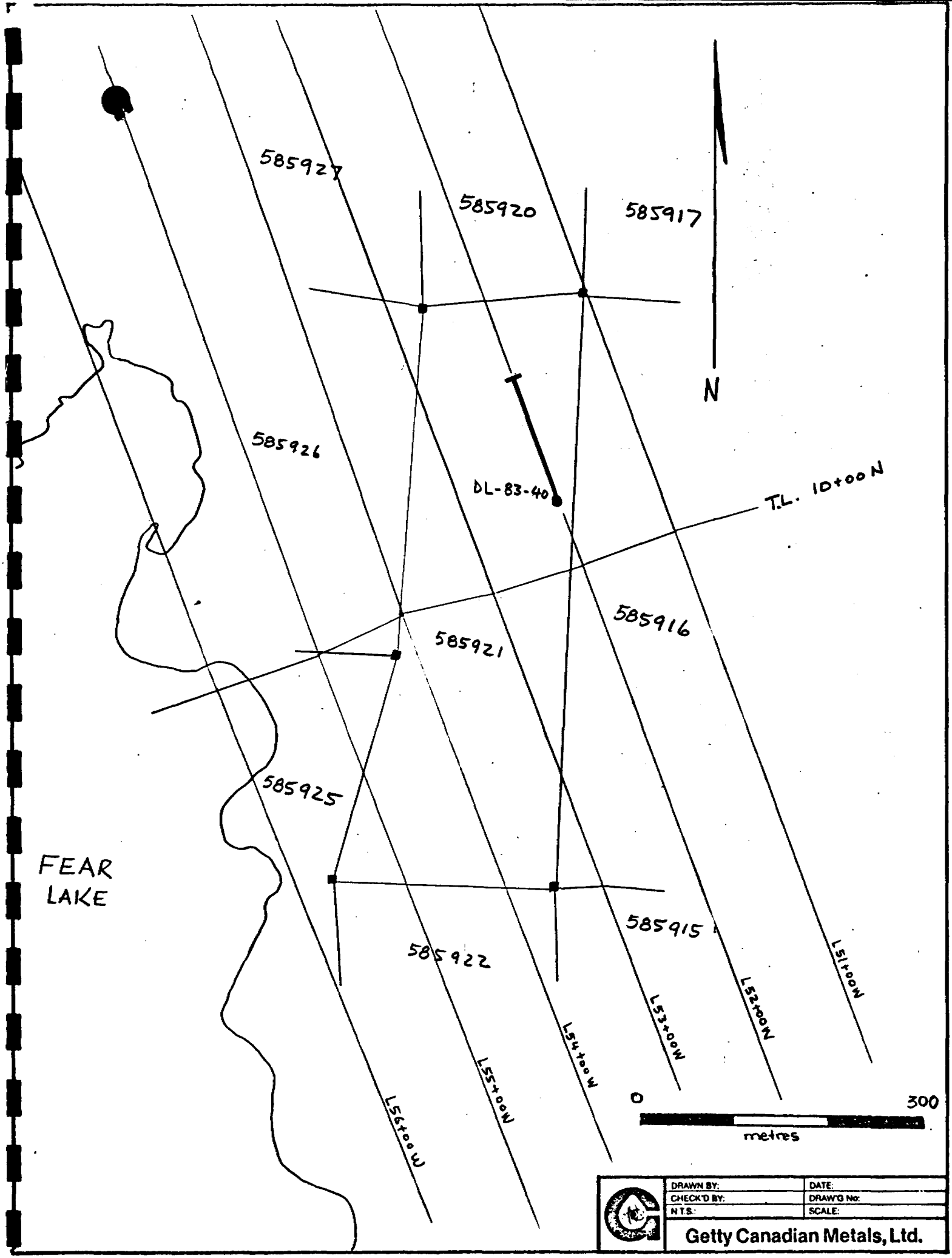


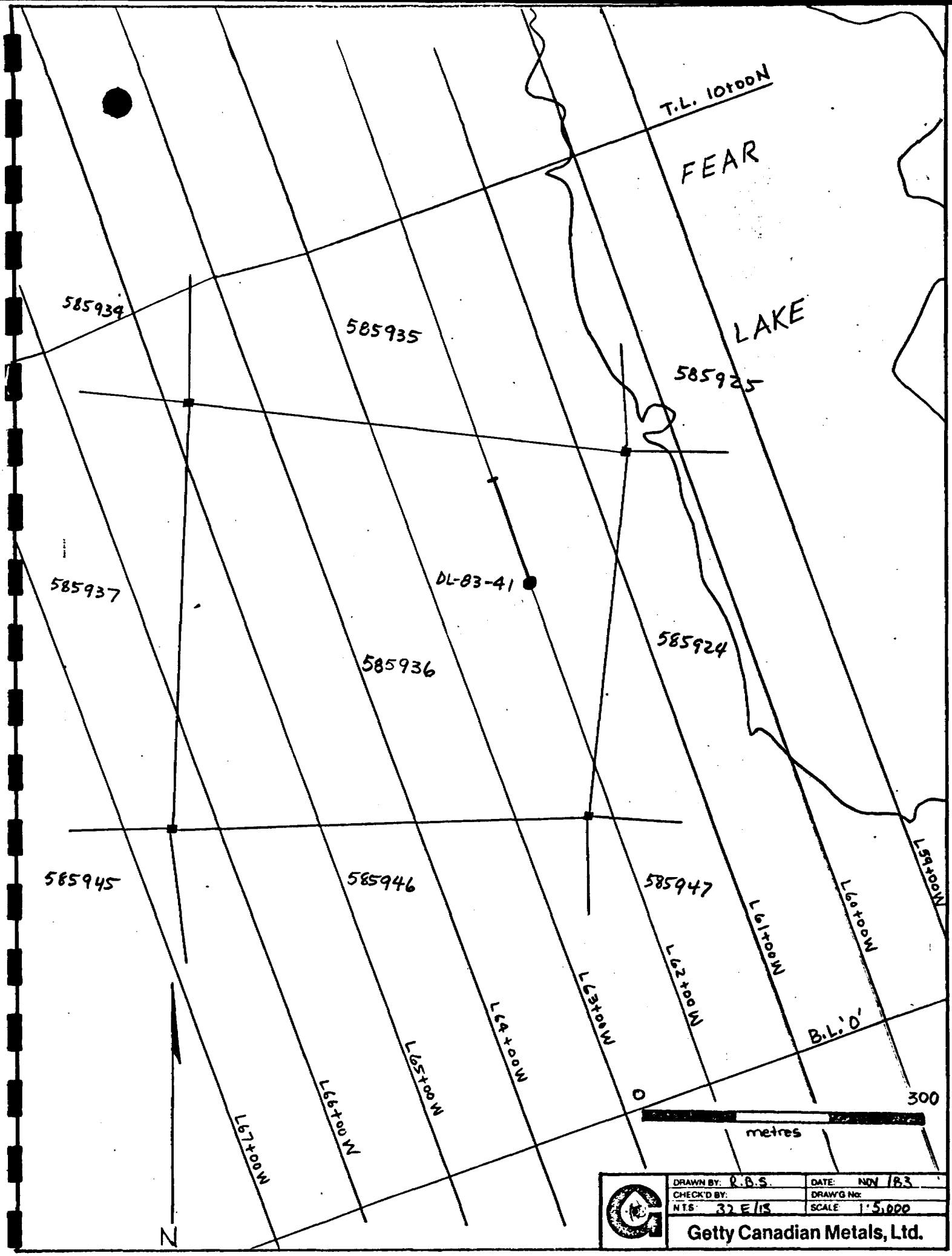
0 300

metres

DRAWN BY:	DATE:
CHECK'D BY:	DRAW'G No:
NTS	SCALE:

Getty Canadian Metals, Ltd.


585927
585920
585917
N
585926
DL-83-40
T.L. 10+00 N
585916
585921
585925
FEAR
LAKE
585915
585922
L51+00W
L52+00W
L53+00W
L54+00W
L55+00W
L56+00W
0
300
metres
DRAWN BY:
DATE:
CHECK'D BY:
DRAW'G No:
N.T.S.:
SCALE:
Getty Canadian Metals, Ltd.


T.L. 10+00N
FEAR
LAKE
585939
585935
585925
585937
DL-83-41
585936
585924
585945
585946
585947
L59+00W
L60+00W
L61+00W
L62+00W
L63+00W
L64+00W
L65+00W
L66+00W
L67+00W
B.L. 0+
0
300
metres
N
DRAWN BY: R.B.S.
DATE: NOV 83
CHECK'D BY:
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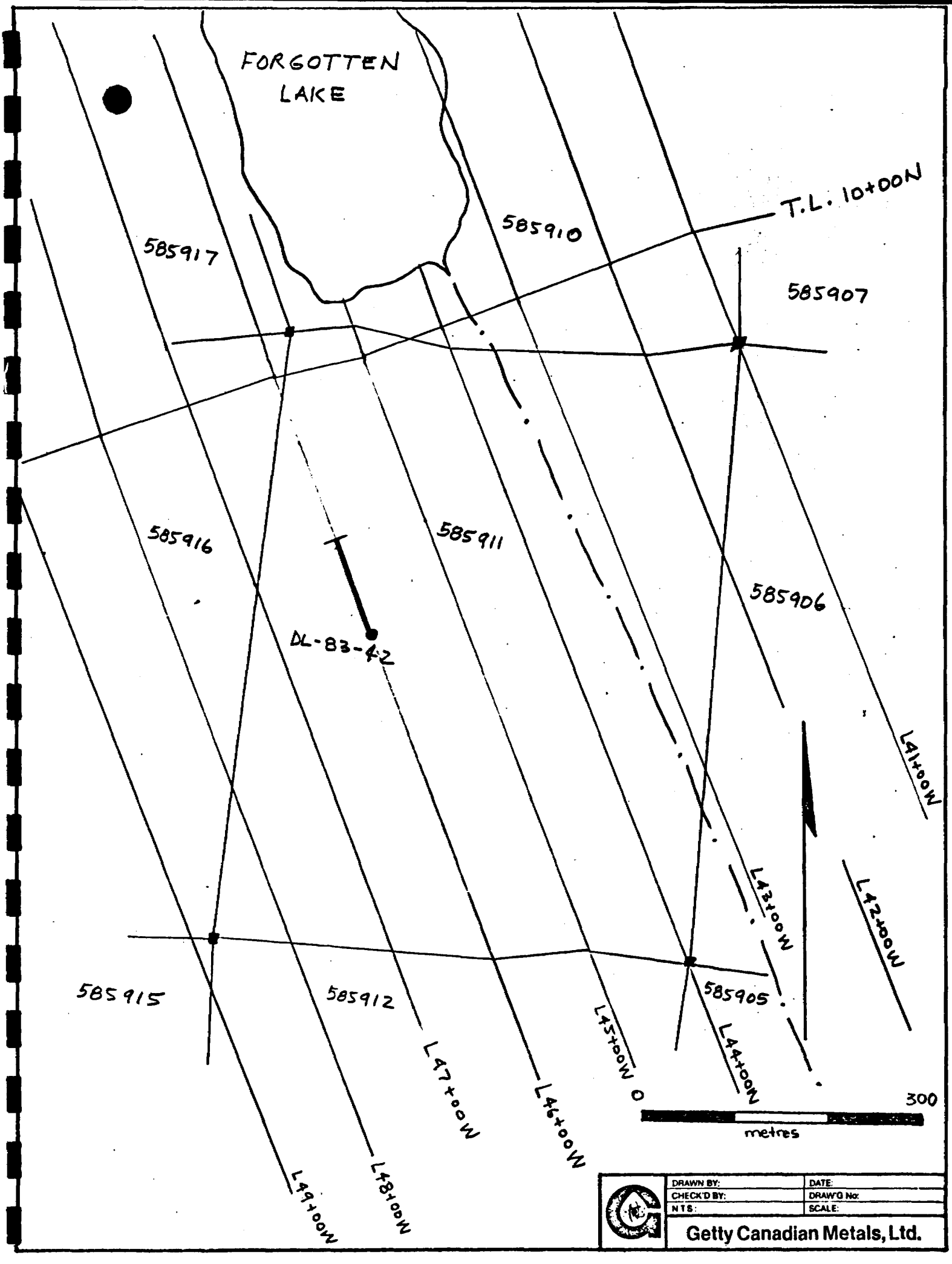
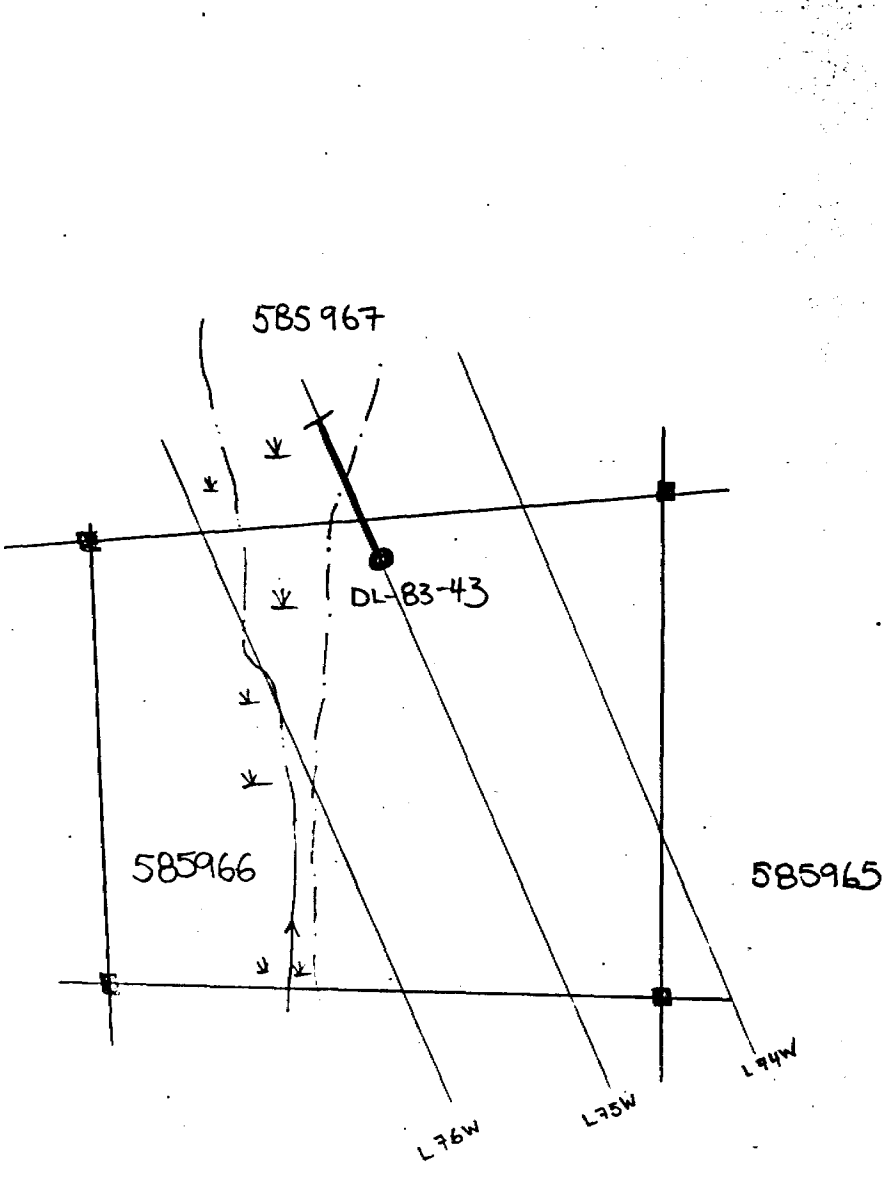
SCALE 1:5,000
Getty Canadian Metals, Ltd.


FORGOTTEN
LAKE
T.L. 10+00N
585917
585910
585907
585916
585911
585906
DL-83-42
585915
585912
585905
L41+00W
L42+00W
L43+00W
L44+00N
L45+00W
L46+00W
L47+00W
L48+00W
L49+00W
0
300
metres
DRAWN BY:
DATE:
CHECK'D BY:
DRAW'G No:
NTS:
SCALE:
Getty Canadian Metals, Ltd.



0 300

metres

DRAWN BY: K.S.		DATE: NOV 85	
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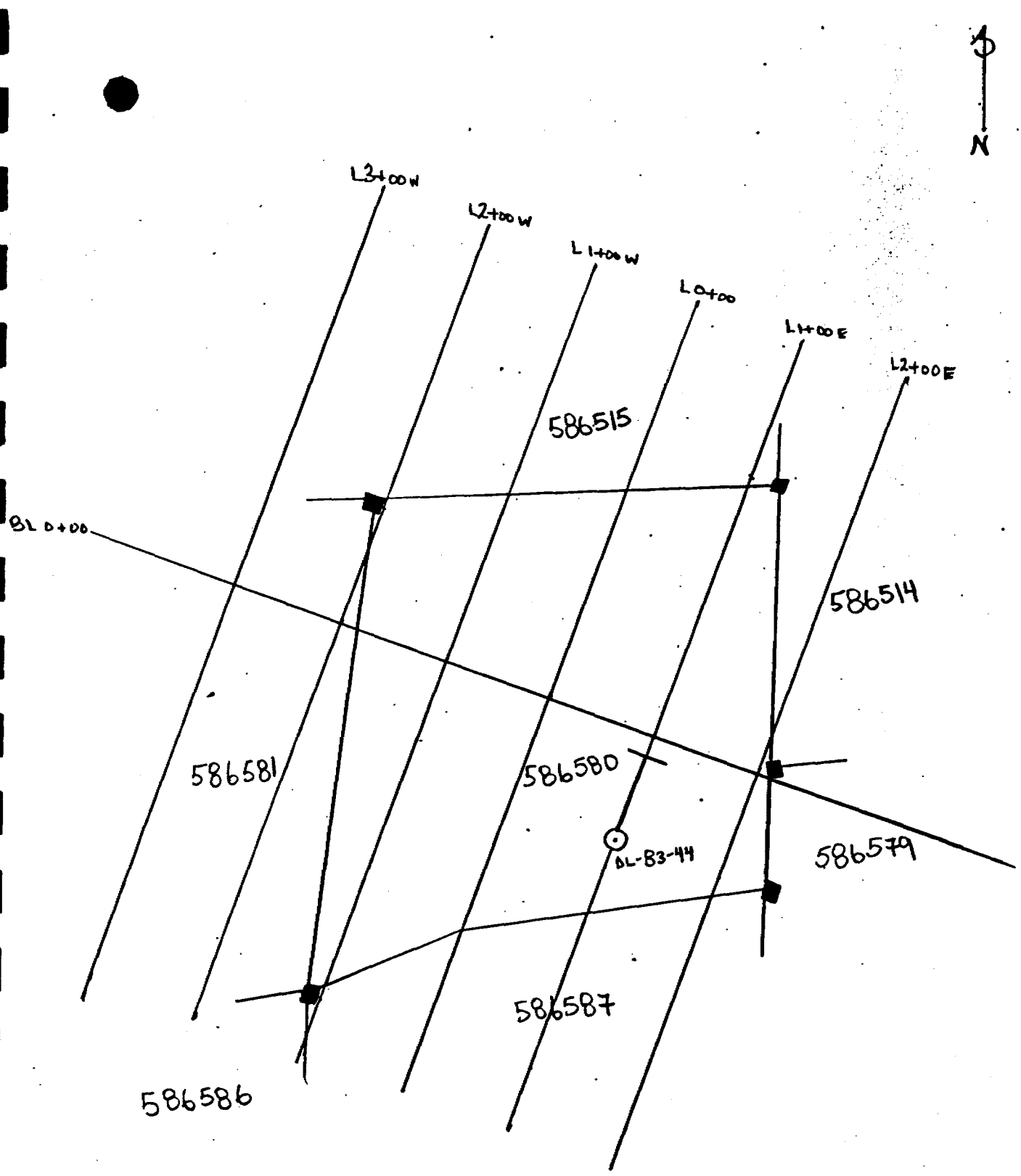


LOCATION MAP

D.D.H. DL-83-44

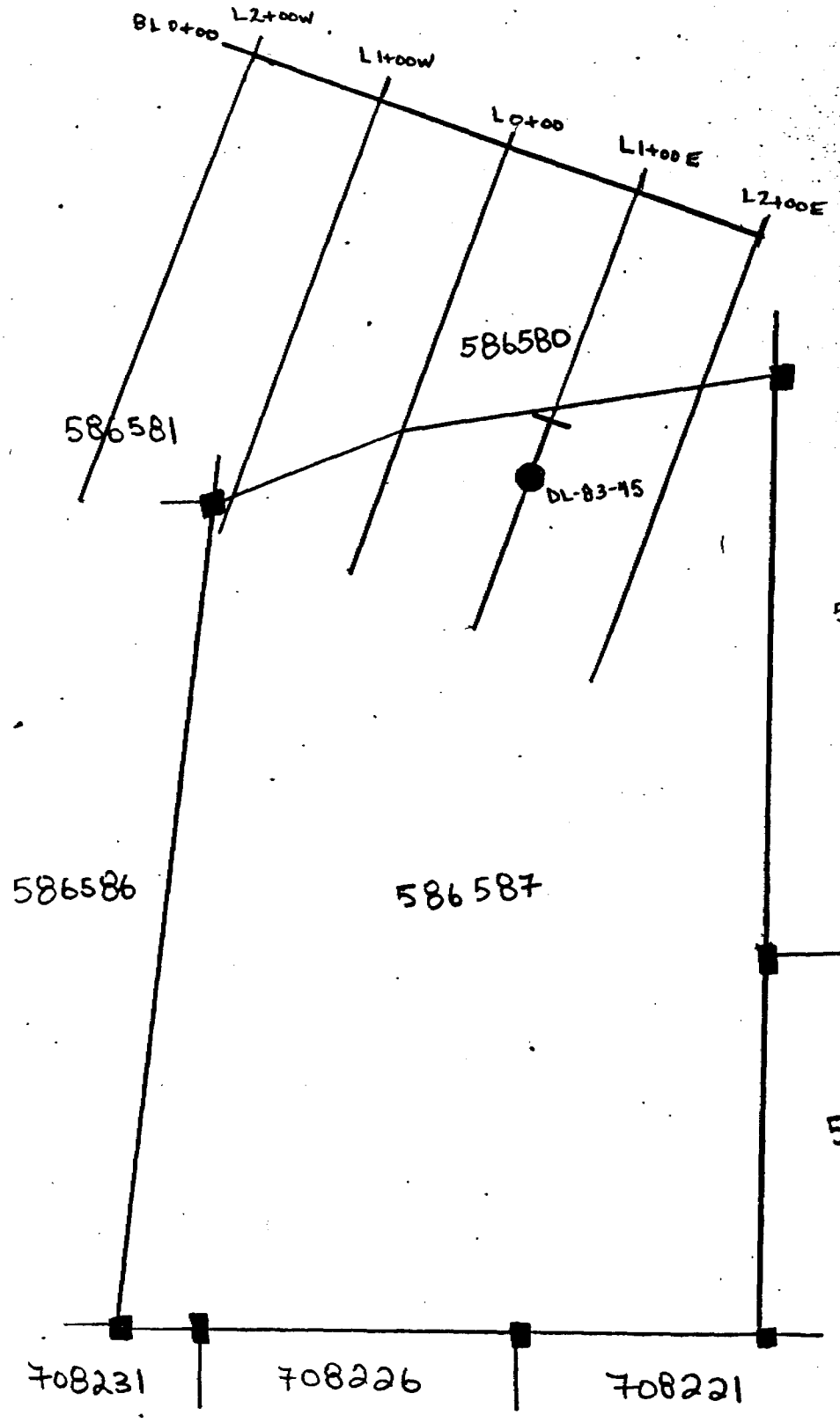
0 300

METRES

1:5,000

DRAWN BY:	DATE:
CHECKED BY:	DRAWG No:
N.T.S.	SCALE

Getty Canadian Metals, Ltd.



0 300

METRES

1 : 5,000

LOCATION MAP

D.D.H. DL-83-45

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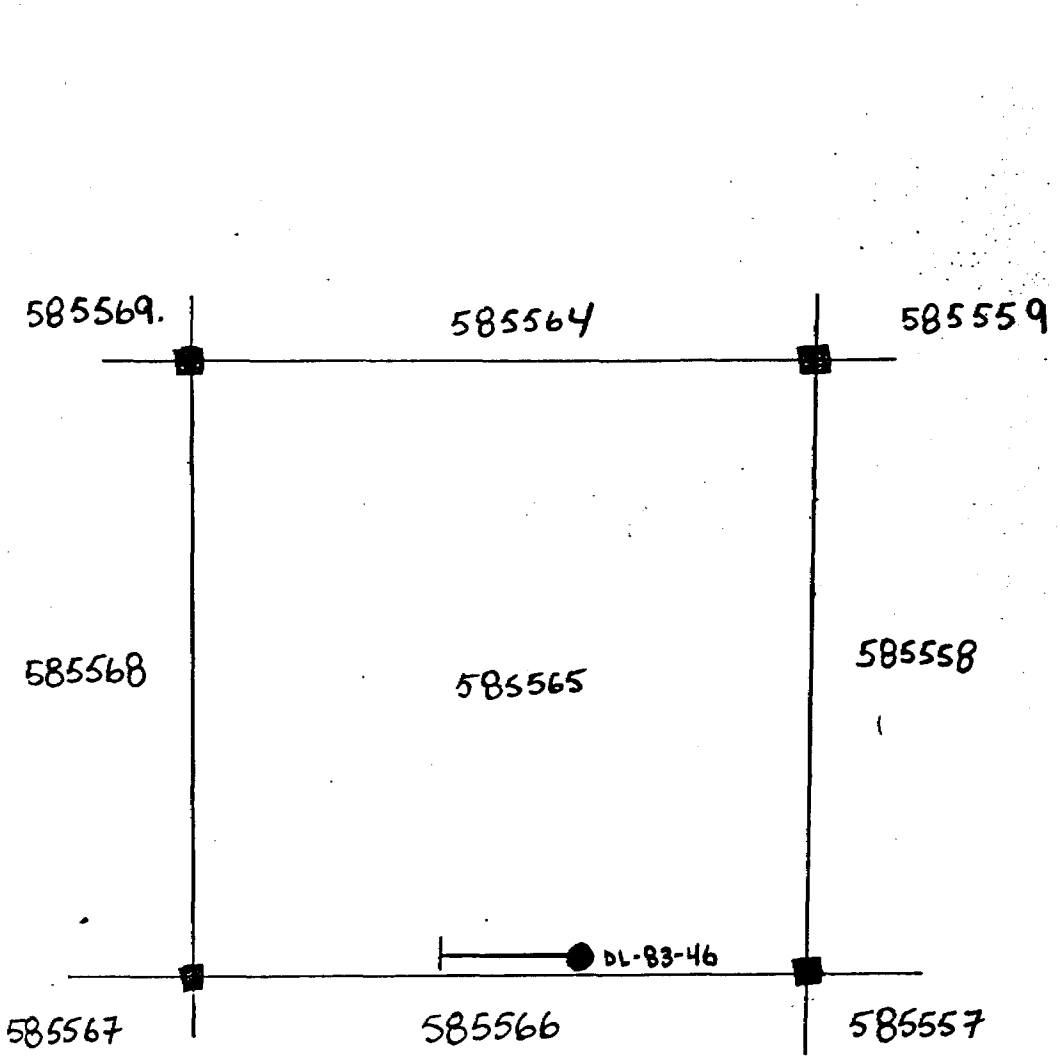
CHECKED BY:	DRAWG No:
N.T.S.	SCALE:

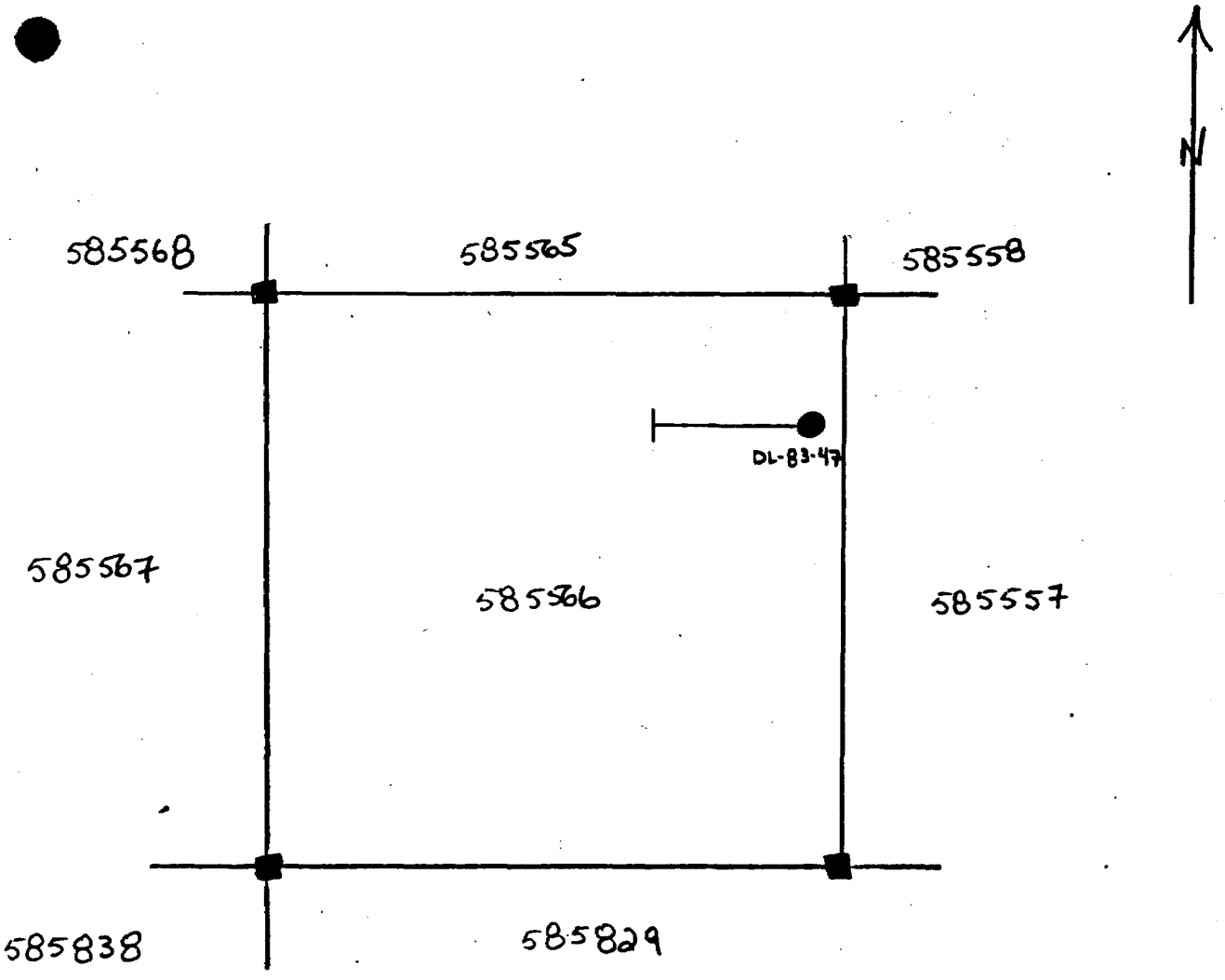
Getty Canadian Metals, Ltd.



LOCATION MAP
DL-83-46

0 300
metres

	DRAWN BY:	DATE:
	CHECK'D BY:	DRAW'G No:
	N.T.S.:	SCALE:
	Getty Canadian Metals, Ltd.	



LOCATION MAP

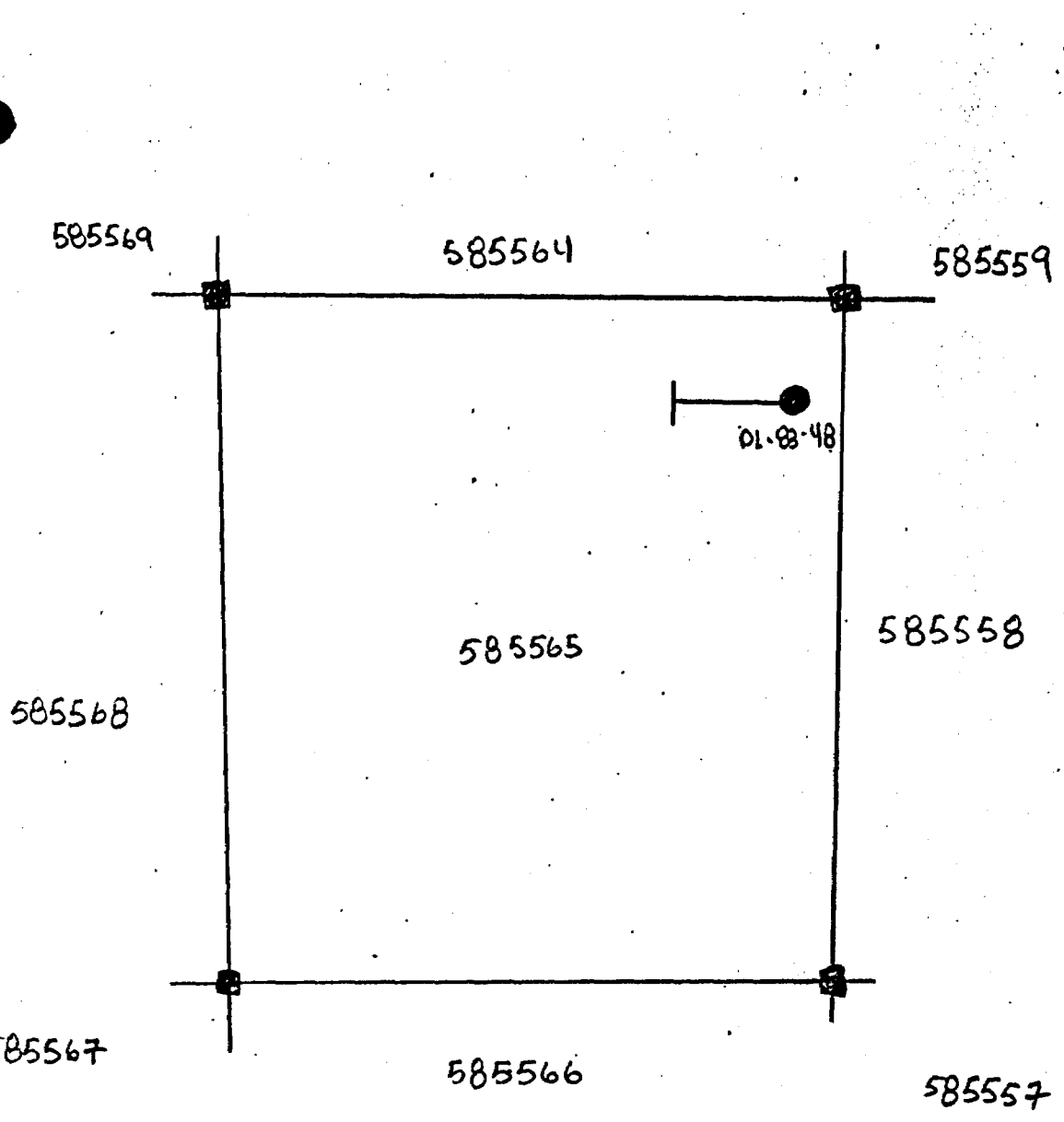
DL-83-47

0 300

metres

DRAWN BY: K.S.		DATE: OCT 83
CHECK'D BY:		DRAW'G No:
N.T.S: 32 E 13		SCALE: 1:5,000

Getty Canadian Metals, Ltd.

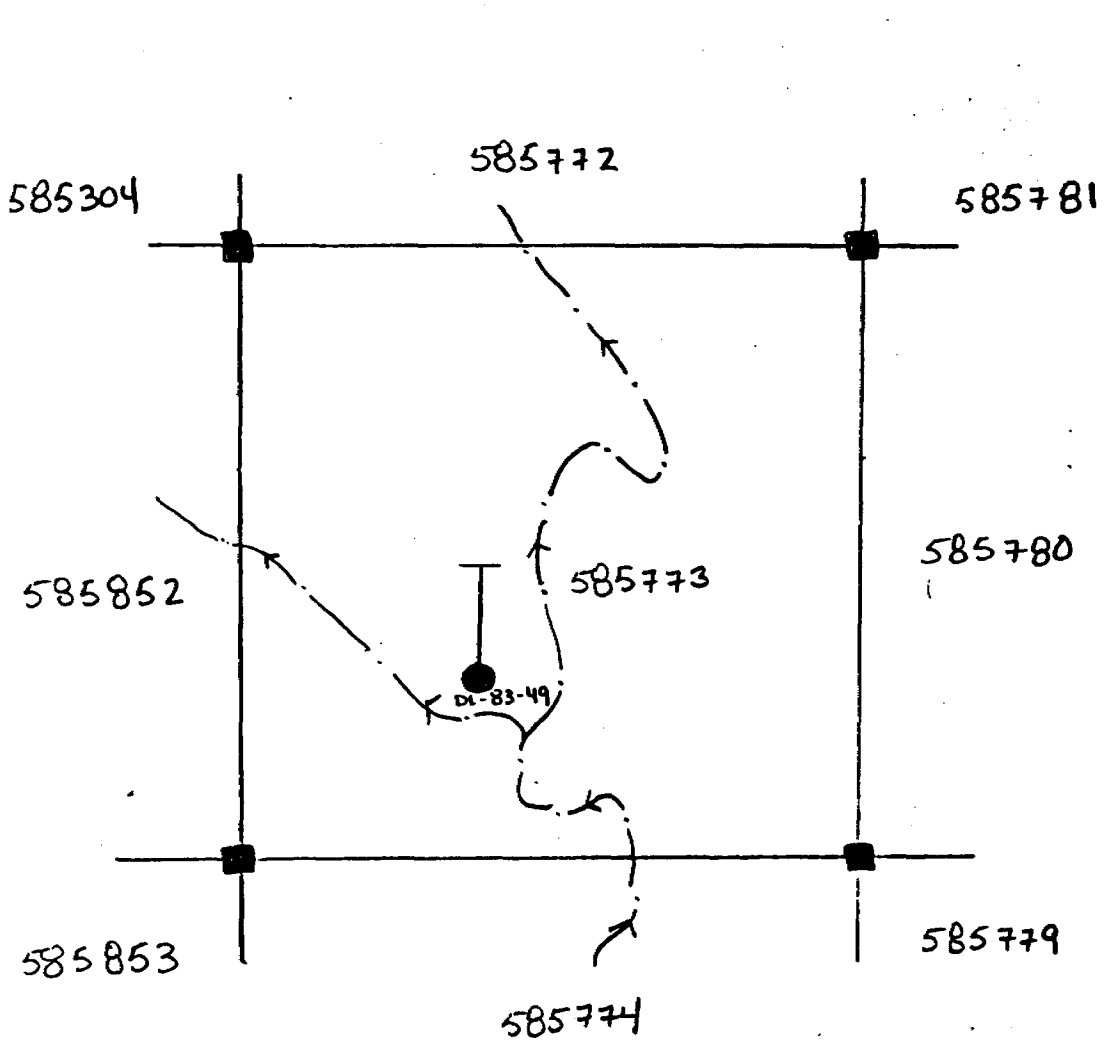


LOCATION MAP

DL-83-48

DRAWN BY		DATE
CHECKED BY		DRAWG No.
N.T.S.		SCALE

Getty Canadian Metals, Ltd.



LOCATION MAP

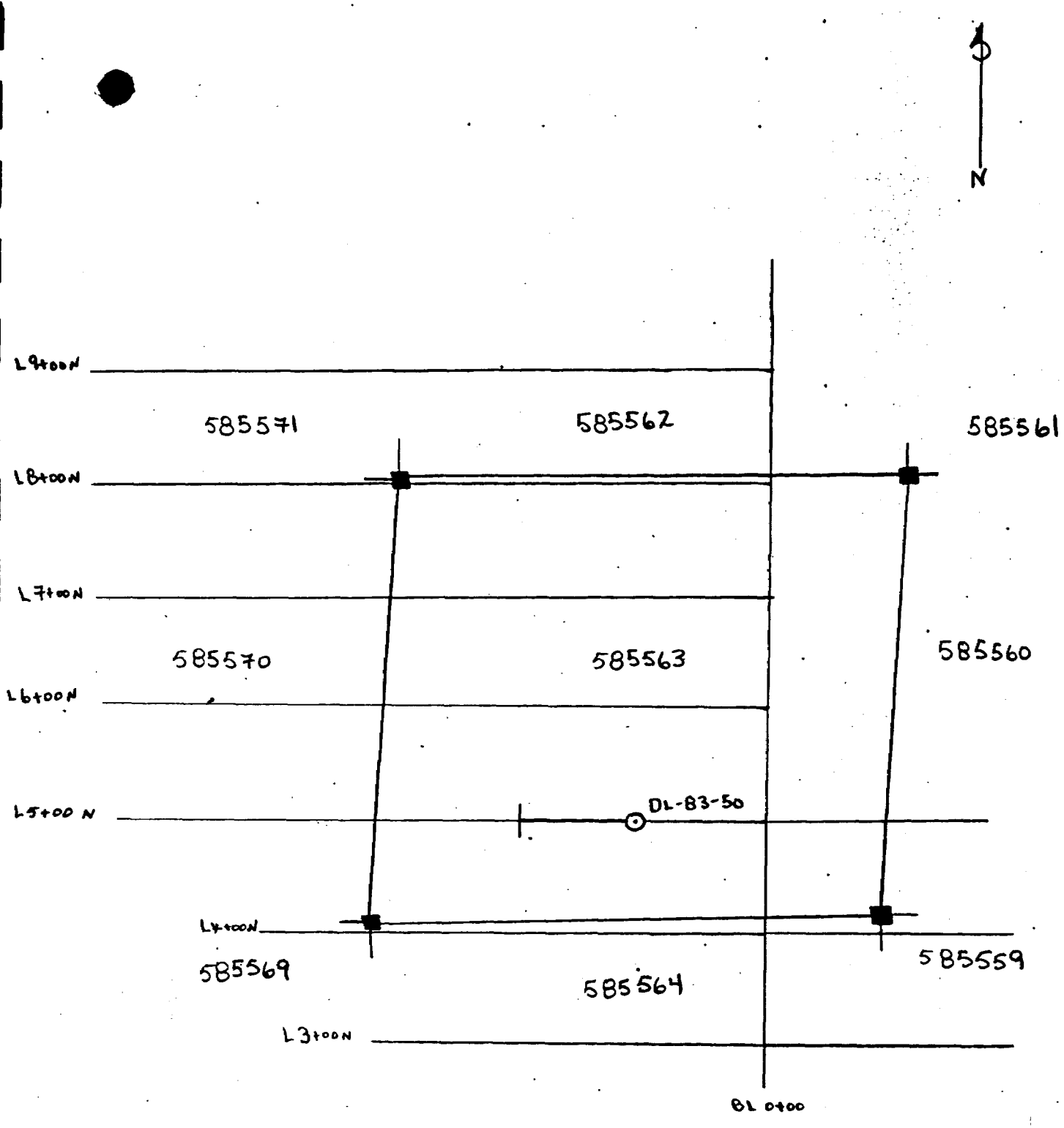
DL-83-49

0 300

metres

DRAWN BY: K.S	DATE: OCT. 83
CHECK'D BY:	DRAW'G No:
NTS: 32 E/13	SCALE: 1:5,000

Getty Canadian Metals, Ltd.



DDH LOCATION

D.D.H. DL-83-50

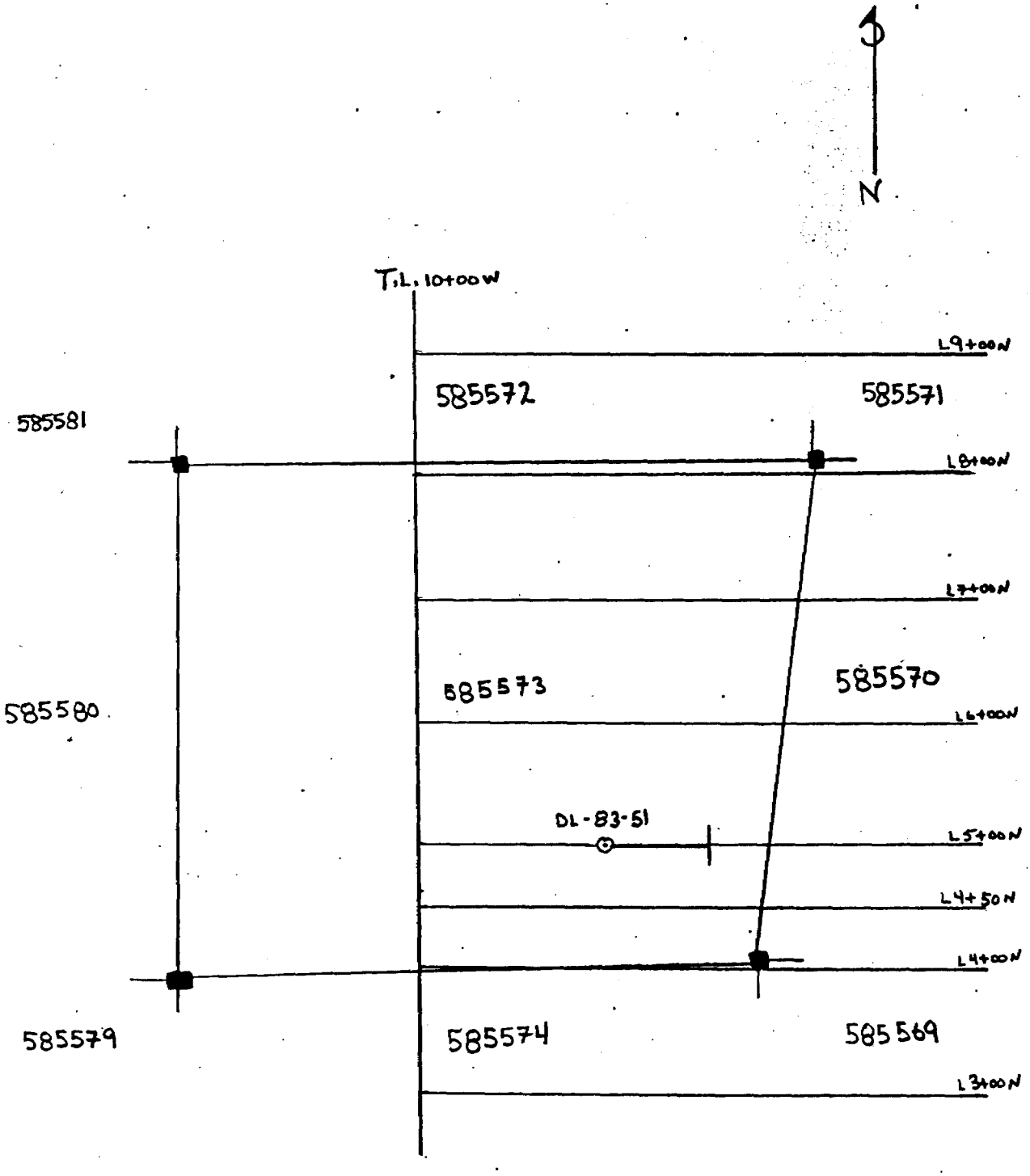
1 : 5000

0 50 100 150 200

METRES

DRAWN BY:	DATE:
CHECK'D BY:	DRAW'G No:
N.T.S.	SCALE:

Getty Canadian Metals, Ltd.



0 50 100 150 200

(METRES)

1 : 5,000

D.D.H. LOCATION MAP

D.D.H. DL-83-51

DRAWN BY:	DATE:
CHECKED BY:	DRAWG No:
N.T.S.	SCALE:

Getty Canadian Metals, Ltd.

PROVINCE OF QUEBEC

Lower Detour Lake

Lower Detour River

63.4274

63.4274

63.4274

63.4274

63.4274

CONT'D

900

OM

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

MINING RECORDER, WORK REPORT #17-1984

THE ASSAYS TO THE DRILL LOGS HAVE BEEN FILED WITH THE APPROPRIATE REPORTS

THE REMAINING REPORTS HAVE BEEN FILED IN # 63.4274

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THE FOLLOWING REPORTS HAVE BEEN PREVIOUSLY SUBMITTED:

1. DL-83-34, DL-83-35, K. SUTHERLAND, JAN/84 → SEE: DIAMOND DRILL LOG 33, ATKINSON LAKE AREA MINING RECORDER, WORK REPORT #321-1983

2. DL-83-08, DL-83-23, DL-83-26, DL-83-27, DL-83-30, DL-83-33, K. SUTHERLAND, JAN/84 → SEE: DIAMOND DRILL LOG 33, ATKINSON LAKE AREA MINING RECORDER, WORK REPORT #323-1983

3. DL-83-25, K. SUTHERLAND, JAN/84 → SEE: DIAMOND DRILL LOG 32, ATKINSON LAKE AREA MINING RECORDER, WORK REPORT #228-1983

4. DL-83-24, K. SUTHERLAND, JAN/84 → SEE: DIAMOND DRILL LOG 34, ATKINSON LAKE AREA