Diamond Drilling

Area Atkinson Lake Report Nº 33

Work performed by: Getty Canadian Metals, Ltd.

Claim Nº	Hole Nº	Footage	Date	Note
P 618866	DL-82-18	148.1m	Oct/82	(1) (3)
P 619208	DL-83-21	152.7m	Mar/83	(1)
P 619203	DL-83-22	101.2m	Mar/83	(1)
P 619208	DL-83-34	125.0m	Mar/83	(1) (4)
P 619203	DL-83-35	100.6m	Mar/83	(1) (4)
P 585613-4	DL-82-09	154.2m	Aug/82	(2) (3)
P 585904-5	DL-82-10	123.1m	Sept/82	(2) (3)
P 585903/585655	DL-82-11	248.7m	Aug/82	(2) (3)
P 585615/585608	DL-82-13	230.4m	Aug/82	(2) (3)
P 585925	DL-82-15	174.3m	Sept/82	(2) (3)
P 585947	DL-82-16	166.1m	Sept/82	(2) (3)
P 585909/585910	DL-83-08	144.5m	Mar/83	(2) (4)
P 585956	DL-83-23	139.3m	Mar/83	(2) (4)
P 585884	DL-83-26	242.9m	Apr/83	(2) (4)
P 585831	DL-83-27	111.9m	May/83	(2) (4)
P 585857	DL-83-30	167.9m	Apr/83	(2) (4)
P 586577	DL-83-33	145.4m	Apr/83	(2) (4)

Notes:
(1) #321-83
(2) #323-83
(3) OMEP Submittal: OM82-5-C-76
(4) OMEP SUBMITTAL: OM82-5-C-164

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-08

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

Grid.....WEST 'A'.....
Latitude...13+00N.....
Departure.144+00W.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....340°.....
Dip.....-50°.....
Length.....144.5 m.....
Horiz. Trace...95.m.....
Vert. Trace...108.5.m.....

Starting Date.....MARCH 6, 1983.....
Completion Date..MARCH 9, 1983.....

Date Logged.....MARCH 8-10, 1983.....
Logged by.....RICHARD SCRATCH...

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
47m	-57.5°	-47.5°
144.5m	-57.6°	-48.5°

Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	47.0 m	OVERBURDEN					
47.0 m	58.5 m	MAFIC VOLCANIC ROCK					
		- highly altered, usually to medium to dark green					
		chlorite but also present are amphibole rich sections					
		and heavily carbonated zones (calcite)					
		- rock is medium grained with alteration banding					
		at 55° to c/a					
		- heavily carbonated (50%) sections with calcite chlorite					
		banding at:					
		47.8 - 48.2 - this section contains 0.5 cm					
		porphyro blasts of anhedral					
		red brown mineral (garnet?)					
		at 47.84-47.9					
		49.9 - 50.1 - as above withlesser garnet?					
		51.5 - 51.6 - banding at 90° to c/a					
		51.73 - 51.88					
		- core badly ground at: 48.75-48.8, 49.6-49.8, 50.25-50.35,					
		51.97-52.25					
		- 53.8-54.77 - coarser grained mafic volcanic with					
		development of 15% anhedral white mineral (1mm)					

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Hole Number DL-83-08

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
47.0 m	58.05 m	cont'd					
		(aluminosilicate?) and cut by qtz-chlorite calcite					
		veinlets					
		- 54.77 - 58.05 - as at 47.0 - 53.8 but with less					
		carbonate chlorite alteration					
		- upper contact is sharp at 60° to c/a					
		- very magnetic at 47.0-53.3 except where chlorite-carbonate					
		alteration most intense (see above)					
58.05 m	77.32 m	MAFIC TO INTERMEDIATE VOLCANIC ROCK					
		- intercalated coarser grained (altered slightly to					
		chlorite & calcite) amphibolitic units and fine grained					
		volcanic sections - pillows?					
		- some coarse grained sections contain po 2-5%					
		- this unit is more siliceous than preceeding one.					
		po @ 60.6, 70.15 (to py)					
		- fine grained section (tuff?) @ 68.2 - 69.3					
77.32 m	78.5 m	MAFIC TO INTERMEDIATE TUFF					
		- mixed volcanic-epiclastic rock					
		- banding at 60° to c/a					
		- contains white flattened shards 10%					
		- contacts gradational					

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Hole Number DL-83-08

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
78.5 m	89.3 m	MAFIC TO INTERMEDIATE VOLCANIC ROCK					
		- mostly medium grained massive green intermediate					
		volcanic rock but with short coarse grained amphibolitic					
		sections					
		- rock is very competent and contains few alteration stringers					
		- coarser grained sections contain 30% feldspar, 50% amphibole,					
		20% chlorite					
		- 1% disseminated py & po					
89.13 m	89.60 m	MAFIC TO INTERMEDIATE TUFF					
		- as at 77.32 - 78.5					
		- banding at 55° to c/a					
		- contacts gradational					
		- fine grained					
89.60 m	92.2 m	AMPHIBOLITE					
		- coarse grained mafic to intermediate volcanic					
		rock similar to the shorter coarse grained sections					
		present at 78.5-89.13					
		- ave.grain size 3 mm					
		- rock shows intense green (chlorite) alteration at 91.1 - 90.8					
		- upper contact gradational lower contact abrupt					
		oriented at 35° to c/a					

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Hole Number DL-83-08

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
92.2 m	92.37 m	MAFIC TO INTERMEDIATE TUFF								
		- as at 77.32 - 78.5								
		- contacts upper and lower at 35° to c/a								
92.37 m	96.86 m	MAFIC TO INTERMEDIATE VOLCANIC ROCK								
		- mostly medium grained, green volcanic rock as at								
		78.5 - 89.13								
96.86 m	122.5 m	METASEDIMENTARY ROCK								
		- siliceous substance	D00001	121.5	122.0	0.5	Nil	Tr.	Tr.	Nil
		- upper contact at 30° to c/a	D00002	122.0	122.5	0.5	2	Tr.	100	Nil
		- fine grained, grey-green siliceous rock								
		- minor tuffaceous component								
		- transected by occassional qtz-chlorite-calcite veinlets								
		- ground core at 104.0-104.3, 112.9-113.1, 114.30-114.45,								
		115.0-115.2, 116.1-116.2, 116.9-117.0								
122.5 m	123.1 m	CONDUCTIVE ZONE	D00003	122.5	123.1	0.6	10	400	100	Tr
		- graphitic sulphide bearing cherty metasedimentary rock								
		- upper and lower contacts sheared and exact								
		width might extend to 123.35 but core is ground								
		- 60% graphite, 5% po, 10% py, 25% chert								
		- most of the pyrite is present in veins and as								
		altered product of po								
		- metasediments on both sides of this unit are								
		distinctly non sulphide bearing								

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Hole Number DL-83-08

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
123.1 m	129.5 m	METASEDIMENTARY ROCK	D00004	123.1	123.6	0.5	Nil	Tr	400	Nil
			D00005	123.6	124.1	0.5	Tr.	100	200	Nil
		- siliceous greyish siltstone as at 96.86 - 122.5								
		- ground core at 124.4-124.55, 125.15-125.35, 127.6-128.0								
		- lower contact gradational and indistinct								
		- qtz vein at 124.4								
129.5 m	132.45 m	MAFIC TO INTERMEDIATE TUFF								
		- well bedded at 60° to core axis								
		- development of 15-20% 1 mm white clots which	D00006	131.45	131.95	0.5	Nil	Tr	400	Nil
		may be an aluminosilicate, similar to those	D00007	131.95	132.45	0.5	17	100	400	Nil
		described in rock at 53.8-54.77								
		- upper contact gradational, lower contact abrupt at								
		50° to c/a								
		- rock appears more sedimentary towards base								
		- 131.75 minor graphite								
132.45 m	132.88 m	GRAPHITE - PY - PO - CHERT ROCK	D00008	132.45	132.88	0.43	12	500	100	Tr
		- another conductor similar to that at 122.5-123.1								
		- banding at 60° to c/a								
132.88 m	137.62 m	MAFIC TO INTERMEDIATE TUFF	D00009	132.88	133.38	0.5	Nil	100	200	Nil
			D00010	133.38	133.88	0.5	14	Tr	200	Nil
		- as at 129.5 - 132.45 with abundant								
		aluminosilicate? developed								
		- banding at 60° to c/a								
		- appears more sedimentary at base where grades into metasediments								

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Hole Number DL-83-08

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
132.88 m	137.62 m	cont'd					
		- garnet porphyroblasts appear at 137.20 - 137.62					
		135.67 - 136.7 - rock transected by qtz-chlorite garnet veinlets					
132.62 m	144.5 m	METASEDIMENTARY ROCK					
		- as at 96.86 - 122.5					
		- siliceous siltstone/argillite					
		- upper contact diffuse and gradational with overlying tuff					
		- minor qtz carbonate veinlets					
		- garnet at 141.5 - 141.6					
		- abundant garnet & tuffaceous component increases towards base of hole					
		- 1-2% at 144.4					
		- banding at 60° to c/a					
144.5		END OF HOLE					

DRILL CORE SA[illegible] Page [illegible] of [illegible]

PROJECT ABITIBI VOLCANIC BELT PROPERTY [illegible] LAKE DEV. Date MARCH 1/83

DL-83-08 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)		
D 00001	121.5	122.0	0.5	NIL	TR	TR	NIL						
00002	122.0	122.5	0.5	2	TR	100	NIL	10	<1	470	44.0		
00003	122.5	123.1	0.6	10	400	100	TR	10	6	210	39.0		
00004	123.1	123.6	0.5	NIL	TR	400	NIL						
00005	123.6	124.1	0.5	TR	100	200	NIL	25	<1	420	2.0		
00006	131.45	131.95	0.5	NIL	TR	400	NIL						
00007	131.95	132.45	0.5	17	100	400	NIL	10	<1	410	1.6		
00008	132.45	132.88	0.43	12	500	100	TR	<10	6	390	1.3		
00009	132.88	133.38	0.50	NIL	100	200	NIL						
00010	133.38	133.88	0.50	14	TR.	200	NIL	10	<1	580	3.2		

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DRILL HOLE LOG

Hole Number: DL-82-09

Property.....DETOUR.....
Location.....142 km NE of Cochrane, Ontario
Grid.....PROPERTY (WEST 'A')
Latitude.....2 + 00 S.....
Departure.....26 + 00 W.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....340°.....
Dip.....-50° N.....
Length.....154.2m.....
Horiz. Trace.....94.5 m.....
Vert. Trace.....120.5 m.....

Starting Date.....AUGUST 15, 1982.....
Completion Date.....AUGUST 18, 1982.....
Date Logged.....AUGUST 18-20, 1982.....
Logged by.....K.S. SUTHERLAND...
W.D. EWERT

K Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
36.6m	62°	-55°
154.2m	50°	-51°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	35.70 m	OVERBURDEN - sand, gravel boulders					
35.70 m	59.90 m	SILICEOUS METASEDIMENTS (Greywacke, siliceous greywacke, siltstone)					
		The unit is fine to medium grained, grey/brown in colour and medium soft. Mineralogy consists of 30-40% biotite, 20-30% feldspar and 20-25% quartz. Up to 3% pyrite/pyrrhotite is present as fine disseminations, <2mm blebs and ≤1mm wide stringers. Chalcopyrite is present, locally up to 2% as <1mm blebs + ≤1mm stringers and appears to be closely associated with pyrrhotite. The unit is weakly magnetic throughout relative to the amount of pyrrhotite present. There is a gradational change within the metasedimentary unit from fine grained graded siltstone to a coarser, siliceous greywacke with angular lithic fragments to 2mm. The unit is banded 80° to 90° to C/A as a result of possible graded bedding over an area of ~5 cm. Tops appear to be down hole. The metasediments are locally bleached. A graphite/sulphide rich horizon is intercalated within the siliceous metasedimentary unit containing 5-8% pyrite/pyrrhotite. Less than 2% quartz-carbonate veining is present throughout the unit.					

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		The veins are generally ≤ 5 mm wide and are oriented 45° and 90° to the C/A.								
		36.0 - A 4 cm wide zone of graded bedding, tops appear to be down hole.								
		36.5 - 36.7 - Fracture zone, deeply weathered blocky core, friable rock.								
		38.2 - Graded bedding oriented 90° to C/A								
		39.0 - 39.9 - Numerous stringers of pyrrhotite/pyrite 3-5% with <1% chalcopyrite locally as blebs (4 mm).								
		40.5 - Graded siltstone beds on a scale of a few milimeters oriented 85° to C/A, tops appear to be down hole, 1-2% disseminated pyrrhotite weakly magnetic.								
		40.7 - 41.7 - Up to 5% 3 cm wide quartz + carbonate + chlorite veins cross cutting the metasediments. Veins contain 3-5% disseminated pyrite/pyrrhotite. The sediments are leached up to 5 mm from the veins.								
		41.7 - 42.8 - Coarser grained interval with biotite and lithic fragments, to 10%, up to 5 mm in size.								
		43.5 - 44.0 - Sulphide bearing graphitic metasediment. 5-8%	8153	43.5	44.0	0.5m	10	870	130	0.5

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		pyrite/pyrrhotite (1:10) as blebs and stringers oriented	8154	44.0	44.5	0.5m	1	390	34	< 0.5
		90° to C/A. Approximately 30% graphite and <1% disseminated								
		chalcopyrite. The sulphide stringers are up to 5 mm wide.								
		49.6 - 49.9 - Feldspar porphyry. Contact is sharp 50° to C/A.								
		1-2% pyrrhotite stringers are present with associated								
		chalcopyrite (<1%) blebs to 3 mm.								
		51.2 - 51.25 - Feldspar porphyry. Contact sharp 80° to C/A.								
		52.95 - 53.1 - Feldspar porphyry. Contact 70° to C/A 2% pyrite.								
		53.65 - 53.8 - Thin graphitic sulphide bearing horizon with 20%								
		graphite and up to 3% disseminated and stringer								
		sulphide.								
		56.4 - A 4 cm wide chlorite rich vein with 5-8% pyrrhotite and								
		<1% chalcopyrite.								
		59.8 - Quartz + carbonate 1 cm wide vein with 8-10% pyrrhotite								
		and <1% chalcopyrite.								
59.9 m	64.5 m	FELDSPAR PORPHYRY - The rock unit is coarse grained light to dark								
		grey in colour, hard and non-magnetic. The rock consists of a								
		fine grained groundmass (60%) of quartz and biotite and 30-35%								
		inequigranular phenocrysts of feldspar up to 3 mm in size. The								
		feldspar phenocrysts are anhedral to subhedral, grey/white and								

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		and have a very weak preferred orientation 90° to the C/A. There								
		is some resorption of the feldspar crystals. Disseminated pyrite								
		up to 1%. The upper and lower contacts are sharp 70° to the C/A.								
64.5 m	68.3 m	SILICEOUS METASEDIMENTS (siltstone, siliceous siltstone, siliceous								
		greywacke)								
		This unit is similar to the metasedimentry unit from 35.7 to 59.0.								
		The rock is fine grained, grey and medium hard. It is weakly								
		magnetic throughout due to the presence of pyrrhotite. Pyrite								
		and pyrrhotite are present up to 2% throughout the rock as fine								
		disseminations and stringers. Chalcopyrite is present <1% and								
		appears to be associated with the pyrrhotite. Rock mineralogy								
		consists of biotite 30-40%, feldspar 25-35%, quartz 15-20%. graded								
		bedding on a scale of 3 to 5 cm is evident in some sections with								
		possible tops down the hole in minor q[illegible] carbonate + chlorite								
		veining.								
		62.25 - A 2 cm wide zone of graded bedding with possible tops								
		down the hole. Beds are oriented 90° to C/A.								
		65.98 - A 5 mm wide quartz + carbonate + chlorite vein with 4%								
		pyrrhotite (disseminated and 1 mm blebs) and <1%								
		chalcopyrite. The vein is oriented 70° to C/A.								
68.3 m	69.8 m	FELDSPAR PORPHYRY - A coarse grained, grey/white hard rock								
		consisting of a dark fine grained groundmass (biotite rich) with								
		~60% feldspar phenocrysts. The feldspar crystals are white,								

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	
		anhedral to subhedral and up to 3 mm in size <1% pyrite. The									
		upper and lower contacts are well defined. Minor quartz rich									
		veining within porphyry oriented 45° to C/A.									
69.8 m	70.8 m	SILICEOUS METASEDIMENT - (siltstone, siliceous siltstone)									
		The rock is fine grained, brown/grey and weakly magnetic. Weak									
		graded bedding is present over an interval of a few centimeters									
		and beds are oriented 90° to the C/A. Up to 2% disseminated and									
		stringer pyrite/pyrrhotite.									
		70.1 - 70.2 - Feldspar porphyry.									
70.8 m	73.9 m	FELDSPAR PORPHYRY - The rock is coarse grained, hard, grey and									
		non-magnetic. The groundmass (40%) is fine grained and black									
		(biotite/amphibole). The feldspar phenocrysts (60%) are pink									
		(K-rich) and white, anhedral to subhedral and up to 5 mm in size.									
		The phenocrysts show a subtle compositional change as defined by									
		mineralogy (biotite) fine to coarse over an interval of ~10 cm									
		(72.1 m). 1% disseminated pyrite throughout. Minor fractures									
		parallel to the C/A. There is 1% 5 mm wide quartz + carbonate									
		veining cross cutting porphyry at 45° to C/A. Upper and lower									
		contacts are distinct.									
73.9 m	86.2 m	SILICEOUS METASEDIMENTS - (siliceous siltstone, siltstone,									
		greywacke). The rock is fine grained, brown/grey and medium									
		hard. Mineralogy consists of biotite feldspar quartz and minor									
		chlorite. The unit is weakly magnetic and 1-2% disseminated and									

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		and small blebs and stringers pyrite and pyrrhotite is present								
		throughout. Weak graded bedding (82.1) over an area of 4 cm is								
		apparent. Tops appear to be down hole. 1% 2 mm wide quartz +								
		carbonate veins cross cut the sediments 45° to C/A. Some								
		sections appear bleached and there is a gradational change in								
		mineral composition and grain size (siltstone - greywacke).								
		73.7 - 74.7 - Coarser grained section - greywacke with angular								
		lithic fragments to 2 mm.								
		74.84 - A 1 cm wide vein (bleached zone) with 2 mm subrounded								
		blebs of pyrite. Incipient al								
		77.2 - A 1 cm wide quartz + carbonate + chlorite vein 80° to C/A								
		with 5-8% disseminated and blebby pyrrhote.								
		79.95 - Pyrite stringers oriented 85° to 90° to C/A.								
		80.0 - 81.5 - Feldspar porphyry. Sharp upper and lower contacts								
		45° to C/A. Cross cut by minor 5 mm wide pyrite veins								
		45° to C/A.								
		82.25 - A 2 cm wide graphite rich horizon with 15-20% graphite								
		and 1% pyrite/pyrrhotite.								
		83.17 - A graphite (10-20%) rich matrix within the siliceous								
		medasedimentary unit.								

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		83.30 - 86.2 - The rock is gradually becoming noticeably bleached.								
		It is lighter grey in colour, mottled (incipient alteration								
		of the feldspars). Pyrite and pyrrhotite are present up								
		to 2% as fine disseminations and stringers crosscutting								
		the metasediments at a shallow angle to C/A.								
86.2 m	95.6 m	CONDUCTIVE ZONE - The horizon consists of a conductive graphite/	8155	86.1	86.6	0.5m	1	600	390	1.0
		sulphide rich metasediment intercalated with a non-conductive	8156	86.6	87.4	0.8m	<1	210	140	0.5
		siliceous metasediment. The sulphide bearing graphite metasedi-	8157	87.4	87.9	0.5m	13	1100	1600	1.0
		ment consists of 30-50% graphite and 15-20% pyrite/pyrrhotite	8158	87.9	88.4	0.5	4	520	1400	1.0
		(fine disseminations, stringers and massive blebs. There is up	8159	88.4	88.9	0.5	6	400	3100	1.0
		to 3% chalcopyrite present. The conductive unit is finely	8160	88.9	89.4	0.5	5	180	770	0.5
		laminated 60° to the C/A and consists of fine pyrite/pyrrhotite	8161	89.4	89.9	0.5	4	330	350	1.0
		stringers, 1 mm wide quartz/feldspar and graphite.	8162	89.9	90.4	0.5	7	380	3200	1.0
			8163	90.4	90.9	0.5	10	480	860	0.5
			8164	90.9	91.7	0.8	8	190	100	0.5
		87.4 - 25 cm wide zone of blebby semimassive pyrrhotite (in-	8165	91.7	92.4	0.7	5	740	130	1.5
		filling for fragments).	8166	92.4	92.9	0.5	<1	350	120	0.5
		87.5 - Laminated quartz/feldspar within graphite rich zone	8167	92.9	93.4	0.5	21	970	57	1.0
		oriented 45° to C/A	8168	93.4	93.9	0.5	45	730	86	1.0
		87.7 - Pyrrhotite stringers oriented 70° to C/A with 1%	8169	93.9	94.4	0.5	3	260	100	0.5
		chalcopyrite.	8170	94.4	95.1	0.7	6	450	720	0.5

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		88.2 - 91.75 - Siliceous metasediment - The rock is light grey,	8171	95.1	95.6	0.5	22	500	210	< 0.5
		fine grained and hard. The rock is non-conductive except	8172	95.6	96.3	0.7	2	140	51	< 0.5
		where graphite/sulphide rich horizons are present 1%	8173	96.3	96.8	0.5	6	450	42	1.0
		pyrite is finely disseminated throughout the sediment with								
		minor pyrite/pyrrhotite stringers 60° to C/A and minor								
		quartz rich veins 1-2 mm wide oriented 60° to C/A.								
		91.2 - A 10 cm wide conductive interval of graphitic sulphide								
		bearing metasediments within siliceous metasediment.								
		Sharp contact 70° to C/A.								
		92.0 - A 10 cm wide interval of semimassive pyrite with 2%								
		pyrrhotite and < 2% 1 mm blebs of chalcopyrite.								
		92.40 - 92.80 - Siliceous metasediment - fine grained siltstone								
		with 1-2% disseminated and stringers pyrite/pyrrhotite.								
		92.8 - 94.26 - Sulphide bearing graphitic metasediments with								
		20-30% graphite, 10-15% stringer and disseminated								
		pyrite/pyrrhotite (1:5) with 1% chalcopyrite.								
		Stringers are up to 2 mm wide and are oriented								
		65° to C/A. Sharp upper and lower contacts with								
		siltstone 75° to C/A.								
		94.26 - 95.10 - Siliceous metasediment - ≤ 2% pyrite/pyrrhotite								
		stringers with 1% chalcopyrite.								

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		95.10 - 95.6 - Sulphide bearing graphitic metasediments with								
		20-25% graphite, 10-15% pyrrhotite, 2-3% pyrite and 1%								
		chalcopyrite. Sulphide stringers are oriented to 70°								
		to C/A.								
95.6m	104.2m	SILICEOUS METASEDIMENTS - (siliceous siltstone, greywacke)								
		The rock is fine grained, grey, weakly magnetic and medium hard								
		There is minor weakly graded bed tops undetermined. 2-3%								
		disseminated and very fine stringer pyrite/pyrrhotite is present								
		throughout - locally veins to 4 cm. Minor quartz + carbonate +								
		chlorite veining is present.								
		96.4 - A 4 cm wide pyrite vein, vuggy with cubic pyrite crystals								
		and calcite rhombs. Vein is oriented 45° to C/A. A 2 mm								
		wide pyrrhotite chalcopyrite vein parallels the pyrite								
		vein.								
		98.6 - A gradual contact over a few centimetres to a coarser								
		grained siliceous greywacke with <5% angular lithic								
		fragments to 2 mm.								
		100.1 - Pyrite stringers oriented 45° to C/A.								
		102.54 - A 2 cm wide quartz + chorite vein with 2-3% pyrrhotite								
		and <1% chalcopyrite associated.								

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	
104.2 m	116.85 m	FELDSPAR PORPHYRY - The rock is coarse grained, hard, grey and non-magnetic. It consists of a mafic fine grained groundmass (40%) and white anhedral to subhedral feldspar phenocrysts (60%) up to 4 mm in size, <5% chlorite crystals to 3 mm. There is a compositional differentiation reflected by grain size changes over 5 cm at 105.65 and 110.9 m. 1% disseminated pyrite. Upper and lower contacts well defined.									
		104.5 - A 1 cm wide quartz rich vein parallel to C/A.									
116.85 m	148.0 m	AMPHIBOLITE (Recrystallized Mafic Volcanic/Mafic tuff) The rock is medium to coarse grained, green/grey, medium hard and locally weakly magnetic. Mineralogy consists of 60% amphibole (green anderhal, needle-like crystals to 4 mm) and 40% feldspar (white crystals to 3 mm). There is a preferred orientation of the crystals 75° to 85° to C/A. Less than 1% sulphides. The mafic unit is interrupted by a garnetiferous metasediment. Less than 5% veining throughout amphibolite.									
		128.55 - A 3 cm wide quartz + carbonate + chlorite vein with up to 3% disseminated pyrrhotite and 2% chalcopyrite (blebs). There is a dark green alteration rimming vein up to 5 mm wide. Vein is oriented 45° to C/A.									
		140.44 - 141.2 - Garnetiferous interflow metasediment. The rock is fine grained, green, medium soft and non-magnetic. The garnets (10%) are pink, 2 mm in size and occur in									

GETTY MINES, LIMITED

Hole Number DL-82-09

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		2 cm wide bands oriented 90° to C/A								
		145.3 - 145.4 - Quartz vein, white, massive with no accessory mineralization. Sharp, jagged contact with host rock and is oriented parallel to the C/A.								
148.0 m	152.2 m	SILICEOUS METASEDIMENT - Interflow? siliceous greywacke. The rock is fine grained, grey/green medium hard and non-magnetic. Contains 5-10% angular, green lithic fragments to 4 mm which appear to have a preferred orientation 80° to C/A. The rock appears weakly graded reflected by concentration of lithic fragments and grain size. Well defined uppper and lower contacts trace sulphides and no veining.								
152.2 m	154.2 m	AMPHIBOLITE (Recrystallized mafic volcanic/mafic tuff) The rock is very similar to the amphibolite unit from 116.85 - 148.0. The rock is coarse grained, mafic and consists of 60% amphibole crystals and 40% feldspar crystals which have a preferred orientation 70° to 80° to C/A. There is a 1% quartz rich veining and <1% suphides.								
154.2 m		END OF HOLE								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-82-10

Property: DETOUR
Location: 144 km NORTHEAST COCHRANE, ONTARIO
Grid: PROPERTY (WEST 'A')
Latitude: 2+25S
Departure: 44+00W

Core Size: BQ
Elev. Collar: 0
Bearing: 340°
Dip: -50° N
Length: 123.1m
Horiz. Trace: 79.6 m
Vert. Trace: 93.5 m

Starting Date: SEPTEMBER 10, 1982
Completion Date: SEPTEMBER 13, 1982
Date Logged: SEPTEMBER 17, 1982
Logged by: K.S. SUTHERLAND

K. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar	-50°	-50°
50.0 m	57°	49°
123.1 m	56°	48°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	50.0 m	OVERBURDEN					
50.0 m	64.1 m	AMPHIBOLITIZED MAFIC TUFFS/EPICLASTIC METASEDIMENTS					
		The rock is fine to medium grained, green/white non-magnetic					
		and medium soft. Mineralogy consists of 45-55% amphibole					
		(subhedral green elongate <1m-2mm) crystals and 45-55% feldspar					
		(white ≃1-2mm) crystals and ≤3% biotite. Trace disseminated					
		pyrite is present throughout with minor pyrite veins to 1 cm.					
		The rock is moderately foliated 80° to C/A. The unit is cross-					
		cut by minor quartz rich veins up to 10 cm wide oriented					
		50-70° to C/A. Generally there is no accessory mineralization					
		but locally there are minor graphite flakes (possibly moly?).					
		The rock is also cross cut by a feldspar phorphyry. There is					
		weak banding at a high angle to the C/A throughout the unit,					
		minor biotite rich sections and some variation in grain size.					
		51.3 - 51.6 m - Feldspar Porphyry - grey, with 60% feldspar,					
		subhedral to euhedral crystals 1-3 mm in size, 40%					
		groundmass - fine grained, black. There is a weak					
		preferred orientation of the feldspar crystals at a					
		high angle to the C/A. Upper and lower contacts are					

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		well defined 45° to C/A - rimmed by minor biotite.					
		52.0 - 52.4 m - Feldspar porphyry - as from 51.3 to 51.6 m at					
		52.2 m - a 2 cm wide quartz vein with ≤1% pyrite and <1%					
		flakes of graphite (mo?) Contacts are sharp 70° to C/A.					
		Vein appears weakly layered.					
		53.6 - 53.8 m - Coarser grained, biotite rich.					
		53.8 - 53.9 m - A quartz rich vein ≅ 2 1 mm blebs of graphite.					
		Contacts are sharp 75° to C/A.					
		54.0 m - Weak graded bedding defined by variation in mineral					
		composition and grain size over a few centimetres -					
		35° to C/A.					
		55.0 m - 4 cm wide quartz rich vein - upper contact defined by					
		2 cm wide biotite rich band.					
		55.8 m - Graded bedding 85° to C/A over a few cm's.					
		Compositional change as well as grain size.					
		59.6 - 60.0 m - Possible coarse clastic sediment. Coarse grained					
		with quartz and feldspar clasts 1-3mm with a preferred					
		orientation ~80° to C/A. Biotite rich matrix with					
		≤1% disseminated pyrite, non-magnetic. Gradational					
		change in grain size over cm's giving banded appearance.					

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		Contacts are sharp 90° to C/A.								
		62.9 - 63.0 m - Two 4 cm wide quartz rich veins separated by a 2 cm wide biotite rich band. Contacts are sharp, lower contact 3 cm coarse clastic with 2% disseminated pyrite in matrix 1-2% pyrite/pyrrhotite.	8244	62.9	63.4	0.5 m	2	500	58	0.5
		63.0 - 64.1 m - A finer grained section with an increase in biotite content. Weak preferred orientation of feldspar and amphibole crystals. Some compositional and grain size variations over 5-10 mm banded 85° to C/A.								
64.1 m	66.7 m	Coarse clastic Sediment - Quartz pebble conglomerate/with some feldspar clasts). The rock is coarse grained, medium hard and non-magnetic. Upper (80° to C/A) and lower (50° to C/A) contacts are well defined. Clasts are rounded to subrounded 1-4 mm. Generally appears to be matrix supported. Matrix consists of biotite and minor chlorite. No visible sulphides. Variation is grain size (and composition) over 10's of mm to 10's of cm's.								
		64.8 m - A 3 cm wide quartz vein.								
		64.83 m - A 10 cm wide band - fine grained. Contacts are 80° to C/A.								
		65.3 - 65.4 m - Banded ~1 cm wide - compositional and grain size variarions.								

GETTY MINES, LIMITED

Hole Number DL-82-10

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 m - Quartz or silica rich vein 5 cm wide with 1-2% disseminated and blebby pyrite/pyrrhotite. Contacts jagged but sharp.	8245	66.5	67.0	0.5 m	3	240	370	0.5
66.7 m	69.5 m	CONDUCTIVE ZONE - This interval consists of sulphide bearing graphite rich metasediments and siliceous metasediments with 10-15% pyrite/pyrrhotite overall. The unit is well laminated and banded ~80° to C/A. Graphite content is ≤10%. Sulphides occur as fine stringers to 2 mm veins. The unit is magnetic throughout due to the presence of pyrrhotite. Unit is locally bleached.								
		66.7 - 66.8 m - Siliceous metasediments, light green/brown weakly banded 90° to C/A, 1-3% pyrite/pyrrhotite.								
		66.8 - 67.5 m - Sulphide bearing graphitic metasediments. Well laminated 70° to C/A with ≤10% graphite 8-10% pyrite/pyrrhotite (1:5). Magnetic, medium soft with minor feldspar/quartz rich bands.	8246	67.0	67.5	0.5 m	4	440	120	1.0
		67.5 - 67.6 m - Siliceous metasediments - bleached in part (may be weakly silicified) 1-3% pyrite/pyrrhotite. Minor 4 mm quartz vein, with pyrrhotite rimming, cross cuts 70° C/A. Upper and lower contacts sharp 70° to C/A.	8247	67.5	68.0	0.5 m	6	290	92	0.5
			8248	68.0	68.5	0.5 m	4	470	1100	0.5
			8249	68.5	69.0	0.5 m	3	230	790	0.5
			8250	69.0	69.5	0.5 m	7	230	1500	1.0
		67.6 - 68.2 m - Sulphide bearing graphitic metasediments with <10% graphite, 8-10% pyrite/pyrrhotite as stringers								

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
		to 2 mm. Well laminated 80° to C/A. Minor banding of									
		siliceous metasediments. Gradational increase in %									
		pyrrhotite to 68.2 m.									
		68.2 m - A 20 cm wide intervals with minor graphite 10-15%									
		pyrrhotite, 3% pyrite in siliceous metasediments.									
		Sulphides disseminated and blebs more so than stringers.									
		68.4 - 68.9 m - Gradational change to very well banded section									
		80° to C/A. Silica/graphite rich bands to 1 cm 3-5%									
		sulphide stringers.									
		68.9 - 69.5 m - Siliceous coarse grained metasediments (siliceous									
		greywacke?) minor quartz and felsic fragments with 1-3%									
		sulphides, non-magnetic, last 10 cm of section are graphite									
		rich sulphide bearing metasediments.									
69.5 m	74.0 m	SILICEOUS METASEDIMENTS-SILICEOUS SILTSTONE/SILICEOUS GREYWACKE									
		The rock is fine to coarse grained, medium hard and locally weakly									
		magnetic. Minor internal banding 70° to 80° to C/A.									
		69.5 - 69.8 m - Medium grained siliceous metasediment with trace									
		sulphides. Mineralogy consists of feldspar, biotite,									
		minor quartz. Non-magnetic. Upper and lower contacts									
		well defined 80° to C/A.									

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	
		69.8 - 70.4 m - Coarse grained clastic metasediment, with									
		internal variation in grain size-fine to coarse.									
		Mineralogy consists of quartz and feldspar in a biotite									
		rich matrix. 40-60% clasts subrounded to subangular									
		up to 2mm. Weak preferred orientation of clasts at a									
		high angle to the C/A. Matrix supported. At 70.0 m									
		a 3 cm wide fine grained band - similar bands at 70.1									
		70.15 m.									
		70.4 - 71.5 m - Mafic Epiclastic Metasediment (Tuff?). The									
		rock is fine to medium grained, green/grey with strong									
		foliation 70° to C/A. Soft with 30% quartz/feldspar and									
		minor biotite. Non-magnetic with minor fine pyrite veins									
		40° to C/A.									
		71.4 - 74.0 m - Siliceous Metasediments - (Siliceous siltstone/									
		greywacke) The rock is grey, fine to medium grained with									
		weak internal compositional banding on a scale of 10's of									
		mms. Mineralogy consists of feldspar (30%) biotite (20%)									
		quartz (20%). Magnetic throughout with ≤ 2% disseminated									
		pyrite/pyrrhotite. Very minor graphite/sulphide veins									
		(71.9 m) 3 mm wide oriented to 70° to C/A. 72.2 m - A 1 cm									
		wide quartz rich band 70° to C/A.	8251	73.5	74.0	0.5 m	3	240	54	0.5	
74.0 m	80.0 m	CONDUCTIVE ZONE - The conductive zone consists of sulphide	8252	74.0	74.5	0.5 m	56	2300	3300	2.5	
		bearing graphitic metasediments intercalated with siliceous	8253	74.5	75.0	0.5 m	3	920	1700	1.5	
		siltstone/greywacke and minor chert rich horizons. The sulphide	8254	75.0	75.5	0.5	5	810	12,200	1.0	

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		bearing graphitic metasediments consist of ≤ 20% graphite and	8255	75.5	76.0	0.5 m	15	570	13,700	1.0
		5-20% pyrite/pyrrhotite as blebs and stringers. There is locally	8256	76.0	76.5	0.5 m	2	840	3900	1.0
		≤1% chalcopyrite and 3% overall - usually associated with the	8257	76.5	77.0	0.5 m	< 1	700	3800	1.0
		pyrrhotite. The rock is laminated 80° to the C/A and locally	8258	77.0	77.5	0.5 m	3	520	1800	1.0
		contorted. There are minor (<5%) quartz/feldspar bands and	8259	77.5	78.0	0.5 m	4	960	1200	1.5
		locally a reddish stain associated which may be ankerite or	8260	78.0	78.5	0.5 m	11	2600	4000	2.0
		hematite. The siliceous metasediments are grey/green, fine to	8261	78.5	79.0	0.5 m	3	1100	2300	1.5
		medium grained and magnetic. Mineralogy consists of quartz/	8262	79.0	79.5	0.5 m	1	430	2400	1.0
		feldspar/biotite and minor chlorite. Weak internal banding due	8263	79.5	80.0	0.5 m	8	470	130	1.0
		to compositional variations (locally contorted) and minor cherty								
		horizons. There is 1-3% pyrite and 5-20% pyrrhotite. Contact								
		with graphitic sulphide metasediment is sharp 80° to C/A.								
		74.5 - 77.2 m - Graphite bearing sulphide rich metasediments								
		(74.6 m <1% chalcopyrite, 74.7 m <1% chalcopyrite, 74.8 m								
		a 2 cm band of siliceous metasediments). The unit is								
		weakly laminated 80° to C/A with 3-5% sulphides and								
		10-15% graphite. At 75.0 m - 10 cm band of siliceous								
		metasediments with 1-3% pyrite/pyrrhotite (75.1 m sulphide								
		veinlets to 2 mm). 75.3 m - 1 mm wide quartz rich vein.								
		75.5 m - Ankerite (hematite?) staining. 75.8 m - weak								
		brecciation (1mm angular fragments) in 3 cm wide pyritte/								
		pyrrhotite vein oriented 10° to 20° to C/A. 76.0 m - a								
		10 cm wide semi-massive pyrrhotite in quartz rich vein.								
		76.6 m - 1% chalcopyrite and rock is locally contorted.								
		76.7 - 77.0 m - Interval of ≤1 mm quartz or feldspar								
		fragments oriented 60° to C/A. A semi-massive pyrrhotite								

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		vein containing ≤1 mm angular fragments of graphite rich metasediments and feldspar rich fragments. Very minor chalcopyrite.					
		77.0 m - locally contorted sulphide stringers, graphite rich and siliceous metasediments 15-20% pyrite/pyrrhotite.					
		77.2 - 77.5 m - Medium grained siliceous metasediments - magnetic ≤1% sulphide, foliated 80° to C/A.					
		77.5 - 77.6 m - Sulphide bearing graphitic metasediments 8-10% pyrite/pyrrhotite.					
		77.6 - 77.8 m - Cherty siliceous metasediments 1-3% sulphide.					
		77.8 - 78.0 m - Siliceous metasediments.					
		78.0 - 78.2 m - Cherty/silicified metasediments with 1-3% disseminated sulphides.					
		78.2 - 78.9 m - Sulphide bearing graphitic metasediments locally contorted, 10-15% pyrite/pyrrhotite. 1% chalcopyrite at 78.4 m.					
		78.9 m - Coarse grained clastic metasediments (quartz feldspar fragments, subrounded to 2mm. Internal graded bedding 85° to C/A.					

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	
		79.4 m - a 5 mm wide semi-massive pyrrhotite vein with subangular inclusions/fragments of graphite and siliceous metasediments.									
		79.4 - 80.0 m - Sulphide bearing graphitic metasediments that are well laminated 80° to C/A. 5-8% sulphide stringers and ≤10% graphite.									
80.0 m	81.4 m	SILICEOUS GARNET BEARING METASEDIMENTS - The rock is green, fine to medium grained and weakly magnetic. It is well banded 80° to C/A. The bands are 0.5 cm to 1.5 cm wide and are locally garnet bearing. Garnets are pink brown and ≤2 mm. 1% disseminated pyrite/pyrrhotite (minor stringers). Upper contact is sharp 80° to C/A. Lower contact over a few cm's marked by decrease in banding density.	8264	80.0	80.5	0.5 m	22	75	140	1.0	
		80.5 m - garnet bearing band 1 cm wide.									
81.4 m	123.1 m	AMPHIBOLITIZED EPICLASTIC METASEDIMENTS AND TUFFS - The rock is fine to medium grained, dark to medium green, medium hard and non-magnetic. Mineralogy consists of amphibole (40-60%) feldspar (30-40%) biotite (5-8%) and possibly minor quartz. Locally the unit is garnetiferous. The rock exhibits internal layering (scale of cm's) mainly a compositional layering but grain size changes are also apparent. Trace sulphides present throughout. The rock is weakly foliated 70° to 80° to the C/A. Same orientation as internal layering. Minor quartz veining and biotite/chlorite veining + sulphides is present throughout the unit. Contacts									

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		from coarser to finer units are gradational over cm's.								
		83.9 m - Coarse grained internal with feldspar fragments, internally banded.								
		87.2 m - Internal banding over 15 cm.								
		88.1 m - 0.5 cm quartz rich vein with 1% chlorite and 1% pyrite/pyrrhotite associated.								
		89.2 m - Internal banding over 20 cm.								
		90.3 m - Quartz/biotite vein - sharp, irregular contact 50° to C/A.	8265	90.3			2	41	33	< 0.5
		92.0 m - A 1 cm wide quartz/chlorite/pyrrhotite vein.								
		92.1 and 92.4 m - A 1.5 cm wide band of pink garnets 1 mm in size. Band oriented 70° to C/A.								
		97.9 - 98.4 m - Internal lighter colour (grey) contact gradational. Minor quartz veining 70° to C/A, foliation 70° to C/A.								
		109.5 - 110.0 m - Coarser grained internal - upper and lower contacts are gradational.								

GETTY MINES, LIMITED

Hole Number DL-82-10

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		111.0 - 112.6 m - Finer grained interval, weak graded bedding					
		at 112.3 m 1.5 cm wide quartz/biotite vein oriented					
		80^{O} to C/A.					
		112.6 - 115.8 m - Green colour, increase in amount of biotite.					
		119.5 m - Quartz/biotite vein.					
		119.7 m - Gradational contact to coarser grained rock to end					
		of hole.					
123.1 m		END OF HOLE.					

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-82-11

Property.....DETOUR
Location.....144 km NORTHEAST OF COCHRANE, ONTARIO

Grid.....WEST A GRID
Latitude.....39+00W
Departure.....2+00S

Core Size.....BQ
Elev. Collar.....
Bearing.....340°
Dip.....-45° North
Length.....248.7 m
Horiz. Trace.....192.0 m
Vert. Trace.....170.0 m

Starting Date.....AUGUST 29, 1982
Completion Date.....SEPTEMBER 9, 1982

Date Logged.....SEPTEMBER 8-9, 1982
Logged by.....W.D. EWERT

Dip Tests		
Depth	Angle	
	Read	Actual
Collar	-45°	-45°
48.7	-57°	-48°
248.7	-47°	-39°

K Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
		SUMMARY LOG					
		0 - 48.8 Casing/overburden					
		48.8 - 61.8 Metasediments					
		61.8 - 63.8 Quartz pebble conglomerate					
		63.8 - 66.6 Amphibolite					
		* 66.6 - 68.0 Sulphide bearing graphitic Metasediments (conductive)					
		68.0 - 96.0 Amphibolitized mafic volcanic epiclastic metasediments and tuffs					
		96.0 - 100.6 Siliceous metasediments					
		106.6 - 103.2 Quartz feldspar porphyry					
		103.2 - 115.8 Amphibolitic siliceous metasediments					
		*115.8 - 119.6 Sulphide bearing graphitic cherty metasediemnts (conductive)					
		119.6 - 248.7 Amphibolite					
		*Split Sections		53.5	54.0		
				66.5	68.0		
				114.5	119.5		
				241.6	242.2		

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		Split Sections (cont'd)		242.5	243.1		
				243.3	243.5		
0 m	48.8 m	CASING/OVERBURDEN (Sandy gravel and boulders)					
48.8 m	61.8 m	METASEDIMENTS/ Siliceous graywacke-graywacke-argillaceous siltstone-psammites.					
		- well layered sequence of variable metasediments generally silty in nature and varying from med. grained psammites to fine grained argillaceous siltstones.					
		- layering, on scale of a few cm's to several 10's of cm, is defined by changes in both composition and grain size.					
		- thin (5-10 cm) graphitic horizons with 1-2 mm chert partings and locally containing 3-5% po py are occassionally intercalated with the more siliceous metaseds.					
		- Graywacke and siliceous graywacke units generally quite massive and thickly bedded (1/2 - 1 meter) with the more psammitic and argillaceous units often layered on a scale of a few mm's.					
		- compositional layering most easily discerned by variation in biotite and/or quartz content of contrastings beds.					
		- layering is locally contorted and cut by quartz stringers to 1/2 cm with undeformed sections giving core angles at 60° to CA.					
		- 1% disseminated py throughout.					

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		- non-magnetic and non-carbonated.								
		52.8 - 53.0 m - well layered argillaceous sequence with bedding core angle of 60°.								
		53.7 - 53.9 m - Sulphide bearing graphitic chert horizon - locally brecciated with 3-5 mm angular graphitic fragments in a cherty matrix. 5-8% py po 35-40% graphite	8227	53.5	54.0	0.5 m	2	69	300	< 0.5
		53.9 - 54.4 m - Very blocky core								
		55.0 m - Bedding at 70° to CA.								
		61.0 - 61.3 m - Coarser grained horizon approaching a pebble conglomerate immature - appears to be recrystallized and potassium metasomatized; now somewhat pinkish in color and almost granitoid in appearance.								
61.8 m	63.8 m	QUARTZ PEBBLE CONGLOMERATE - internally layered (scale of a few cm's) sequenced coarse grained pebbly conglomerate with 35 - 40% subrounded quartz and feldspar fragments, (10:1) up to 1 cm in a fine grained to aphanitic amphibolitic siltstone matrix.								

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
		- unit consists of more conglomeratic horizons									
		2-3 cm wide interlayered with somewhat thicker									
		3-5 cm wide silty horizons.									
		- grading suggested with tops apparently downhole.									
		- locally unit takes on a somewhat orange-pink									
		coloration possible due to hematite									
		or slight potassium metasomatism.									
		63.2 - 63.4m - very blocky and broken core.									
		63.4 - 63.8 m - Granitoid intrusion - well developed									
		equigranular mosaic texture.									
		63.8 - 64.1 m - blocky and broken core.									
63.8 m	66.6 m	AMPHIBOLITE (Calcareous-metasediment)									
		- fine to medium grained, dark green and massive to									
		slightly foliated-mode.									
		45-50% feldspar									
		44-60% amphibolite									
		- foliation defined by elongated amphibolite blades to									
		4mm.									
		- unit grades down hole into lighter grey more definitely									
		metasedimentary material. Vague internal layering on a									
		scale of a few cm's noted locally throughout but more									
		prevalent in lower sections.									

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		- 1-2% disseminated py with occassional occurrence of								
		massive py seams and stringers to 4mm especially in down								
		hole part of unit.								
		64.9 - 65.0 m - Quartz - feldspar porphyry								
		65.8 - 66.0 m - 5 - 8% pyrite as stringers and seams to 4 mm.								
66.6 m	68.0 m	SULPHIDE bearing graphitic metasediments (conductive)								
		- fine grained and compositionally layered (scale of								
		mm's to a few cm's) graphitic metasediments containing								
		5-8% py								
		30-35% graphite								
		>1% cpy								
		- 2 generations of sulphides present with py occurring	8228	66.5	67.0	0.5	<1	180	290	0.5
		as both conformable bedded zones and contorted cross	8229	67.0	67.5	0.5	<1	370	410	0.5
		cutting stringers. Vein to 5 mm.	8230	67.5	68.0	0.5	5	540	390	0.5
		- non-magnetic and no po noted								
		- cherty layers to 1 cm locally dominant but overall quite								
		minor. Cherty layer often broken up and dispersed by								
		flowage in a graphitic/sulphide matrix								
		67.8 m - 1 cm bleb of cpy in a pyrite bearing chert lens.								
		66.8 m - bedding core axis @ 80°.								

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
68.0 m	96.0 m	AMPHIBOLITIZED MAFIC VOLCANIC EPICLASTIC MEDASEDIMENTS/TUFFS					
		- intercalated sequence of fine grained to aphanitic mafic volcanic tuffs and epiclastic metasediments.					
		- contacts gradational although individual units may display internal layering.					
		- core angles generally at 65° to CA.					
		- locally unit may becomes well layered on a scale of a few cm's over intervals of several 10's of cm.					
		- in zones where unit becomes gradational to more meta-sedimentary material may contain up to 3-5% biotite.					
		- grain and color may vary from fine grained dark green tuffs to lighter grey green medium grained amphibolitic metaseds.					
		70.8 m - Core angle @ 65°					
		75.7 m - Core angle @ 75°					
		87.2 - 87.9 m - Fine grained, dark green (chloritic) and well layered mafic tuff horizon containing 3-5% disseminated and stringer py. Locally 15-20% quartz stringers to 4 mm wide contain 5-8% py (minor po) - weakly magnetic.					
96.0 m	100.6 m	SILICEOUS METASEDIMENTS (Siltstone, Psammites)					
		- medium grained to fine grained and light grey-green in color.					
		- gradational from previous up hole unit by way of increasing quartz and biotite.					

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		- compositional layering well developed on scale of a few					
		cm's to a few 10's cm and defined mainly by variations					
		in biotite content.					
		- Unit moderately magnetic with 3-5% disseminated and					
		stringer po (minor py).					
		- locally maybe quite amphibole rich but dominant mafic					
		mineral is usually biotite.					
		98.5 m - Core angle at 75° to axis.					
100.6 m	103.2 m	QUARTZ - feldspar porphyry					
		- unit contains 35-40% quartz and 5-10% feldspar phenocryst					
		to 1.5 cm in a biotite rich (10-15%) aphanitic matrix.					
		- relative percentage of feldspar: Quartz increases down					
		hole.					
		- upper and lower contacts vague.					
		- equigranular mosaic texture imparts an intrusive aspect					
		to unit although the vague and somewhat gradational					
		contacts suggest a hot gaseous crystal tuff type origin.					
		- non-magnetic.					
103.2 m	115.8 m	AMPHIBOLITIC, Siliceous Metasediments					
		- Intercalated sequence of impure siliceous graywackes					
		and siltstones.					
		- fine grained and well bedded (a few 10's of cm) sequence					
		containing					
		30-35% quartz					

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		20-25% feldspar								
		15-20% amphibole								
		10-15% biotite								
		- locally gradational into a few cm thick mafic tuff								
		horizons.								
		- moderately magnetic with 2-3% po disseminated throughout.								
		- layering generally at 75° to CA.								
		114.6 - 115.9 m - Unit becomes progressively bleached in	8231	114.5	115.0	0.5 m	3	230	420	1.0
		appearance with 3-8 mm cherty layers abundant. Numerous	8232	115.0	115.5	0.5 m	2	330	390	1.0
		py po stringers noted as down hole graphitic unit is								
		approached - maybe up to 8-10% po py locally.								
115.8 m	119.6 m	SULPHIDE Bearing Graphite Cherty Metasediments								
		- interlayered sequence of sulphide rich (py po) graphitic								
		argillites and cherty chemical metasediment.								
		- sections of massive graphite may reach 1 meter in width								
		and contain 10-15% associated po py as disseminations								
		and irregular blebs to 8 mm.								
		- occassional intervals to 20-30 cm of graphite free								
		bleached metasediments contain 5-8% disseminated and								
		stringer po py (minor blebs of cpy noted locally).								
		- bedding at 65° to CA.								
		- contact gradational with both up and down hole units.								
		- overall								
		Graphite 20-25%								
		po 10-15%								

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		py 3-5%								
		cpy <1% locally 1%								
		115.4 - 116.6 m - horizon of massive graphite with	8233	115.5	116.0	0.5 m	4	410	8400	1.0
		10-15% po py	8234	116.0	116.5	0.5 m	6	860	710	1.0
		116.6 - 117.5 m - bleached siliceous metasediments	8235	116.5	117.0	0.5 m	10	360	260	1.0
		containing abundant disseminated and stringer	8236	117.0	117.5	0.5 m	<1	74	140	0.5
		sulphide								
		overall 5 - 8% po py								
		<1% cpy								
		massive 1 cm stringers of po py noted								
		parallel to layering								
		117.3 - 117.5 m - 10 cm section of intrusive quartz								
		porphyry								
		117.5 - 118.0 m - Graphite argillite containing	8237	117.5	118.0	0.5 m	9	590	270	1.0
		30-35% graphite								
		5 - 8% po								
		2 - 3% py								
		118.0 - 119.6 m - Graphite and sulphide bearing	8238	118.0	118.5	0.5 m	5	190	120	0.5
		siliceous metasediments containing	8239	118.5	119.0	0.5 m	14	1200	110	1.0
		8 - 10 po py	8240	119.0	119.5	0.5 m	14	320	59	1.0
		10- 15% graphite								

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
119.6 m	248.7 m	AMPHIBOLITE (Mafic volcanic tuffs and epiclastic metasediments)					
		- unit varies from medium grained massive homogeneous amphobolite to fine grained, well layered and/or foliated amphibolite containing 5-10% accessory biotite.					
		- majority of unit appears to be more massive medium grained material with well layered obviously meta-sediments (tuffaceous horizons restricted to local layers generally less than 2 meters thick).					
		- 1% disseminated py throughout.					
		- initial up hole portion of unit consists of garnetiferous tuff possibly representing alteration under the overlying sulphide bearing graphitic metasediments.					
		- occassional quartz stringers containing 3-5% associated po py.					
		- coarser section locally contains possible pillow selvages to 3 cm wide at 65° to CA.					
		Apart from possible pillowed areas unit is definitely tuffaceous or metasedimentary in nature.					
		119.6 - 120.0 m - garnet bearing mafic tuffs poorly formed purple-pink garnets to 1 cm in a well layered (scaled cm's) chloritic tuff. 3-5% po py mainly as stringers					
		168.4 m - possible pillow selvages					

GETTY MINES, LIMITED

Hole Number DL-82-11

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		173.1 m - possible pillow selvages								
		177.1 m - 3 cm quartz stringer zone with po seam to 1 cm								
		188.8 m - 4 cm horizon of garnetiferous mafic tuff								
		198.6 - 198.9 m - Leucogranite dyke - white medium grained equigranular granit dyke with 5% biotite. 15-20% quartz 60-70% feldspar								
		199.3 m - 5 cm - Leucogranite dyke.								
		220.8 m - Core angle 60°								
		240.7 m - Core angle 65°								
		241.6 - 242.2 - quartz vein (milky quartz) containing 1-2% py - carbonated along fractures.	8241	241.6	242.1	0.5 m	<1	12	7.5	<0.5
		242.5 - 243.1 m - Milky quartz vein with <1% py - carbonated along fractures	8242	242.5	243.0	0.5 m	<1	51	8	<0.5
		243.4 - 243.8 m - Milky quartz veins - 1% py	8243	243.3	243.8	0.5 m	<1	50	18	<0.5
248.7 m		END OF HOLE								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-82-13

Property.....DETOUR
Location...142 KM. NE. OF COCHRANE, ONTARIO

Grid.....PROPERTY (WEST 'A').....
Latitude...0 + 00 (BL).....
Departure.29 + 00 W.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....340°.....
Dip.....-45°N.....
Length.....230.4 m.....
Horiz. Trace...168.5 m.....
Vert. Trace...156.0 m.....

Starting Date.....AUGUST 20, 1982.....
Completion Date.AUGUST 23, 1982...

Date Logged.....AUGUST 21-24, 1982.....
Logged by.....K.S. SUTHERLAND....
W.D. EWERT

K. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-45°
24.4	53°	-44°
137.2	52°	-43°
230.4	51°	-42.5°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.00 m	24.4 m	OVERBURDEN - sand, gravel, boulders					
24.4 m	36.0 m	AMPHIBOLITE - (Recrystallized Mafic Volcanic/Mafic tuff)					
		The rock is coarse grained, green/white, medium hard					
		and non-magnetic. Mineralogy consists of 50-60%					
		amphibole crystals (green, needle like up to 4 mm)					
		40-45% feldspar (white anhedral up to 2 mm) and 10%					
		biotite (brown/black, up to 2 mm). There is 1-2%					
		disseminated pyrite and trace pyrrhotite present					
		throughout the unit. Less than 4% veining crosscuts					
		the unit and veining generally consists of quartz and					
		quartz + carbonate + chlorite ± pyrite, pyrrhotite					
		chalcopyrite. Veins tend to be oriented at a high					
		angle to the C/A. There is a weak preferred orientation					
		of the amphibole (chloritized) crystals 60° to C/A.					
		A 1 metre wide garnet bearing interflow (?) metasediment					
		is present within the amphibolite unit.					
		26.40 - A 4 cm wide quartz + chlorite + carbonate					
		vein with 3% pyrite/pyrrhotite, blebs up to 3 mm.					
		26.6-26.75 - A good garnetiferous metasediment with					
		3% disseminated and 1 mm blebs of pyrite/pyrrhotite					

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)
24.4 m	36.0 m	cont'd					
		and 1% chalcopyrite.					
		26.95-28.25 - Garnetiferous interflow metasediment.					
		The rock is fine grained, green, medium soft and weakly					
		magnetic. There are up to 3 cm wide bands oriented					
		90° to C/A containing 25% pink 2 mm garnets. Minor					
		quartz + carbonate + chlorite with 2-5% pyrite/pyrrhotite					
		and 1% chalcopyrite. The veins are up to 4 cm wide and					
		are oriented 90° to C/A. Upper and lower contacts with					
		amphibolite are sharp.					
		28.6 - A 1 cm wide quartz rich vein oriented 45° to					
		C/A. It is rimmed by pyrite (up to 2 mm wide on up					
		hole contact) and a 3 mm wide chalcopyrite rich vein					
		is an offshoot oriented 10° to C/A					
		30.70 - Finer grained, interval within amphibolitize/mafic					
		rock.					
		33.7 - A 7 cm wide massive quartz vein with 1%	8174	33.6			3
		disseminated pyrite.					
36.0 m	39.1 m	FELDSPAR PORPHYRY - The rock is coarse grained hard and non-					
		magnetic. It consists of a mafic groundmass (60%) and					
		white subhedral feldspar phenocrysts up to 5 mm in size					
		(40%). There is a gradational change in grain size					
		from coarse to fine (compositional change ?) within the					
		rock. Upper and lower contacts are sharp 80° to C/A.					

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
39.1 m	71.1 m	AMPHIBOLITE - (Recrystalled Mafic Volcanic/Mafic Tuff)									
		The rock is medium to coarse grained, green/white,									
		medium hard and locally weakly magnetic where pyrrhotite									
		is present. There is 1% disseminated pyrite throughout									
		the unit and locally 2-3% pyrite/pyrrhotite stringers.									
		Mineralogy consists of 60% amphibole crystals 40% feldspar									
		crystals and locally 15% biotite. There is a local sub-									
		parallel alignment of amphibole crystals, which are									
		chloritized, 50° to 60° to C/A. Locally there are									
		garnet rich bands intersecting the amphibolite unit.									
		Minor quartz rich veining throughout the unit.									
		39.3 - A 1 cm wide quartz vein 30° to C/A.									
		43.5-44.4 - A zone with 2-3% pyrite as stringers and									
		fine disseminations, trace chalcopyrite.									
		50.3 - A sub parallel alignment of amphiboles 50° to C/A.									
		50.4 - A 5 cm wide breccia zone containing pyrite									
		stringers.									
		55.9 - Approximately 1 m wide biotite rich zone (15-20%)									
		with an apparent lineation 55° to C/A.									
		63.5-64.5 - Approximately 1 m wide interval of garnet									
		bearing amphibolitized mafic epiclastic metasediments.									
		Garnets are pink, up to 3 mm in size and occur in bands									
		up to 3 cm wide.									
		70.3-71.1 - Brecciated section, highly chloritized,									
		quartz fragments.									

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
71.1 m	78.0 m	SILICEOUS METASEDIMENTS - (siliceous siltstone, greywacke)					
		The rock is fine to medium grained, grey/brown					
		weakly magnetic and medium hard. Graded bedding					
		is found within the unit over a scale of a few					
		centimetres. Garnet bearing intervals are found					
		locally. There is 2% pyrite/pyrrhotite finely					
		disseminated throughout and in fine stringers					
		71.9 - Graded bedding over 3 cm, tops possibly up the hole.					
		72.0-73.8 - Coarser grained interval, greywacke.					
		76.8-77.0 - Coarser grained interval.					
		77.0 - A 2 cm wide garnet rich band oriented 90°					
		to C/A. Garnets are pink and $\leq$2 mm in size.					
78.0 m	142.0 m	CONDUCTIVE ZONE - The conductive zone consists of siliceous					
		greywacke/siltstone, silicified/cherty metasediments					
		with intercalated sulphide bearing graphitic metasediments.					
		The siliceous metasedimentary rocks - siliceous siltstone					
		(greywacke) are brown/green fine to medium grained,					
		medium hard and weakly magnetic throughout. Mineralogy					
		consists of biotite/feldspar/quartz/chlorite with 2-3%					
		pyrite/pyrrhotite. They are banded 90° to C/A and graded					
		bedding over a few cm's is present locally within the					
		unit. The rock is locally silicified over 10's of cm's					
		and is very hard, mottled with up to 5% disseminated					
		and stringer pyrite/pyrrhotite. The rock is interbedded					
		with sulphide bearing graphitic metasedimentary rocks.					

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
78.0 m	142.0 m	cont'd								
		The highly conductive sulphide bearing graphitic meta-								
		sedimentary rocks are black, fine grained, medium soft								
		and highly magnetic throughout. Mineralogy consists of								
		20%-80% graphite, 10% quartz/feldspar and 2%-6% pyrite/								
		pyrrhotite and <1% chalcopyrite. The rock is well								
		laminated 60° to 90° to C/A but is locally contorted								
		and brecciated on a scale of 10's of cm's, 2-5%								
		<5 mm wide quartz veining is present throughout-oriented								
		60° to 90° to C/A. Pyrite/pyrrhotite occur as								
		disseminations stringers and massive veins to 30 cm								
		with 2-5% carbonate. Chalcopyrite is present as blebs								
		and fine stringers, locally 1-3%, usually associated								
		with pyrrhotite.								
		Cherty Silicified Metasedimentary rocks are fine grained,								
		grey, hard and magnetic. They have a mottled appearance								
		and are internal fractured. The fractures are filled								
		with graphite and minor sulphide. Mineralogy consists								
		of chert with 5% graphite and 2-5% pyrite/pyrrhotite.								
		The rock is locally brecciated on a scale of 10's of cm's.								
		78.0-81.0 - Sulphide bearing graphitic metasedimentary	8175	78.0	78.5	0.5	4	480	1000	0.5
		rock, magnetic, very good conductor with 20-40% graphite,	8176	78.5	79.0	0.5	5	240	830	<0.5
		10-20% pyrrhotite, 10-15% pyrite and 1% chalcopyrite.	8177	79.0	79.5	0.5	2	520	1200	0.5
		The rock is well laminated 60° to C/A. (locally contorted	8178	79.5	80.0	0.5	1	270	1700	0.5
		79.6 m) and contains minor quartz rich veining 1 m to 1 cm	8179	80.0	80.5	0.5	5	540	3300	0.5

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
78.0 m	142.0 m	cont'd								
		wide 60° to C/A.	8180	80.5	81.0	0.5	5	400	1800	∠0.5
		81.0-82.0 - Siliceous greywacke/siltstone. The rock	8181	81.0	81.5	0.5	2	510	850	0.5
		is well layered, weakly magnetic with possible grading	8182	81.5	82.0	0.5	2	190	320	0.5
		bedding over a few cm's and 2% pyrite/pyrrhotite	8183	82.0	82.5	0.5	6	340	1300	0.5
			8184	82.5	83.0	0.5	6	990	470	0.5
		82.0-82.75 - Sulphide bearing graphitic metasediment	8185	83.0	83.5	0.5	1	110	98	0.5
		with 40-60% graphite, 15-30% pyrrhotite, 20% pyrite	8186	83.5	84.0	0.5	4	240	130	0.5
		(as disseminations blebs and stringers) and 1% chalcopyrite	8187	84.0	84.5	0.5	5	560	1900	0.5
		(82.0). Sulphides not well laminated but weakly breccciated.								
		82.75-84.0 - Crystal Tuff - The rock is silicified with								
		crystals up to 2 mm and a fine grained mafic biotitic								
		matrix. The rock is weakly magnetic with 1% disseminated								
		pyrite pyrrhotite. At 83.5 there is a 2 cm wide massive								
		seam of pyrite/pyrrhotite oriented 70° to C/A.								
		84.0-85.2 - Sulphide bearing graphitic metasedimentary								
		rock with up to 60% graphite and up to 30% pyrite/								
		pyrrhotite. At 85.1 there is a 4 cm seam of pyrite/pyrrhotite								
		oriented 90° to C/A.	8188	84.5	85.0	0.5	4	1100	310	1.0
		85.2-90.5 - Siliceous Metasedimentary rock (siltstone/	8189	85.0	86.0	1.0	2	110	71	0.5
		greywacke). The rock is fine grained and weakly magnetic	8190	86.0	87.0	1.0	35	24	24	0.5
		1% pyrite/pyrrhotite. Gradational contact around 88.9m	8191	87.0	88.0	1.0	5	23	34	0.5
		over 10's of cm's to more siliceous and more magnetic rock	8192	88.0	88.5	0.5	1	73	38	0.5
		with 3-5% pyrite/pyrrhotite lower contact is sharp.	8193	88.5	90.0	1.5	<1	220	110	1.0

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Zg (ppm)
78.0 m	142.0 m	cont'd								
		90.5-96.7 - Sulphide bearing graphitic metasedimentary rock	8194	90.0	90.5	0.5	5	180	150	0.5
		containing up to 60% graphite and 10-70% pyrite/pyrrhotite	8195	90.5	91.0	0.5	21	280	3200	1.0
		(1:5). The rock is well laminated but locally contorted and	8196	91.0	91.5	0.5	11	420	1900	1.0
		brecciated at 91.8 m and 92.5 m.	8197	91.5	92.0	0.5	16	140	1300	0.5
		93.0-93.3 - 1-5% graphite, pyrite/pyrrhotite stringers	8198	92.0	92.5	0.5	17	110	1800	0.5
		93.3 - A 40 cm wide of pyrrhotite (60%) pyrite	8199	92.5	93.0	0.5	16	220	550	0.5
		(25%) and 5% angular graphitic fragments to 1 cm.	8200	93.0	93.5	0.5	6	400	830	0.5
		94.9 - A 20 cm wide of 50% pyrrhotite 15% pyrite and	8101	93.5	94.0	0.5	4	470	1600	1.0
		5-8% carbonate.	8102	94.0	94.5	0.5	6	840	2700	<0.5
		95.3 - 1% chalcopyrite - bleb to 1 cm associated	8103	94.5	95.0	0.5	16	660	1500	0.5
		with pyrrhotite.	8104	95.0	95.5	0.5	10	1500	2500	0.5
			8105	95.5	96.0	0.5	19	780	800	0.5
		96.2-99.7 - Siliceous Greywacke/Siltstone - The rock is	8106	96.0	96.5	0.5	4	400	250	0.5
		fine grained, weakly magnetic and locally garnetiferous	8107	96.5	97.5	1.0	<1	190	200	0.5
		containing 2-3% disseminated pyrite/pyrrhotite and 1%	8108	97.5	98.5	1.0	<1	270	310	1.0
		quartz veining 5 mm wide oriented parallel to C/A. The	8109	98.5	99.5	1.0	<1	86	180	0.5
		rock is mottled possibly due to silicification.	8110	99.5	100.0	0.5	9	500	1100	0.5
		97.8-98.0 - A semi massive seam of pyrrhotite/pyrite								
		98.4 - Garnetiferous with pink garnets to 1 mm.								
		98.4-98.9 - Mottled section, possibly silicified								
		99.7-100.6 - Sulphide bearing graphitic metasedimentary								
		rock								
		100.1 - 60% graphite, 20-25% pyrrhotite/pyrite and 1%								
		chalcopyrite - blebs/stringers, weakly brecciated								

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
78.0 m	142.0 m	cont'd								
		100.3 and 100.4 - 1-2% chalcopyrite 1 mm blebs								
		associated with pyrite/pyrrhotite stringers and with								
		blebs of carbonate (2-5%)								
		100.6-102.4 - Siliceous/Silicified Greywacke/siltstone -	8111	100.0	100.5	0.5	6	380	2600	0.5
		The rock is grey, mottled, hard magnetic with 1-3%	8112	100.5	101.5	1.0	< 1	87	160	< 0.5
		disseminated and stringer pyrite pyrrhotite.	8113	101.5	102.5	1.0	< 1	82	140	0.5
		102.4-109.0 - Sulphide bearing graphitic metasedimentary	8114	102.5	103.0	0.5	2	250	2000	0.5
		rock containing up to 40% graphite and 15-20% disseminated	8115	103.0	103.5	0.5	5	620	1300	< 0.5
		and stringer pyrite/pyrrhotite. The rock is laminated	8116	103.5	104.0	0.5	< 1	99	1100	< 0.5
		60° to C/A but locally contorted and fragmented at 104.2	8117	104.0	104.5	0.5	4	91	300	< 0.5
		and 107.5 (also ptygomoidal quartz veining).	8118	104.5	105.0	0.5	< 1	190	570	< 0.5
		105.0 1% chalcopyrite in 2 cm quartz vein 60° to C/A	8119	105.0	105.5	0.5	4	160	200	0.5
		105.2 1% chalcopyrite associated with pyrite/pyrrhotite	8120	105.5	106.0	0.5	5	350	72	0.5
		bleb.	8121	106.0	106.5	0.5	2	170	58	0.5
		105.3 - Green mica (1 mm bleb) in quartz vein	8122	106.5	107.0	0.5	2	120	83	0.5
		Boudinaged 1 cm wide quartz vein with pyrite/pyrrhotite	8123	107.0	107.5	0.5	< 1	240	57	< 0.5
		in neck oriented 90° to C/A.	8124	107.5	108.0	0.5	< 1	200	24	< 0.5
			8125	108.0	109.0	1.0	3	320	1100	0.5
		108.0 - Well laminated 70° to C/A								
		108.7 - A 3 cm wide semi-massive pyrite/pyrrhotite vein								
		oriented 70° to C/A.								
		108.85-109.0 - A semi-massive pyrite/pyrrhotite (1:10)								
		vein with 2% carbonate.								

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
78.0 m	142.0 m	cont'd								
		109.0-112.6 - Silicified Siliceous Metasedimentary rock	8126	109.0	110.0	1.0	<1	340	460	1.0
		(siltstone/greywacke). The rock is fine to medium grained	8127	110.0	111.0	1.0	<1	340	630	1.0
		and contains 5-8% pyrite pyrrhotite. The rock is mottled	8128	111.0	112.0	1.0	<1	330	490	0.5
		throughout and is locally intersected by graphite rich	8129	112.0	113.0	1.0	<1	260	320	0.5
		sulphide bearing metasedimentary rock (up to 15 cm wide								
		and contains 50° to C/A). Graded bedding present 1 mm to								
		1 cm bands								
		109.0 - Mottled - silicified								
		110.6 - Brecciated fragments to 4 mm								
		111.6 - Graded beeding over 1 cm - possible tops are up								
		the hole								
		111.85-112.0 - Sulphide bearing graphitic interval								
		containing 10% grpahite, 5-8% sulphide								
		112.1-112.3 - Sulphide bearing graphitic interval								
		5-8% sulphide, laminated 70° to C/A								
		112.4-112.6 - Sulphide bearing graphitic horizon								
		containing 5-10% graphite, 2-3% sulphide.								
		112.6-118.1 - Sulphide bearing graphitic metasedimentary	8130	113.0	114.0	1.0	<1	360	260	0.5
		rocks containing up to 50% graphite, 10 to 30% pyrite/	8131	114.0	115.0	1.0	1	200	190	0.5
		pyrrhotite (1:10) and 1% chalcopyrite. The rock is								
		laminated 75° to 85° to the C/A but is locally brecciated								
		with angular fragments of graphite and sulphide 1 mm to								
		4 cm in a silica rich matrix (both matrix and fragment								
		supported) (Slump Breccia). There are 2-3% sulphides -								

GETTY MINES, LIMITED

Hole Number DL-82-13

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)
78.0 m	142.0 m	cont'd								
		only present in graphite rich fragments.								
		112.6 - Well laminated 10-15% stringer sulphide								
		113.4 - A 3 cm wide zone of fragmented sulphide								
		113.5-113.75 - Siliceous Metasedimentary rock with								
		10% graphite rich intervals. The rock is banded								
		70° to C/A and contains 2-3% disseminated sulphide								
		113.9 - Breccia Zone - angular graphite/sulphide								
		fragments to 5 mm (40%) in a silica rich matrix (60%)								
		114.75-115.2 - Breccia Zone - matrix supported angular	8132	115.0	116.0	1.0	<1	110	340	<0.5
		fragments of graphite with 2-3% banded sulphide up	8133	116.0	117.0	1.0	<1	73	850	0.5
		to 4 cm in fine grained silica rich matrix. No	8134	117.0	118.0	1.0	4	150	1300	1.0
		visible sulphide in matrix								
		115.2-115.3 - Graphite rich interval with 5-8% sulphide								
		115.3-116.2 - Breccia zone - as from 114.75-115.2 m								
		116.2-117.0 - Silicified zone, mottled, weakly								
		brecciated with 2% pyrite/pyrrhotite								
		118.1 - Contact with silicified metasediments	8135	118.0	119.0	1.0	<1	140	1200	<0.5
		40° to C/A 1% sulphide.	8136	119.0	120.0	1.0	<1	120	990	<0.5
			8137	120.0	121.0	1.0	1	130	1300	<0.5
		118.1-125.1 - Silicified Cherty, Metasedimentary Rock -	8138	121.0	122.0	1.0	<1	99	590	<0.5
		The rock is grey/white, mottled due to silicification and	8139	122.0	123.0	1.0	1	190	1100	<0.5
		magnetic throughout. It is fractured internally and the	8140	123.0	124.0	1.0	1	460	970	0.5
		fractures are filled with graphite and sulphide (1 mm thick)	8141	124.0	125.0	1.0	1	340	460	0.5
		There is 2-3% disseminated sulphide present and locally								
		horizons of sulphide bearing graphitic metasediments								
		(10% graphite 2-3% sulphide, well laminated) 1% chalcopyrite								

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
78.0 m	142.0 m	cont'd					
		and 1% sphalerite visible in rock sample when split.					
		120.5 - A 40 cm wide graphite rich (10-15%) interval					
		with 2-3% sulphide stringers and minor quartz veining					
		1 mm wide oriented 70° to C/A.					
		124.2-124.5 - Sulphide/Graphite horizon well laminated					
		65° to C/A.					
		123.9 - A 2 cm wide breccia zone. Angular fragments					
		of graphite and sulphide to 1 cm fragment supported					
		124.0-124.2 - A semi-massive pyrite/pyrrhotite vein					
		(30-35° py/po 1:10) and 1% chalcopyrite.					
		124.6 - A 1 cm wide pyrite/pyrrhotite oriented 60°					
		to C/A with possible chalcopyrite.					
		125.1-130.5 - Mafic Tuff - Upper and lower contacts weakly					
		brecciated with 1-2% sulphide. The rock is medium grained,					
		medium soft, magnetic with fragments to 2 mm and 1-3%					
		disseminated pyrite/pyrrhotite					
		127.0 - A 2 cm wide massive pyrrhotite/pyrite vein					
		oriented 60° to C/A					
		130.5-142.0 - Sulphide bearing graphitic metasedimentary					
		rock with intercalated siliceous/silicified greywacke/					
		siltstone.					
		130.5-131.0 - Siliceous greywacke/siltstone containing					
		1-2% disseminated pyrite/pyrrhotite and minor 1 cm					
		wide graphitic lenses.					

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Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
78.0 m	142.0 m	cont'd								
		131.0-133.5 - Sulphide bearing graphitic metasediment,	8142	131.0	131.5	0.5	<1	140	1200	<0.5
		weakly laminated 80° to C/A containing 2-5% disseminated	8143	131.5	132.0	0.5	1	120	790	<0.5
		and stringer pyrite/pyrrhotite. Containing 5 mm wide	8144	132.0	132.5	0.5	2	410	280	0.5
		quartz rich vein oriented 20° to C/A with 1% green mica.	8145	132.5	133.0	0.5	1	490	1400	0.5
			8146	133.0	133.5	0.5	2	390	1300	0.5
		At 131.2 - A 15 cm wide pyrite/pyrrhotite vein (1:5)	8147	133.5	134.0	0.5	4	350	1500	0.5
		132.2-132.5 - Siliceous metasediments with 1% pyrite/								
		pyrrhotite								
		132.5-133.5 - Sulphide bearing graphitic metasediments,								
		weakly laminated 50° to C/A containing 10% graphite								
		and 10-15% disseminated and stringer pyrite/pyrrhotite								
		(1:10)								
		133.5-133.75 - A 25 cm wide weakly brecciated and								
		contorted zone of sulphide and graphite, trace chalcopyrite								
		133.75-134.0 - Siliceous metasediments, banded 55° to								
		C/A containing 1-2% disseminated pyrite/pyrrhotite.								
		134.0-134.6 - Sulphide bearing graphitic metasediments	8148	134.0	134.5	0.5	5	660	3400	0.5
		well laminated 50° to C/A containing 10-20% graphite,	8149	134.5	135.5	1.0	10	270	190	0.5
		10-20% pyrite/pyrrhotite and minor quartz veins	8150	135.5	136.5	0.5	10	53	100	0.5
		134.6-135.0 - A semi-massive sulphide vein up to	8201	136.5	137.0	0.5	3	400	3200	1.0
		35% pyrite/pyrrhotite (1:10) containing 10% carbonate	8202	137.0	137.5	0.5	3	320	3500	0.5
		135.0-136.7 - Siliceous metasedimentary rock weakly	8203	137.5	138.0	0.5	2	540	1900	0.5
		silicified (mottled) fine grained magnetic with 1-3%	8204	138.0	138.5	0.5	<1	190	1900	0.5
		sulphide and 1% quartz veining.	8205	138.5	139.0	0.5	1	190	850	<0.5
			8206	139.0	139.5	0.5	3	270	1400	<0.5
			8207	139.5	140.0	0.5	4	150	240	0.5

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
78.0 m	142.0 m	cont'd								
		136.7 - 142.0 - Sulphide bearing graphitic	8208	140.0	140.5	0.5	1	250	680	0.5
		metasediments well laminated 80° to C/A but locally	8209	140.5	141.0	0.5	∠1	270	1200	∠0.5
		weakly contorted containing 10-15% graphite 10-15%	8210	141.0	141.5	0.5	4	390	650	0.5
		disseminated stringer and veins to 5 mm pyrite/	8211	141.5	142.0	0.5	2	370	88	1.0
		pyrrhotite. Upper contact marked by sulphide seam.	8212	142.0	142.5	0.5	4	130	49	1.0
		At 137.4 a 10 cm wide interval of siliceous metasediments								
		1-2% sulphide, contact 80° to C/A. At 138.0 a 1.5 cm								
		wide quartz rich vein, 20 cm long oriented 20° to C/A								
		containg minor sulphide and 1% green mica. At 138.6								
		weakly contorted. At 139.5 a 3 cm wide quartz +								
		pyrite/pyrrhotite vein oriented 70° to C/A								
		139.8-140.35 - Siliceous metasediments containing 2-4%								
		disseminated sulphide								
		140.35-140.5 - A quartz vein oriented 80° to C/A that								
		is weakly fractured and fractures are filled with								
		graphite and 1% pyrite/pyrrhotite								
		140.6 - 20-25% pyrite/pyrrhotite contorted and								
		weakly brecciated stringers								
		141.3-142.0 - 5% graphite 1-3% disseminated sulphide								
		2 cm wide quartz vein with 1% chalcopyrite								
		141.5 - A 2 cm with seam 30-40% pyrite/pyrrhotite								

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
142.0 m	154.4 m	MAFIC TUFF - The rock fine to medium grained with fragments to 4 mm, dark grey/green, medium soft and non-magnetic. It is weakly layered on a scale of cm's and contains trace sulphide. The rock is sheared, blocky, poor core recovery in some sections. There is 10-15% quartz rich veining ± sulphide ± green mica which have variable orientations and are locally fragmented.									
		145.6-148.0 - Poor core recovery, brecciated with angular fragments to 5 mm in a grey/white siliceous matrix									
		149.5 and 151.0 - Brecciated vein material sheared									
		151.2-154.2 - Poor core recovery									
154.4 m	230.4 m	AMPHIBOLITE (RECRYSTALLIZED MAFIC VOLCANIC ROCK). The rock is medium to coarse grained with minor intermittent fine grained sections (which may be the edge of a flow) medium soft and non-magnetic. There is 10% quartz veining present. The veins are up to 20 cm wide, white with no accessory mineralization and variable orientation. Mineralogy of the rock consists of dark green amphibole crystals to 3 mm (50-60%) and white plagioclase crystals to 2 mm (40-50%). Locally up to 8% biotite present in some intervals. The minerals show a local preferred orientation 70° to C/A									
		154.4-165.5 - 10% quartz rich veining within mafic volcanic 1 mm to 2 cm wide with general orientation 45° to C/A.									

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
154.4 m	230.4 m	cont'd					
		160.2 - A 20 cm long 1 cm wide quartz vein oriented					
		20° to C/A. It offsets a 1 cm wide quartz vein					
		oriented 60° to C/A.					
		161.4-162.0 - Fine grained interval					
		165.0-166.0 - Fine grained interval 165.3 to 165.5					
		quartz rich vein					
		166.75-168.6 - Fine grained section with incipient					
		feldspar alteration.					
		178.4 - A 3 cm wide pyrite seam					
		173.5-174.0 - Fine grained section banded 3 mm to 1 cm					
		175.5 - Up to 2 cm wide biotitic (5%) section					
		upper and lower contacts are gradational					
		177.2-178.2 - Banded section 70° to C/A					
		178.2-181.6 - Upper and lower contacts are gradational					
		over a few cm's. This section is more mafic and					
		coarser grained with 2% quartz rich veining and is					
		foliated 90° to C/A.					
		186.8-186.9 - Zone with 40% biotite, 30% chlorite +					
		quartz + plagioclase and 1% sulphide oriented 55° to					
		C/A.					
		187.2-187.5 - Finer grained interval					
		197.9-198.4 - Fine grained interval lighter green,					
		1 mm subrounded green lithic fragments to 5% of rock					
		190.8 - A 10 cm wide biotite/chlorite vein					

GETTY MINES, LIMITED

Hole Number DL-82-13

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
154.4 m	230.4 m	cont'd									
		194.3-196.6 - Fine grained section									
		197.9 - A 20 cm wide massive quartz vein with no accessory mineralization									
		202.7 - A 2 cm wide chlorite/biotite vein oriented 45° to C/A									
		205.7 - A 3 cm wide quartz/chlorite/biotite vein oriented 45° to C/A. Quartz in centre of vein, surrounded by chlorite which is rimmed by biotite									
		220.0-230.4 - Finer grained interval									
230.4 m		END OF HOLE									

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-82-15

Property...DETOUR.....
Location...144 KM NE COCHRANE, ONTARIO

Grid.....PROPERTY WEST 'A' GRID.....
Latitude....6 + 75 N.....
Departure..157 + 00 W.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....160°.....
Dip.....-50° S.....
Length.....174.3 m.....
Horiz. Trace...111.5 m.....
Vert. Trace....133.5 m.....

Starting Date....SEPTEMBER 14, 1982.....
Completion Date.SEPTEMBER 17, 1982.

Date Logged.....SEPTEMBER 18-19, 1982
Logged by.....K.S. SUTHERLAND....

K. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar	-50°	-50°
51.2 m	-60°	-51°
173.7 m	-63°	-55°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY Au	Cu	Zn	Ag	
0.0 m	51.2 m	OVERBURDEN									
51.2 m	174.3 m	MAFIC/ULTRAMAFIC METAVOLCANIC ROCK - The rock is dark green/									
		black/blue in colour, medium hard to medium soft, medium									
		to coarse grained and strongly magnetic throughout.									
		Mineralogy consists of pyrorene and plagioclase which have									
		been altered to serpentine and magnetite (10-20%). There									
		is 1% disseminated and fine veinlets of pyrite. Minor									
		veining is present throughout generally oriented at a									
		shallow angle to the C/A. Veins consist of magnetite									
		± carbonate ± talc serpentine.									
		53.7 m - Magnetite seam 20° to C/A									
		71.4 m - Magnetite seam 34° to C/A									
		68.8 m - A 5 mm wide talc/serpentine vein 10° to C/A									
		85.5 m - A 5 mm talc/carbonate vein 45° to C/A	8266	76.9	77.4	0.5	2	960	440	1.0	
		77.0 - Coarse magnetite crystals to 4 mm, red staining									
		apparent with 1-2% disseminated pyrite and									
		1% chalcopyrite stringer oriented 10° to C/A									

GETTY MINES, LIMITED

Hole Number DL-82-15

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au	ASSAY Cu	ASSAY Zn	ASSAY Ag
51.2 m	174.3 m	cont'd								
		87.9 m - A 3 cm wide magnetite/talc/serpentine oriented								
		18° to C/A								
		91.9 - Approximately 1.5 metre section that is lighter								
		blue/green coarse grained 97.1 a 3 cm wide magnetite								
		serpentine vein oriented 42° to C/A								
		97.4 - A 1 cm wide serpentine/carbonate/magnetite vein								
		oriented 45° to C/A								
		97.6 - Coarse magnetite crystals with 1% pyrite possible								
		chalcopyrite and red staining								
		119.8-120.3 - Coarse magnetite crystals to 3 mm 1-2%	8267	119.8	120.3	0.5	2	950	1200	0.5
		pyrite and possible chalcopyrite concentrated								
		in nose of 4 cm wide vein oriented 20° to C/A								
		141.3 - A 70 m interval of fine serpentine filled fractures								
		oriented 35° to C/A								
		142.2-142.6 - Talc rich interval								
		145.1-151.4 - Contacts are gradational. Zone of fine								
		serpentine veins oriented 30° to 45° to C/A								
		167.0 - Marks gradual change in rock to end of hole. Unit								
		is finer grained concentration of veinlets is weaker								
		1% disseminated sulphides and rock is lighter green								
		in colour								
		170.7-171.3 - Poor Core Recovery - broken blocky core -								
		possible weak shear, strong serpentinization								
		171.3 - Minor fine carbonate veinlets oriented 30° to 40° to								
		C/A								
174.3 m		END OF HOLE								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-82-16

Property: DETOUR
Location: 144 KM. NE OF COCHRANE, ONTARIO

Grid: PROPERTY WEST 'A' GRID
Latitude: 1 + 00 S
Departure: 161 + 00 W

Core Size: BQ
Elev. Collar:
Bearing: 340°
Dip: -50°N
Length: 166.1 m
Horiz. Trace: 108.3 m
Vert. Trace: 126.5 m

Starting Date: SEPTEMBER 18, 1982
Completion Date: SEPTEMBER 21, 1982

Date Logged: SEPTEMBER 20-21, 1982
Logged by: K.S. SUTHERLAND

Dip Tests		
Depth	Angle	
	Read	Actual
Collar	- 50°	-50°
50.0 m	- 59°	-49°
166.1 m	- 57°	-48°

K Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	50.0 m	OVERBURDEN					
50.0 m	94.8 m	MAFIC/ULTRAMAFIC METAVOLCANIC ROCK - The rock is dark green to green, medium to coarse grained, medium soft and magnetic throughout. Mineralogy consists of pyroxene and plagioclase (50-50) altered to serpentine and magnetite. There is 10% serpentine rich veins 1-4 mm wide oriented 35° to 55° to C/A. No preferred orientation of crystals similar to ultramafic unit in DL-82-15. Trace sulphides.					
		58.2 - A 3 mm wide serpentine rich vein 30° to C/A.					
		77.4 - Marks gradational contact to finer grained section.					
		80.1 - Serpentine vein, 5 mm wide, oriented 35° to C/A					
		80.6 - Serpentine rich veins 60° to C/A, 2-3 mm wide and 1-2 cm apart.					
		89.6 m - Serpentine/pyrite vein oriented 60° to C/A					
		- finer grained host rock					
		94.8 - Blocky core contact marks change to non-magnetic rock.					

GETTY MINES, LIMITED

Hole Number DL-82-16

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
94.8 m	117.7 m	MAFIC METAVOLCANIC/TUFF - The rock is medium grained, green,									
		medium soft and non-magnetic. Mineralogy consists of									
		amphibole (60% subhedral crystals to 1 mm) and plagioclase									
		(40%) with minor biotite and 1% disseminated sulphide.									
		There is a weak preferred orientation of crystals fo first									
		metre of section. Possible internal layering (marked									
		by change in grain size) subtle over 1-5 cm's.									
		95.3 m - Biotite (3%) and weak preferred orientation of									
		crystals 45° to C/A.									
		99.2 m - Gradational change to finer grained rock									
		101.6 - Internal layering perpendicular to the C/A									
		over a few cm's.									
		108.7-109.1 - Internal of white felsic fragments (5%).									
		Upper and lower contacts well defined by chlorite/biotite/									
		feldspar 45° to C/A									
		113.5 - Internal layering, possible graded bedding over									
		20 cm oriented 60° to C/A and layers 0.5 cm - 1 cm									
		114.0 - Gradational contact over a few cm's to increase	8269	114.0	115.0	1.0	< 1	210	41	< 0.5	
		in sulphide content (1-3%) disseminated and fine stringers	8270	115.0	116.0	1.0	1	280	32	< 0.5	
		orientated same as foliation. Rock is weakly magnetic	8271	116.0	117.0	1.0	< 1	560	44	0.5	
		(pyrrhotite + pyrite). Increase in sulphide content									
		downhole to conductive zone									
		117.2m - Sulphide vein 5 mm wide									
		117.6 m - A 3 cm wide pyrrhotite + pyrite vein 60° to C/A									

GETTY MINES, LIMITED

Hole Number DL-82-16

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
117.7 m	119.0 m	CONDUCTIVE ZONE - Cherty silicified metasediments tuffs.	8272	117.0	118.0	1.0	1	670	69	0.5
		Intercalated with sulphide bearing graphitic metasediments	8273	118.0	118.5	0.5	1	330	71	0.5
		Upper and lower contacts well defined 55° to C/A.	8274	118.5	119.0	0.5	<1	950	170	0.5
		117.7-118.0 - Cherty silicified metasediments weakly								
		banded with sulphide stringer and veins to 5 mm. 10-15%								
		pyrite/pyrrhotite (possible marcasite)								
		118.0-118.6 - 2-4% pyrite/pyrrhotite disseminated and								
		as stringers oriented 60° to C/A								
		118.6-119.0 - Sulphide bearing graphitic metasediments.								
		Well laminated 65° to the C/A containing 10-15% graphite,								
		15-20% pyrite/pyrrhotite (1:10) as stringers and veinlets								
		to 2 mm.								
119.0 m	122.4 m	FELDSPAR PORPHYRY - The rock is coarse grained with subhedral								
		feldspar crystals to 5 mm. Groundmass is fine grained								
		(biotite/chlorite ?) 1% disseminated sulphide. No								
		preferred orientation of crystals. Sharp upper and lower								
		contacts and fine grained chill margin 20 cm wide. Lower								
		contact pyrrhotite vein 65° to C/A								

GETTY MINES, LIMITED

Hole Number DL-82-16

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
122.4 m	126.7 m	SILICIFIED/CHERTY METASEDIMENTARY ROCK - The rock is fine grained,								
		hard, magnetic (pyrrhotite). The unit is well banded 60° to								
		the C/A (quartz/feldspar/biotite/chlorite/sulphide) with								
		minor graphite rich horizons to 2 cm. It contains 10-20%								
		pyrite/pyrrhotite as stringers and veins to 5 mm with								
		locally 1% chalcopyrite (usually associated with quartz								
		veins and/or pyrrhotite. Well laminated 60° to C/A and								
		locally contorted.								
		122.6 - Locally contorted sulphide stringers								
		122.9 - Marcasite/pyrite vein to 8 mm and weakly contorted	8275	122.5	123.0	0.5	5	1500	280	1.0
		123.4 - Quartz/feldspar (possibly lithic fragments with	8276	123.0	123.5	0.5	< 1	2100	740	1.0
		1-3% sulphides to 1 cm in size aero dynamic shape and	8277	123.5	124.0	0.5	1	890	460	0.5
		hosted in biotite rich metasediments	8278	124.0	124.5	0.5	< 1	1300	320	0.5
		124.1-124.6 - Quartz rich section with 5-8% sulphides	8279	124.5	125.0	0.5	1	1100	170	0.5
		(some sulphides present in fractures in quartz)	8280	125.0	125.5	0.5	2	890	210	0.5
		124.6-125.5 - Banded 60° to C/A with 8-10% sulphides	8281	125.5	126.0	0.5	1	1200	620	1.0
		3% actinotite in quartz rich section.	8282	126.0	126.5	0.5	1	750	400	1.0
			8283	126.5	127.0	0.5	4	60	140	< 0.5
		125.5 - A 1.5 cm wide semi-massive pyrrhotite vein 50° to C/A								
		125.7 - A 2 cm wide quartz vein								
		126.2-126.7 - A quartz banded zone with 8-10% pyrite/pyrrhotite								
		stringers, graded bedding weak at 126.7. At 126.2 a 2								
		cm wide quartz rich vein 70° to C/A rimmed by pyrrhotite								
		and biotite. At 126.3 contorted pyrrhotite/pyrite								
		stringers amphibolitized.								

GETTY MINES, LIMITED

Hole Number DL-82-16

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
126.7 m	166.1 m	AMPHIBOLITIZED MAFIC TUFFS/EPICLASTIC METASEDIMENTS - Upper contact is gradational over a few cm's. The rock is fine to medium grained, green, dark green and medium hard. Mineralogy consists of amphibole/feldspar/biotite with 1-3% pyrite/pyrrhotite disseminated and as fine stringers. The rock is moderately foliated 60° to C/A. Approximately 1-5% quartz rich veining throughout the unit. Minor lithic fragments (green/white) angular up to 3 mm long.								
		126.7-129.8 - Finer grained, with 1-3% sulphide								
		129.8-134.7 - Coarser grained with a slight increase in quartz veining. 131.4 chlorite/biotite rich band 3 cm wide, 50° to C/A	8284	130.0	131.0	1.0	3	160	27	<0.5
		133.0 - Foliation 45° to C/A								
		134.7-136.2 - Finer grained, small lithic fragments, less veining. 135.8 - A 3 mm wide quartz vein 55° to C/A								
		136.2-142.0 - Coarse grained, increase in veining. Rock foliated 55° to C/A at 139.6 feldspar rich (pink) vein 5 cm wide.								
		142.2 - A 3 cm wide quartz rich vein with 1% sulphide oriented 15° to C/A								
		143.2-143.5 - Coarser grained stretched lithic fragments to 4 mm. Contact defined, 50° to C/A								
		144.3-145.3 - Coarser grained, somewhat biotitic, fragments not as stretched as 143.2-143.5.								

GETTY MINES, LIMITED

Hole Number DL-82-16

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppm)	Cu (ppm)	Zn (ppm)	Ag (ppm)
126.7 m	166.1 m	cont'd								
		154.6-156.6 - Slightly coarser grained, locally biotitic								
		154.8 - A 3 cm wide quartz vein								
		160.8 - 161.3 - Coarser grained, foliated 30° to C/A								
		165.1-166.1 m - fine pyrrhotite rich stringers with	8285	165.1	166.1	1.0	< 1	120	46	0.5
		5% quartz veining 3 mm - 1.5 cm wide								
166.1 m		END OF HOLE								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-82-18

Property: DETOUR SOUTH
Location: 142 km NE OF COCHRANE, ONTARIO
Grid: PROPERTY (WEST 'A')
Latitude: 1+75N
Departure: 99+00W

Core Size: BQ
Elev. Collar: o
Bearing: 160°
Dip: -45°
Length: 148.1 m
Horiz. Trace: 113.2 m
Vert. Trace: 95.5 m

Starting Date: OCTOBER, 1982
Completion Date: OCTOBER 24, 1982

Date Logged: OCTOBER 24-26, 1982
Logged by: G.A. TREMBLAY

Dip Tests		
Depth	Angle	
	Read	Actual
Collar	-45°	-45°
24.4m	-53°	-46°
148.1m	-44°	-37°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)	
0.0 m	24.4 m	OVERBURDEN - sand, gravel boulders.									
24.4 m	25.5 m	FELDSPAR PORPHYRY - Medium to coarse grained. Greenish light	C-8286	24.4	25.5	1.1	1	220	51	0.5	
		grey to medium grey in colour. The rock consists of feldspar,									
		biotite and quartz; inequigranular, anhedral to subhedral,									
		phenocrysts of feldspar up to 2mm in size. The pistachio-green									
		colour is given by 2 minor alterations of feldspar to epidote.									
		Disseminated pyrite up to 1%. Lower contact at 40° to C/A.									
25.5 m	76.3 m	SILICEOUS METASEDIMENTS (siltstone, mudstone, grey-wacke) - Fine	C-8287	25.5	27.5	2.0	< 1	22	72	0.5	
		to coarse grained. Light to dark grey in colour. The rock	C-8288	27.5	29.5	2.0	< 1	11	64	< 0.5	
		consists of biotite, quartz and feldspar. Well laminated and	C-8289	29.5	31.5	2.0	< 1	32	43	< 0.5	
		and banded (40°-45° to C/A). Conglomeratic at 34.0, 53.3 and	C-8290	31.5	33.5	2.0	< 1	49	66	0.5	
		66.3 m. Occasional pegmatite sweats (34.0, 44.0 and 63.0 m).	C-8291	33.5	35.5	2.0	< 1	33	66	0.5	
		Drag folded at 32.0 and 42.6 m. Up to 2% finely disseminated	C-8292	35.5	37.5	2.0	< 1	44	78	0.5	
		pyrite/pyrrhotite with occasional blebs and very narrow stringers	C-8293	37.5	39.5	2.0	< 1	52	150	< 0.5	
		parrallel to foliation. Minor small reddish pink garnets from	C-8294	39.5	41.5	2.0	1	57	140	0.5	
		25.5 to 34.2 m, but pelitic and highly garnetiferous from 34.2	C-8295	41.5	43.5	2.0	< 1	87	140	1.0	
		to 61.0 m; garnets up to 5 mm in size. Greyish white quartz	C-8296	43.5	45.5	2.0	1	100	290	0.5	
		veinlets at 48.5, 54.7, 55.1 and 52.3 m. Occassionally very	C-8297	45.5	47.5	2.0	< 1	54	130	0.5	
		minor chloritization (58.9m). From 73.9 to 74.2 m feldspar	C-8298	47.5	49.5	2.0	< 1	59	160	0.5	

GETTY MINES, LIMITED

Hole Number DL-82-18

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)
		porphyry. The highly siliceous (silicification?) medium grained	C-8299	49.5	51.5	2.0	< 1	59	160	0.5
		magnetic-rich, slightly garnetiferous magnetite-rich rock from	C-8300	51.5	53.5	2.0	< 1	36	68	0.5
		64.5 to 66.3 m may be a siliceous (cherty) iron formation. The	C-8301	53.5	55.5	2.0	1	41	82	0.5
		siliceous metasediments may contain some small sections of mafic	C-8302	55.5	57.5	2.0	< 1	45	80	0.5
		to intermediate tuffs.	C-8303	57.5	59.5	2.0	< 1	56	100	0.5
			C-8304	59.5	61.5	2.0	1	55	92	0.5
			C-8305	61.5	63.5	2.0	< 1	54	85	0.5
			C-8306	63.5	65.5	2.0	< 1	35	79	0.5
			C-8307	65.5	67.5	2.0	1	59	79	0.5
			C-8308	67.5	69.5	2.0	< 1	39	95	0.5
			C-8309	69.5	71.5	2.0	< 1	18	120	0.5
			C-8310	71.5	73.5	2.0	< 1	14	86	< 0.5
			C-8311	73.5	75.5	2.0	< 1	16	45	< 0.5
			C-8312	75.5	76.3	1.8	1	13	58	< 0.5
76.3 m	80.6 m	SILICEOUS METASEDIMENTS (siltstone, quartzite) - Fine to medium	C-8313	76.3	78.3	2.0	< 1	15	74	< 0.5
		grained, light greenish gray to dark gray in colour. Foliation	C-8314	78.3	80.6	2.3	< 1	15	110	< 0.5
		at 40° - 45° to C/A. Fine muscovite (sericite) parallel to								
		foliation. At times, cherty and highly siliceous.								
80.6 m	83.4 m	METASEDIMENTS (garnet-amphibolite mudstone) - Fine to medium	C-8315	80.6	82.6	2.0	1	44	30	2.0
		grained. Dark greenish grey in colour. Highly garnetiferous and	C-8316	82.6	83.4	0.8	< 1	43	32	< 0.5
		slightly amphibolitized. Rock consists of biotite, quartz, feld-								
		spar, garnet, amphibole. Foliation 35-40° to C/A. Non-magnetic.								
		Minor sulphides (py/po), mainly stringers parallel to foliation.								
		The rock is similar to a pelite.								

GETTY MINES, LIMITED

Hole Number DL-82-18

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
83.4 m	87.5 m	SILICEOUS METASEDIMENTS (siltstone, sandstone, greywacke) - Fine	C-8317	83.4	85.4	2.0	10	32	140	0.5
		medium grained. Light greenish grey to dark greenish grey.	C-8318	85.4	86.9	1.5	1	99	240	1.5
		Slightly garnetiferous and amphibolitized. Sulphides(py/po) 1-2%.	C-8319	86.9	87.2	0.3	1	89	250	1.0
		Foliated at 35-40° to C/A. At times, cherty and highly siliceous	C-8320	87.2	87.5	0.3	<1	38	70	1.0
		Quartz feldspar porphyry (83.7-84.0, 84.3, 84.5 m). Quartz vein								
		(86.9-87.2); whitish grey in colour and containing 1-2% py in								
		fractures.								
87.5 m	91.5 m	QUARTZ FELDSPAR PORPHYRY - Medium to coarse grained. Light to	C-8321	87.5	89.5	2.0	<1	13	56	<0.5
		medium grey in colour. Highly fractured from 87.5 to 89.7 m	C-8322	89.5	91.5	2.0	<1	31	180	<0.5
		sulphides (py) less than 1%.								
91.5 m	108.5 m	SILICEOUS (CHERTY) METASEDIMENTS (siltstone, greywacke) - Fine to	C-8323	91.5	93.5	2.0	2	32	120	<0.5
		medium grained. Light greenish-grey to dark grey in colour.	C-8324	93.5	95.5	2.0	<1	63	120	0.5
		Foliation at 30-35° to C/A. Muscovite (sericite) parallel to	C-8325	95.5	97.5	2.0	<1	63	83	<0.5
		foliation. Drag fold at 92.5 m. Sulphides (po/py) <1%. Quartz	C-8326	97.5	99.5	2.0	<1	61	85	<0.5
		feldspar porphyry from 103.2 to 104.2 m with a sharp contact at	C-8327	99.5	101.5	2.0	<1	48	100	0.5
		55° to C/A.	C-8328	101.5	103.2	1.7	1	7	43	<0.5
			C-8329	103.2	104.2	1.0	<1	6.5	42	<0.5
			C-8330	104.2	106.2	2.0	2	12	170	<0.5
			C-8331	106.2	108.5	2.3	1	13	75	<0.5
108.5 m	115.2 m	CONDUCTIVE ZONE - Sulphide bearing silicified (cherty) metasedi-	C-8332	108.5	109.6	1.1	3	63	45	0.5
		ments (siltstone, intermediate tuff?) with up to 30% pyrrhotite/	C-8333	109.6	110.6	1.0	<1	24	34	<0.5
		pyrite. Very fine to fine grained. Light greenish grey to dark	C-8334	110.6	111.1	0.5	2	81	37	<0.5
		grey in colour. Laminated and banded at 40-45° to C/A. Sulphides	C-8335	111.1	111.6	0.5	<1	35	34	<0.5
		are disseminated, banded and in blebs. Slightly graphitic at	C-8336	111.6	112.1	0.5	15	82	10	2.0

GETTY MINES, LIMITED

Hole Number DL-82-18

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		111.7 m. Minor garnets.	C-8337	112.1	112.6	0.5	18	110	730	2.5
		108.5 - 110.6 m - 5-10% po/py; silicified metasediments	C-8338	112.6	113.2	0.6	12	95	6.5	<0.5
			C-8339	113.2	114.2	1.0	<1	31	71	<0.5
		110.6 - 111.6 m - 15-20% po/py; silicified metasediments	C-8340	114.2	115.2	1.0	<1	11	80	<0.5
		111.6 - 113.2 m - 25-30% po/py; one small fracture filled with chlorite.								
		113.2 - 115.2 m - 0.5% po/py; silicified metasediments similar to 108.5 - 110.6 m but with less sulphides.								
115.2 m	148.1 m	AMPHIBOLITIC SILICEOUS METASEDIMENTS (siltstone, greywacke, mafic tuff) - Fine to medium grained. Light greenish grey to dark greenish grey in colour. Laminated and banded at 35-40° to C/A.	C-8341	115.2	117.2	2.0	<1	80	40	<0.5
			C-8342	117.2	119.2	2.0	8	75	31	<0.5
			C-8343	119.2	121.2	2.0	1	65	35	<0.5
		118.95 - 119.15 m - Light grey quartzite	C-8344	121.2	123.2	2.0	<1	81	26	<0.5
		119.20 - 119.25 m - pegmalite (sweat?)	C-8345	123.2	125.2	2.0	<1	73	47	<0.5
		119.90 - 119.93 m - pegmalite	C-8346	125.2	127.2	2.0	<1	61	35	<0.5
		120.40 - 120.60 m - Light grey quartzite	C-8347	127.2	129.2	2.0	<1	46	45	<0.5
		120.60 - 120.70 m - Microgranite (aplite?)	C-8348	129.2	131.1	1.9	<1	25	39	<0.5
		120.80 - 120.90 m - Microgranite(aplite?)	C-8349	131.1	136.1	5.0	1	57	43	<0.5

GETTY MINES, LIMITED

Hole Number DL-82-18

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
			C-8350	136.1	138.1	2.0	<1	53	39	<0.5
			C-8351	138.1	140.1	2.0	<1	78	29	<0.5
115.2 m	148.1 m	121.40 - 121.50 m - pegmatite	C-8352	140.1	142.1	2.0	<1	68	31	<0.5
		129.20 - 131.10 m - quartz feldspar porphyry	C-8353	142.1	144.1	2.0	<1	50	43	<0.5
		NOTE: From 131.1 to 136.1 m core lost in transit (drill-camp);	C-8354	144.1	146.1	2.0	<1	73	57	<0.5
		only 1.20 m recuperated. Luckily, it was logged at the	C-8355	146.1	148.1	2.0	1	120	29	<0.5
		drill site.								
		136.1 - 142.7 m - Mafic tuff py <1%								
		145.7 - 147.2 m - Amphibolite (recrystallized mafic tuff)								
148.1 m		END OF HOLE								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-21

Property...DETOUR SOUTH.....
Location...144 KM N.E OF COCHRANE, ONTARIO

Grid.....C-4.....
Latitude...3+75S.....
Departure..14+00E.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....360°.....
Dip.....-55°.....
Length.....152.7 m.....
Horiz. Trace..101.0 m.....
Vert. Trace...113.5 m.....

Starting Date....MARCH 14/83.....
Completion Date..MARCH 16/83.....

Date Logged...MARCH 16-17/83.....
Logged by.....R.B. SCRATCH.....

Dip Tests		
Depth	Angle	
	Read	Actual
Collar	-55°	-55°
30.5m	-58.3°	-50°
152.7m	-52°	-43°

K Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	32.0 m	OVERBURDEN					
32.0 m	107.1 m	METASEDIMENTARY ROCK					
		- dark green to black dirty siltstone					
		- rock is massive and uniform					
		- drilling down dip as the core angle					
		varies between 0-15° to the c/a to 0-5°					
		(parallel) the average					
		- some beds 1 cm thick are extremely biotite rich					
		50% biotite suggesting rock was originally					
		more pelitic					
		- very minor 1 cm thick beds of light green tuft					
		(parallel to c/a)					
		- occasional barren qtz stringers cut core					
		- 45.6, 45.8-46.1, 48.3-48.6 there is qtz-chlorite-					
		K feldspar pyrite veinlets parallel to c/a					
		3-5 cm thick					
		- pyrite in gash fracture at 46.5					
		43.6-44.2 - thick section biotite rich (50%) sedimentary rock					
		- rock has less than 1% pyrite throughout					
		- rock is distinctly non magnetic					

GETTY MINES, LIMITED

Hole Number DL-83-21

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
32.0 m	107.1 m	cont'd					
		- rock becomes sandier (although still the same dirty					
		siltstone) and even more massive down hole					
		particularly between 66-77 m					
		- 105.7 - 105.9 - coarse grained qtz-K feldspar					
		veinlet oriented at 60° to c/a					
		- rock is monotonous and uniform throughout					
		- at 105 m bedding still closely parallels the c/a					
107.1 m	112.3 m	METASEDIMENTARY ROCK AND FELDSPAR CRYSTAL TUFF (?)					
		- the same biotite rich (30-60%) fine grained					
		pelitic metasedimentary rock as described					
		previously intercalated with grey to whitish					
		qtz feldspar crystal tuff? (this rock could					
		be a fairly clean arkosic wacke)					
		- feldspar Xtal tuff consists of 40% rounded to subhedral					
		white feldspar crystals (grains?) approx. 1-2 mm in					
		diameter to 15% biotite flakes disseminated through-					
		out set in a siliceous grey ground mass - 1% py					
		- the feldspar crystal tuff shows vague internal layering					
		but contacts well defined and parallel bedding in					
		the pelite units. contacts and layering at 0-10°					
		to c/a					
		- feldspar crystal tuff located at 107.1-107.4, 110.0-112.3					
		- pelitic rock shows minor development of aluminosilicates.					

GETTY MINES, LIMITED

Hole Number DL-83-21

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
112.3 m	152.7 m	METASEDIMENTARY ROCK									
		- similar f. gr. black biotite rich pelitic									
		metasedimentary rock as described at 32.0 - 107.1									
		intercalated with thin (2-5 cm) bands of light									
		green tuff and minor feldspar crystal tuff as									
		described at 107.1 - 112.3 m.									
		- bedding is oriented at 10-20° to c/a									
		- light green tuff bands make up 5% of section									
		- feldspar crystal tuff? (arkosic wacke?) located at									
		120.3 - 121.0 (contains 1% po)									
		- 123.6 - 123.8 - white chert to 15% biotite flakes									
		conformable to bedding in pelitic rocks									
		- white chert to biotite flakes at 125.2-125.3									
		- ground core at 129.8 - 130.1, 132.0 - 132.3, 137.3-137.5,									
		151.2-152.7									
		- qtz-feldspar-chlorite-biotite-py chemical sediment									
		at 144.3 and at 147.8 - both units are 2 cm									
		thick and conformable to bedding at 10° to c/a									
		- at base of hole bedding is at 5-10° to c/a									
		E.O.H. 152.7 m									
		NB - No samples taken									
		- conductor not explained - it would appear									
		that hole was drilled down the dip									

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-22

Property...DETOUR SOUTH.....
Location...144 KM NE OF COCHRANE, ONTARIO

Grid.....C-4.....
Latitude...0+75S.....
Departure..L2+00W.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....360°.....
Dip.....-55°.....
Length.....101.2 m.....
Horiz. Trace....59.5 m.....
Vert. Trace....81.6 m.....

Starting Date.....MARCH 18, 1983.....
Completion Date..MARCH 21, 1983.....

Date Logged..MARCH 21-22, 1983.....
Logged by.....R. SCRATCH.....

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-55°
29.6	-61.5	-53°
101.2	-61	-52.5°

K Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	29.8 m	OVERBURDEN/CASING					
29.8 m	60.9 m	METASEDIMENTARY ROCK - SILTSTONE					
		- rock is extremely homogenous and uniform throughout					
		- consists of a grey-brown quartz rich siltstone					
		which is usually massive but does display					
		bedding oriented at 10-15° to core axis					
		- approximate mineralogy 50% quartz, 50% chlorite +					
		biotite, 1% py					
		- rock distinctly non magnetic					
		- rare qtz or qtz + chlorite + py veinlets cross cut core					
		- a large qtz-chlorite-py vein located at					
		41.35-41.70 with contacts at 40° to c/a					
		- rock extremely competent with no ground core -					
		core recovery 100%					
		- fine grained medium green chlorite rich tuff					
		band at 50.5-51.0, contacts at 10° to c/a					

GETTY MINES, LIMITED

Hole Number DL-83-22

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
60.9 m	62.6 m	METASEDIMENTARY ROCK TO TUFF									
		- intercalated grey-brown siltstone (as at 29.8 - 60.9)									
		to dark green chlorite-biotite-quartz rock									
		(intermediate tuff) to 1% py									
		- contacts (bedding) at 5-10° to c/a									
		- tuff at 60.9-61.4, 61.8-62.3, 62.4-62.6									
62.6 m	87.7 m	METASEDIMENTARY ROCK - SILTSTONE									
		- as at 29.8 - 60.9 but rock is dark green -black in colour									
		due to an increase in chlorite + biotite at the									
		expense of quartz. Rock was therefore a dirtier									
		siltstone originally									
		- rock is non magnetic									
		- bedding is at 5-10° to c/a									
		- occasional 1 cm thick bands of chlorite-rich rock									
		may indicate a tuffaceous component to sedimentation									
		- 75.1 - 75.2 - rock slightly bleached and silicified to									
		light green colour									
		- rare qtz and or qtz chlorite pyrite stringers cross cut core									
		- 70.5-70.7 - qtz clots									

GETTY MINES, LIMITED

Hole Number DL-83-22

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
87.2 m	88.3 m	SILTSTONE - METASEDIMENTARY ROCK									
		- as at 62.6 - 87.2 but with ≤1 cm									
		thick beds of slightly conductive									
		material running parallel to the c/a									
		- this is non magnetic									
		- conductivity due to a bed containing py + graphite,									
		also pyrite veinlets cross cut core									
		- this unit is not responsible for the geophysical anomaly									
		- bedding at 0-5° to c/a									
88.3	101.2 m	METASEDIMENTARY ROCK - SILTSTONE									
		- as above but non conductive									
		- non magnetic									
		- grey green in colour									
		- containing 1-2% py disseminated and fracture controlled									
		- more biotite than chlorite in matrix which constitutes									
		65% of rock, qtz the remainder									
		E.O.H. 101.2 m									
		- bedding at 5-15° to c/a. Therefore hole drilled down dip									
		- conductor unexplained									
		- rock extremely competent and uniform									
		- 100% core recovery									

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-23

Property: DETOUR LAKE
Location: 144 KM. NE. COCHRANE, ONTARIO

Grid: WEST 'A' - C-5
Latitude: BL 0+00
Departure: 0+50W

Core Size: BQ
Elev. Collar:
Bearing: 250°
Dip: -55°
Length: 139.3 m
Horiz. Trace: 88 m
Vert. Trace: 107.5 m

Starting Date: MARCH 25, 1983
Completion Date: MARCH 28, 1983

Date Logged: MARCH 28, 1983
Logged by: K.S. SUTHERLAND
R. SCRATCH

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-55°
39.6 m		-55°
125.0 m		-46°

K Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	40.9 m	OVERBURDEN					
40.9 m	63.4 m	ULTRAMAFIC ROCK					
		The rock is dark green, medium to coarse					
		grained, medium hard and magnetic throughout.					
		Mineralogy consists of 30% coarse green					
		serpentine crystals and 10-20% magnetite					
		crystals (alteration). The magnetite crystals					
		occur up to 5 mm in size (at 53.0 m). No visible					
		sulphides.					
		Carbonate +serpentine + magnetite + hematite					
		veins, 1 mm to 1 cm wide occur throughout					
		5% of the unit oriented 55° to c/a.					
		Carbonate is generally in the centre of					
		the vein 2 mm wide vein at 44.8 m and a 1 cm					
		wide vein with coarse calcite crystals at					
		47.9 m,					
		Magnetite seams are present throughout 10%					
		of the rock, 1 mm to 3 mm wide, oriented					
		50° to 70° to c/a					
		Light green serpentine veins 2 mm to 5 mm					

GETTY MINES, LIMITED

Hole Number DL-83-23

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
		wide and oriented 50° to c/a axis are present in 3% of the rock					
		Blocky core: 53.3 - 53.5 m, 62.5-62.7 m					
		The rock gradually becomes finer grained down hole to 63.4 m. Lower contact marked by change in magnetism.					
63.4 m	69.7 m	METASEDIMENTARY ROCK (biotite rich siltstone)					
		The rock is green, medium soft medium to coarse grained and non-magnetic.					
		Mineralogy consists of 40-50% biotite with feldspar, chlorite, quartz. It is weakly foliated 65° to 75° to c/a. Trace sulphides are present and there is no apparent veining.					
		The rock becomes coarser grained in middle of section.					
		The core is very blocky from 65.7 to 69.7.					
		Two metres of core were lost from 64.7 to 72.4.					
		66.2 - 69.3 - A magnetic zone of mafic fine to medium grained rock containing 1% pyrrhotite and 1-3% magnetite. This unit may be contact margin of ultramafic rock.					

GETTY MINES, LIMITED

Hole Number DL-83-23

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)
69.7 m	98.6 m	ULTRAMAFIC ROCK								
		The rock is very similar to rock from 40.9 m to 63.4 m								
		The rock is medium to coarse grained,								
		dark green, medium hard and magnetic throughout								
		(magnetite)								
		Carbonate + serpentine + magnetite veins occur								
		45° to C/A at 87.4 m (1 cm wide) and	D00089	71.9	72.2	0.3	1	17	650	<0.5
		88.2 m (1 cm wide) 1% sulphide sometimes								
		associated fine magnetite seams are oriented								
		55° to 75° to c/a								
		Serpentine altered veins, rimmed by magnetite								
		crystals present 2% of rock (1 cm wide vein oriented								
		10°to C/A at 89.5 m).								
		Minor pyrite/pyrrhotite occurs on fracture surfaces								
		89.2 - 89.35 - Breccia zone consists of 2-3%								
		pyrite/pyrrhotite stringers rimming fragments								
		of host (ultramafic rock) and fragmented carbonate								
		serpentine veins (5%). Minor red hematite staining								
		rims some fragments.								
		96.6 - 98.6 - Gradational change to finer grained								
		ultramafic rock lower contact defined by change								
		in magnetism								

GETTY MINES, LIMITED

Hole Number DL-83-23

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
98.6 m	109.4 m	METASEDIMENTARY ROCK - (biotite rich impure siltstone)								
		The rock is fine to medium grained, green, non-magnetic								
		and medium soft. The unit is very similar to 63.4-								
		69.7. The rock mineralogy consists of 40-50% biotite,								
		feldspar, quartz and chlorite. There are no visible								
		sulphides. The rock is weakly to strongly foliated,								
		45° to c/a with the foliation getting stronger down								
		hole. The unit also has gradational changes in grain								
		size:								
		98.6 - 99.7 - fine grained								
		99.7-102.0 - coarse grained biotite								
		102.0 - 109.5 - finer grained, 3% thin qtz veins								
		35° to 45° to c/a								
109.4 m	116.1	CONDUCTIVE ZONE								
		Siliceous cherty sulphide bearing metasedimentary rock.								
		Rock mineralogy consists of quartz (chert), biotite,								
		minor chlorite and 15-40% pyrite/pyrrhotite. The								
		rock is hard, fine to medium grained, brown/green								
		and magnetic throughout most of the unit (where								
		pyrrhotite is present) The rock is strongly banded								
		45° to c/a (mainly quartz sulphide laminations) but								
		locally contorted and evidence of soft sediment								
		slumping. Sulphides occur as disseminations								
		veinlets and massive veins to 5 cm. Upper and								
		lower contacts are sharp								

GETTY MINES, LIMITED

Hole Number DL-83-23

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		109.4-109.6 - fine pyrite/pyrrhotite stringers	D00090	109.4	109.9	0.5	13	930	22	0.5
		and quartz bands 45° to c/a	D00091	109.9	110.4	0.5	7	1300	120	0.5
			D00092	110.4	110.9	0.5	16	1600	47	<0.5
		109.6-110.0 - chert/quartz fragments 1mm to 2 cm	D00093	110.9	111.4	0.5	11	610	31	<0.5
		subangular, also occurs in bands	D00094	111.4	111.9	0.5	21	670	37	<0.5
		15-40% pyrite/pyrrhotite, weakly contorted	D00095	111.9	112.4	0.5	16	1900	52	0.5
		laminations	D00096	112.4	112.9	0.5	130	970	63	0.5
			D00097	112.9	113.4	0.5	11	330	25	<0.5
		110.0-110.7 - 25-40% sulphide, less quartz	D00098	113.4	113.9	0.5	21	780	19	0.5
		than 109.6-110.0	D00099	113.9	114.4	0.5	50	1500	21	0.5
			D00100	114.4	114.9	0.5	8	1600	130	1.0
		110.7-112.1 - 40% quartz as band to 2 cm wide,	D00101	114.9	115.4	0.5	9	950	35	0.5
		20-40% banded sulphide more pyrrhotite in this	D00102	115.4	116.1	0.7	2	390	41	<0.5
		interval - strongly magnetic. Weakly contorted								
		and evidence of slumping from 111.4-111.6								
		112.1-112.6 - 20% quartz, 15-20% banded sulphide.								
		At 112.2 a 5 mm wide pyrite/pyrrhotite vein cross								
		cuts bedding with 3 mm offset of beds								
		112.6-116.1 - 25-30% quartz/chert as bands to								
		2 cm and as 1 mm - 5 mm subrounded fragments/grains								
		enclosed by sulphide 10% to semi massive pyrite/pyrrhotite								
		weakly contorted laminations at 114.6 m.								

GETTY MINES, LIMITED

Hole Number DL-83-23

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		At 115.1 50% quartz as banding and interlocking grains.								
		There is a decrease in quartz content at 115.4 - 5-15%								
		sulphide. A 2 cm wide massive pyrite vein 'band' with								
		py crystals to 1 cm at 115.9								
116.1 m	122.35 m	METASEDIMENTARY ROCK (impure siltstone)	D00103	116.1	116.6	0.5	4	160	20	<0.5
		The rock is grey, medium hard,	D00104	116.6	117.1	0.5	3	66	15	<0.5
		fine to medium grained and non-magnetic	D00105	117.1	117.6	0.5	6	44	16	<0.5
		It is finely banded 45° to C/A	D00106	117.6	118.1	0.5	3	62	27	<0.5
		Mineralogy consists of quartz biotite	D00107	118.1	118.6	0.5	5	44	27	<0.5
		chlorite with 1-2% disseminated sulphide	D00108	118.6	119.1	0.5	2	75	29	<0.5
		and 10% quartz bands (45° to c/a, 1 mm to 5 mm wide)	D00109	119.1	119.6	0.5	5	120	35	<0.5
		containing 1-2% sulphide	D00110	119.6	120.1	0.5	2	88	27	0.5
			D00111	120.1	120.6	0.5	9	130	30	0.5
			D00112	120.6	121.1	0.5	8	100	16	<0.5
122.35 m	123.0 m	CONDUCTIVE ZONE	D00113	121.1	121.6	0.5	4	78	19	<0.5
		Siliceous cherty sulphide bearing metasedimentary	D00114	121.6	122.35	0.75	5	69	28	<0.5
		rock. Similar to previous conductive zone	D00115	122.35	123.0	0.65	5	360	53	<0.5
		109.4 to 116.1 but less quartz and sulphide.								
		It is banded 35° to c/a and locally weakly								
		contorted. Contains 10-20% pyrite/pyrrhotite								
		and is weakly magnetic where pyrrhotite is present								
		at 122.6 1 cm wide sulphide band and at 122.7 a								
		5 mm wide massive pyrite vein cross cuts quartz								
		banding (oriented 10° to c/a)								

GETTY MINES, LIMITED

Hole Number DL-83-23

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)
123.0 m	123.9 m	METASEDIMENTARY ROCK (impure siltstone)	D00116	123.0	123.5	0.5	3	140	59	<0.5
		As from 116.1 to 122.3 m. Contains 5%	D00117	123.5	124.2	0.7	3	200	43	<0.5
		quartz bands and 1-3% sulphide veinlets								
		(and disseminations) oriented 45° to c/a								
123.9 m	124.0	CONDUCTIVE ZONE								
		A narrow width of 15-20% banded pyrite/pyrrhotite								
		and very minor quartz. Bands are oriented 45° to								
		C/A and are weakly contorted. The rock is moderately								
		magnetic due to pyrrhotite								
124.0 m	124.2 m	METASEDIMENTARY ROCK (impure siltstone)								
		As from 123.0 to 123.9 except contains								
		very minor sulphide (1-2%) and very minor								
		quartz bands (3%)								
124.7 m	124.8 m	CONDUCTIVE ZONE	D00118	124.2	124.8	0.6	9	1000	39	0.5
		Siliceous cherty sulphide bearing metasedimentary								
		rock. Contains 10% quartz and 15-25% pyrite/								
		pyrrhotite. The rock is banded 45° to C/A (at								
		128.7 35°) but locally contorted and strongly								
		magnetic due to pyrrhotite.								
124.8 m	125.2 m	METASEDIMENTARY ROCK (impure siltstone)								
		The rock is fine grained, medium hard,								
		non-magnetic and black/green. It is								
		banded 45° to C/A and contains 1-2% sulphides and very minor quartz bands.								

GETTY MINES, LIMITED

Hole Number DL-83-23

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
125.2 m	137.4 m	METASEDIMENTARY ROCK (impure siliceous siltstone)					
		The rock is grey/green, fine to medium grained,					
		medium hard and non-magnetic. Rock mineralogy					
		consists of quartz, biotite, chlorite.					
		It is banded 45° to c/a although locally					
		slump textures are evident (128.1). Much					
		of the quartz (20-40%) occurs in beds (to 3 cm wide)					
		and interlocking grains oriented 45° to c/a. 1-3%					
		sulphide (mainly pyrite) is present as fine					
		dissemination and very fine veinlets					
137.4 m	139.3 m	METASEDIMENTARY ROCK (impure siltstone)					
		The rock is fine grained, grey, medium hard					
		and non-magnetic. It is finely banded 45°					
		to C/A (locally weakly contorted). Upper					
		contact marked by change in grained size					
		and lack of quartz beds. Contains 1-2% disseminated					
		sulphide.					
	139.3 m	End of Hole					

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] RI[redacted] C[redacted]E [redacted]SA[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]ge [redacted] of [redacted]

PROJECT ABBEY MOUNTAIN WEST PROPERTY [redacted] LAKE [redacted] Date MARCH /83

DDH 83-12-5 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	As (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Sb (ppm)	Mn (ppm)	Mo (ppm)	Pb (ppm)		
D00089	72.9	72.2	0.3	1	17	650	<0.5	10	720	<1	1.1		
D00090	109.4	109.9	0.5	13	930	22	0.5						
00091	109.9	110.4	0.5	7	1800	120	0.5	130	120	2	1.4		
00092	110.4	110.9	0.5	16	1600	47	<0.5						
00093	110.9	111.4	0.5	11	610	31	<0.5	10	110	6	0.6		
00094	111.4	111.9	0.5	21	670	37	<0.5						
00095	111.9	112.4	0.5	16	1900	52	0.5	10	150	2	1.5		
00096	112.4	112.9	0.5	130	970	63	0.5						
00097	112.9	113.4	0.5	11	330	25	<0.5	10	130	<1	0.5		
00098	113.4	113.9	0.5	21	780	19	0.5						
00099	113.9	114.4	0.5	50	1500	21	0.5	10	94	5	0.8		
00100	114.4	114.9	0.5	8	1600	130	1.0						
00101	114.9	115.4	0.5	9	950	35	0.5	10	110	2	1.5		
00102	115.4	116.1	0.7	2	390	41	<0.5						
00103	116.1	116.6	0.5	4	160	20	<0.5	10	130	<1	0.4		
00104	116.6	117.1	0.5	3	66	15	<0.5						
00105	117.1	117.6	0.5	6	44	16	<0.5	10	130	1	0.2		
00106	117.6	118.1	0.5	3	62	27	<0.5						
00107	118.1	118.6	0.5	5	44	27	<0.5	10	92	3	0.2		
00108	118.6	119.1	0.5	2	75	29	<0.5						
00109	119.1	119.6	0.5	5	120	35	<0.5	10	120	2	0.1		

PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR LAKE J.V. Date MARCH/83

DC-83-23 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mn (ppm)	Mo (ppm)	[illegible] (ppm)		
D00110	119.6	120.1	0.5	2	88	27	0.5						
D00111	120.1	120.6	0.5	9	130	30	0.5	10	100	2	0.1		
00112	120.6	121.1	0.5	8	100	16	<0.5						
00113	121.1	121.6	0.5	4	78	19	<0.5	<10	120	<1	0.2		
00114	121.6	122.35	0.75	5	69	28	<0.5						
00115	122.35	123.0	0.65	5	360	53	<0.5	<10	160	<1	0.2		
00116	123.0	123.5	0.5	3	140	59	<0.5						
00117	123.5	124.2	0.7	3	200	43	<0.5	10	140	3	0.3		
00118	124.2	124.8	0.6	9	1000	39	0.5						

DRILL CORE ASSAYS

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

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppm)	Cu (ppm)	Zn (ppm)	Ag (ppm)
DL-83-23							
DO3077	105.4	105.9	0.5	9	68	22	<0.5
078	105.9	106.4	0.5	<2	100	27	<0.5
079	106.4	106.9	0.5	21	93	24	<0.5
080	106.9	107.4	0.5	3	280	30	<0.5
081	107.4	107.9	0.5	2	150	33	<0.5
082	107.9	108.4	0.5	<2	190	34	<0.5
083	108.4	108.9	0.5	<2	230	41	<0.5
084	108.9	109.4	0.5	4	116	88	0.5
085	124.8	125.3	0.5	<2	110	52	<0.5
086	125.3	125.8	0.5	<2	410	48	<0.5
087	125.8	126.3	0.5	<2	84	80	<0.5
088	126.3	126.8	0.5	<2	75	59	<0.5
089	126.8	127.3	0.5	<2	57	54	<0.5
090	127.3	127.8	0.5	<2	110	45	<0.5
091	127.8	128.3	0.5	<2	85	32	1.0
092	128.3	128.8	0.5	<2	190	40	1.0
093	128.8	129.3	0.5	<2	170	43	0.5
094	129.3	129.8	0.5	<2	190	66	0.5
095	129.8	130.3	0.5	<2	110	57	<0.5
096	130.3	130.8	0.5	<2	77	45	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-26

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

Grid.....C-9.....
Latitude....L2+00N.....
Departure...1+50E.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....270°.....
Dip.....-50°.....
Length.....242.9 m.....
Horiz. Trace..156.0 m.....
Vert. Trace...184.5 m.....

Starting Date....April 17/83.....
Completion Date. April 20/83.....

Date Logged.....April 18-21/83.....
Logged by.....R.B. Scratch....
K.S. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
20.7 m	-54.6	-46°
124.1 m	-59°	-50°
242.9 m	-60°	-51°

K Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
0.0	21.1	OVERBURDEN/CASING								
21.1	31.3	GARNETIFEROUS PO-BEARING INTERMEDIATE TUFFITE	D00244	21.1	21.6	0.5	2	76	46	0.5
		- well bedded at 70-80° to core axis	D00245	21.6	22.1	0.5	1	59	36	<0.5
		- reddish, 1-5 mm anhedral garnets developed throughout	D00246	22.1	22.6	0.5	4	79	49	<0.5
		particularly within the more mafic beds - 3 to 5% garnet	D00247	22.6	23.1	0.5	<1	110	40	<0.5
		erratically distributed throughout	D00248	23.1	23.6	0.5	2	110	60	0.5
		- contains 5% bedded po + minor py throughout but locally	D00249	23.6	24.1	0.5	<1	56	43	<0.5
		po is abundant enough to create conductive sections as at	D00250	24.1	24.6	0.5	2	99	54	<0.5
		27.5 - 28.0, 30.7 - 31.3 m.	D00251	24.6	25.1	0.5	6	140	52	0.5
		- rock consists of 1-5 cm beds of intercalated mafic	D00252	25.1	25.6	0.5	2	140	36	1.0
		chlorite + biotite rich beds with more siliceous beds	D00253	25.6	26.1	0.5	2	170	31	0.5
		dominated by quartz and plagioclase.	D00254	26.1	26.6	0.5	2	60	49	0.5
		- rock appears to be a mixture of sedimentary, chemical	D00255	26.6	27.1	0.5	2	25	46	0.5
		sedimentary and tuffaceous components - hence the term	D00256	27.1	27.6	0.5	2	43	53	0.5
		tuffite.	D00257	27.6	28.1	0.5	7	230	33	1.5
		- the conductive zones within this unit are moderate strength	D00258	28.1	28.6	0.5	2	78	43	<0.5
		but probably sufficient to account for the observed max-	D00259	28.6	29.1	0.5	6	150	52	1.0
		min + mag anomalies.	D00260	29.1	29.6	0.5	8	140	64	1.0
		- 21.1 - 24.3 is more massive than rest of section and	D00261	29.6	30.1	0.5	9	61	54	0.5
		contains less po and no garnet - this section of core is	D00262	30.1	30.6	0.5	1	72	63	0.5
		mafic to intermediate tuff	D00263	30.6	31.3	0.7	16	210	49	1.5

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		- towards the base of this section the amount of blueish chert component increases at the expense of the volcanic tuffaceous components and the lower contact is gradational with the underlying unit.								
31.3	34.4	PO-BEARING CHERTY TUFF	D00264	31.3	31.8	0.5	1	49	35	<0.5
		- chert comprises 70% of this unit with the remainder composed of chlorite rich tuff component (15%), felsic tuffaceous component (10%) and bedded po (5%).	D00265	31.8	32.3	0.5	1	35	22	<0.5
			D00266	32.3	32.8	0.5	6	47	16	<0.5
			D00267	32.8	33.3	0.5	<1	12	13	<0.5
		- bedding well preserved at 70° to 80° to core axis	D00268	33.3	33.8	0.5	1	44	27	<0.5
		- not enough po present for this section to be conductive except at 34.3 - 34.4 m.	D00269	33.8	34.4	0.6	2	45	41	<0.5
		- garnet is present but sporadically developed in patches at 31.8, 33.5, 34.0, and 34.4 m.								
34.4	34.7	FELDSPAR PORPHYRY DYKE								
		- light green, medium to coarse grained feldspar porphyry dyke, containing 50% 1-2 mm anhedral feldspar phenocrysts sit in a fine grained grey siliceous matrix								
		- feldspars are slightly altered give the light green colour								
		- both contacts conformable to bedding so this maybe a sill or crystal tuff.								
		- weak foliation at 65° to core axis.								
34.7	38.1	INTERMEDIATE TUFF								
		- medium green, fine grained, massive intermediate tuffaceous rock								
		- 1 - 2% po + py								
		- banding poorly developed at 80° to core axis.								
		- core ground at 36.4 - 35.6 m								
		- 37.6 - 38.1 m slightly coarser grained								
		- lower contact sharp at 80° to core axis								
		-								

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
38.1	39.8	PO-BEARING CHERTY TUFF					
		- distinctly different from 31.3 - 34.4 m					
		- very fine grained grey cherty rock with a mixed intermediate tuff component as at 34.7 - 38.1 m.					
		- contains 5% bedded po					
		- bedding is at 70° to core axis					
		- both contacts knife-sharp.					
39.8	45.3	INTERMEDIATE TUFF					
		- as at 34.7 - 38.1 m					
45.3	47.3	PO-BEARING METASEDIMENTARY ROCK					
		- extremely variable rock unit contaning fine grained black argillite 30%, light brown biotite bearing siliceous siltstone 40% and 30% chert all interbedded with bedding at 70-85° to core axis.					
		- contains 10% bedded po in all rock types and locally abundant enough to constitute short conductors as at 45.9 - 46.0, and 46.1 - 46.3 m.					
47.3	54.6	INTERMEDIATE TUFF					
		- medium green, fine grained massive to poorly banded intermediate tuff					
		- similar to 34.7 - 38.1 but less massive					
		- bedded at 80° to core axis					
		- chlorite + biotite dominates rock with lesser qtz + plagioclase.					
		- 1% py + po bedded and fracture controlled					
		- 49.0 - 49.5 - altered to a light green colour					
		- 54.3 - 54.5 - more felsic section					

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY				
54.6	55.9 m	GARNETIFEROUS INTERMEDIATE TUFF - as from 34.7 - 38.1 - but garnet bearing. - medium green fine grained, massive intermediate tuffaceous rock. - 1 - 2% sulphide - Pink garnets to 5 mm.									
55.9	62.4 m	FRAGMENTAL FLOW/PORPHYRY - The rock is brown/grey (with minor green bands) hard, fine to medium grained and weakly magnetic where pyrrhotite is present. The rock consists of ~ 10-15% subhedral quartz eyes (locally coroded) and euhedral feldspar crystals to 5 mm. Some crystals show a dominant orientation 80° to core axis. There is <5% biotite and 1% sulphide (disseminated and fine veinlets). The rock is weakly banded 80° to the core axis - the bands vary in width 2 mm to 2 cm but average about 1 cm. They also vary in colour - brown (biotite rich), green (alteration of feldspar ?) and white (quartz rich) 60.4 m, 61.8 m 62.2 m respectively. The rock is interupted by conformable horizons of mafic metasedimentary rock/tuff 57.2 - 57.3 m - (biotite rich) 58.5 - 58.8 m - (green minor sulphides) Upper contact well defined 80° to core axis. Lower contact well defined 80° to core axis - marked by 2 cm wide py/po	D00270	60.4	61.4	1.0	1	78	54	<0.5	
			D00271	61.4	62.4	1.0	<1	44	59	<0.5	

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY				
62.4	70.1 m	MAFIC EPICLASTIC METASEDIMENTARY ROCK/TUFF									
		The rock is fine to medium grained, green, medium soft and non-magnetic. Mineralogy consists of amphibole/feldspar with trace sulphides. The rock is moderately foliated 80° to core axis and weakly banded (fine/coarse) 80° to core axis up to 1 cm wide.									
		64.3 - 65.5 - Mudstone: very fine grained, green, soft sedimentary textures and banded 80° to core axis.									
		69.7 - qtz + blebby py/po									
		local zones of weakly magnetic rock beginning 66.2 m.									
70.1	73.0 m	SILICEOUS METASEDIMENTARY ROCK/TUFF									
		The rock is fine to medium grained grey/brown, hard and weakly magnetic throughout due to pyrrhotite. The rock mineralogy consists of quartz/chlorite/biotite with 2-3% disseminated, veinlet and blebby pyrite/pyrrhotite. The rock is banded 80° to the core axis. At 70.7 m there is a 10 cm semi-massive pyrite/pyrrhotite band (contacts 80° to core axis) that is a very good conductor.									
		71.25 - 71.4 m, 72.15 - 72.40 m and 72.43 - 72.55 m - Intermediate to Felsic Dyke or cherty tuff - hard, grey, non-magnetic greenish alteration (of feldspar ?) with <1% disseminated pyrite and 2-3% mica flakes. Weakly banded 80° to core axis.	D00272	72.0	72.5	0.5	< 1	41	52	< 0.5	
			D00273	72.5	73.0	0.5	2	140	51	0.5	
		At 72.8 a 1 cm wide graphite/py/po band									

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
73.0	75.0	CONDUCTIVE ZONE (WEAK)								
		- The rock consists of 5% graphite with 5-8% banded py/po intercalated with siliceous metasedimentary rock. The rock is fine grained and weakly magnetic and is banded (1 mm to 1 cm) 80° to the core axis. Soft sedimentary deformation textures are apparent. Individual bands of graphite and sulphide are weakly conductive.								
		73.0 - 73.6 m - Graphitic sulphide bearing rock 5-8% py/po	D00274	73.0	73.7	0.7	3	93	100	0.5
			D00275	73.7	74.1	0.4	4	140	270	0.5
		73.6 - 73.7 m - Siliceous Metasediemtary Rock 1-3% py/po banded.	D00276	74.1	74.6	0.5	6	110	520	0.5
			D00277	74.6	75.2	0.6	4	190	570	0.5
		73.7 - 75.0 - Sulphide bearing graphitic metasedimentary rock banded 80° to core axis with 5% graphite and 5-7% sulphide. Minor quartz or chert horizons to 3 cm. At 74.6 m quartz with blebby pyrrhotite (fracture filling). At 73.7 soft sedimentary slumping, boudimage of individual bands, pyrite in pressure shadow of quartz lenses.								
75.0	80.8 m	FRAGMENTAL FLOW/PORPHYRY								
		- The rock is grey/brown, hard, medium grained and non-magnetic. Rock mineralogy consists of 15-20% 1 mm to 5 mm subhedral to anhedral white feldspar phenocrysts and 10% 2 mm to 5 mm quartz (some coroded) eyes in a fine grained siliceous groundmass. There is 3% muscovite biotite (flakes to 5 mm 76.0 m). The majority of feldspar phenocrysts are stretched 80° to core axis (unit appears banded 80° to core axis). There is some bleaching associated with minor quartz veining is unit (75.6 m). At 80.6 - 80.8 lighter grey, bleached phenocrysts not distinct. Upper contact gradational over 3 cm's and lower contact sharp 80° to core axis.	D00278	75.2	76.2	1.0	<1	37	140	<0.5

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY				
80.8	84.7	SILICEOUS SILTSTONE/ARGILLITE									
		- The rock is grey, fine to medium grained medium hard and locally magnetic where pyrrhotite is present. The rock is banded 80° to the core axis. There is 1-2% sulphide as disseminations, fine layers 80° to core axis and in pressure shadows of minor quartz lenses.									
		80.8 - 81.0 - Sulphide bearing graphitic metasedimentary rock.	D00280	80.8	81.8	1.0	1	120	150	<0.5	
			D00281	81.8	82.4	0.6	3	270	29	0.5	
		84.5 - 84.7 - Cherty. Siliceous banded metasedimentary rock.									
84.7	85.8 m	CONDUCTIVE ZONE									
		- Sulphide bearing graphitic metasedimentary rock. The rock is black, fine grained and weakly magnetic with	D00282	84.5	85.0	0.5	4	140	22	<0.5	
		3-5% bodded py/po and 5% graphite. The rock is banded 80° to the core axis.	D00283	85.0	85.8	0.8	<1	150	680	0.5	
85.8	86.6 m	FRAGMENTAL FLOW/PORPHYRY									
		- as 75.0 - 80.8	D00284	85.8	86.3	0.5	<1	33	32	<0.5	
		- grey, hard fine grained with minor magnetite seams oriented 45° to the core axis.									
86.6	92.1 m	GRAPHITIC ARGILLITE									
		- The rock is black/grey fine grained medium soft and weakly magnetic where pyrrhotite is present. The rock is finely laminated 80° to core axis and contains 1-3% disseminated and finely layered py/po									
		88.8 - 89.1 - Semi-massive pyrite vein with minor carbonate - contacts 80° to core axis	D00285	89.0	90.0	1.0	5	1100	130	1.5	
		89.1 - 89.6 - Siliceous metasedimentary rock 3-5% sulphide.	D00286	91.3	92.3	1.0	9	230	2000	1.0	
		90.3 - 90.4 - cherty tuff - weakly magnetic 1% sulphide									

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
92.1	96.0 m	SILICEOUS METASEDIMENTARY ROCK/CHERTY TUFF								
		- The rock is hard, fine to medium grained with 1% blebby py/po. Sharp upper contact. Minor quartz rich lenses 92.4 - 92.5 - semi- massive pyrrhotite band 92.9 - 93.1 - graphitic argillite with 1-3% sulphide								
96.0	110.5 m	CONDUCTIVE ZONE (WEAK)								
		- Graphitic argillite (fine grained, black, weakly magnetic with 3-5% sulphide) intercalated with cherty tuff metasedimentary rock/cherty tuff (weakly magnetic 1-2% disseminated sulphide).	D00287	96.0	97.0	1.0	5	200	990	1.5
		97.7 m - A 2 cm wide pyrite lens, quartz rich lenses to 5 mm with sulphide in pressure shadow.	D00288	97.7	98.7	1.0	2	350	430	1.0
		98.0 - Laminated 75° to core axis	D00289	98.8	99.0	0.2	6	820	1100	1.5
		98.5 - 98.7 - Semi-massive pyrrhotite band with minor pyrite.	D00290	100.1	100.6	0.5	6	690	2100	1.0
		98.7 - 100.1 m - Siliceous metasedimentary rock - non-magnetic, trace sulphides.								
		100.1 - 100.2 - Semi-massive py/po band								
		100.2 - 101.1 - Graphitic argillite								
		101.1 - 103.7 - Siliceous metasedimentary rock 101.1 to 101.3 - Quartz + pyrite vein oriented 5° to core axis. At 103.2 m a quartz lens with minor pyrite.	D00291	101.1	101.2	0.10	2	580	18	<0.5
		103.7 - 105.9 - Graphitic argillite - locally very weakly magnetic (1% po) 3-5% pyrite as fine bands, round and elongate concretions. Pyrite as two colours (dark/light) in concretions.	D00292	103.3	104.3	1.0	3	59	240	<0.5
			D00293	104.9	105.9	1.0	4	80	610	< 0.5
		105.9 - 107.4 - Siliceous metasedimentary rock with 1-3% sulphide.	D00294	106.4	106.9	0.5	1	190	70	0.5
		107.4 - 108.4 - Graphitic argillite. From 108.2 to 108.4 - 10% banded sulphide, no concretions. Bands are the same thickness as previous section but are closer together	D00295	108.2	108.7	0.5	5	180	1900	0.5
		108.4 - 109.2 - Siliceous metasedimentary rock with 1-3% disseminated and blebby po/py.								
		109.2 - 109.8 - Sulphide bearing graphitic metasedimentary	D00296	109.2	109.7	0.5	10	170	1600	<0.5

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag (ppm)
		rock with 5% graphite. 3% po, 20% py - locally rock shows soft sedimentary slumping.	D00297	109.7	110.6	0.9	6	140	1800	<0.5
			D00298	110.6	111.1	0.5	1	120	170	0.5
		109.8 - 110.5 - Graphitic argillite with 10 cm wide bands of sulphide banded 70° to core axis (3-20% py/po 5:1)								
110.5	121.1 m	SILICEOUS FELSIC TUFF								
		- The rock is grey white, medium hard, fine to medium grained and magnetic throughout. The rock is weakly banded 75° to core axis and contains 3-5% pyrite/pyrrhotite as disseminations, blebs and minor veins. At 114.1 - a 10 cm wide band with 5-8% sulphide. At 114.2 - Non-magnetic, 1% sulphide, 5% mica.								
		116.3 - 117.3 - Coarser lithic fragments								
		117.3 - 118.2 - Mafic to intermediate tuff with 2 mm stretched lithic fragments with 1-3% py/po. Minor pyrite veins and fractures 20° to core axis.								
121.1	146.6 m	CONDUCTIVE ZONE (good conductor)								
		Graphitic argillite. The rock is black, fine grained, medium hard and non-magnetic. The rock is banded 60° to 70° to core axis with 5-10% pyrite as fine disseminations and laminations and concretions to 3 cm.								
		Upper contact is sharp								
		121.5 - 121.8 - Network of fine white quartz (fracture filled ?)	D00299	121.1	121.8	0.7	4	100	620	<0.5
		121.6-121.65 - 3% po, contacts 70° to core axis.								
		124.3 - laminations 60° to core axis	D00300	122.3	123.3	1.0	3	72	860	<0.5
		124.5 - semi-massive pyrite lens	D00301	123.3	124.3	1.0	4	50	640	<0.5
		124.6 - 124.8 - Felsic tuff	D00302	124.3	124.6	0.3	< 1	210	930	0.5
		125.4 - 125.8 - Intermediate porphyry with 30% phenocrysts, bleached margins to 1 cm contacts are conformable 60° to core axis.	D00303	124.8	125.4	0.6	3	190	330	0.5
		125.8 - 126.1 - Cherty zone with 3-5% py and weak quartz	D00304	125.8	126.8	1.0	6	150	1300	<0.5
		(fracture filled)	D00305	126.8	127.8	1.0	7	720	2300	0.5
		126.1 - 126.6 m - finely laminated pyrite in graphitic	D00306	127.8	128.8	1.0	5	320	2200	0.5

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		argillite, banded 60° to core axis.	D00307	128.8	129.8	1.0	11	210	1300	<0.5
		126.6 - 130.7 - Sulphide bearing graphitic metasedimentary	D00308	129.8	130.6	0.8	9	100	2200	<0.5
		rock - 5-25% py as individual beds and concretions(framboids)								
		to 2 cm. Some concretions coalesce and the pyrite is dark								
		and light (two phases of py). Quartz lenses are stretched								
		(and boudinaged) and have pyrite in pressure shadows. At								
		127.0 - Semi-massive graphite. From 128.7 - 129.1 and								
		129.7 - 129.9 - semi-massive pyrite and stretched pyrite								
		framboids 80° to core axis.								
		130.7 - 131.5 - Felsic Tuff - sharp contacts 80° to core								
		axis.								
		132.0 - 132.2 - and 132.7 - 132.8 - semi-massive py and	D00309	131.5	132.5	1.0	11	200	1000	<0.5
		py lobes to 4 cm 80°-90° to core axis.	D00310	132.5	133.5	1.0	2	280	1600	0.5
			D00311	133.5	134.5	1.0	5	110	570	<0.5
		134.3 - 134.5 m - Finely laminated 80° to 90° to core	D00312	134.5	135.5	1.0	1	100	510	<0.5
		axis with 1% disseminated sulphide.	D00313	135.5	136.5	1.0	1	87	680	<0.5
			D00314	136.5	137.5	1.0	1	180	180	<0.5
		135.1 - 136.0 m - Minor quartz lobes with 10-15% py is	D00315	137.5	138.5	1.0	3	100	790	0.5
		pressure shadows.	D00316	138.5	139.5	1.0	1	82	910	<0.5
		136.0 - 144.1 m - Graphitic argillite intercalated with	D00317	139.5	140.5	1.0	1	120	700	0.5
		siliceous siltstone (weak conductor). There is 5%	D00318	140.5	141.5	1.0	1	120	780	0.5
		graphite and 3-5% disseminated and finely laminated pyrite.	D00319	141.5	142.5	1.0	<1	100	380	<0.5
		The rock is banded 85° to core axis. From 140.1 to 141.3 m -	D00320	142.5	143.5	1.0	3	72	280	<0.5
		siliceous and slump textures 140.4 - 5-8% py	D00321	143.5	144.5	1.0	2	77	350	<0.5
		144.1 - 144.3 - increase in chert content, 20% py.	D00322	144.5	145.5	1.0	2	290	1200	0.5
		144.3 - 146.6 - Conductive zone - finely laminated sulphide	D00323	145.5	146.5	1.0	4	120	1200	0.5
		bearing graphitic metasedimentary rock with 30% graphite								
		3-5% pyrite banded 80° to core axis. There are minor quartz								
		lenses 145.3 - 145.4 - weakly magnetic (po). Sharp lower								
		contact.								

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
146.6	173.3 m	SILTSTONE/ARGILLITE	D00324	146.5	147.5	1.0	1	34	140	<0.5
		The rock is grey, fine grained, locally weakly magnetic and finely bedded 70° to 80° to core axis. Rock mineralogy consists quartz/biotite/chlorite with brown biotitic bands to 1 cm. Slump fractures at 167.5 m.								
		From 165.2 - 167.3 m - coarser grained brown biotitic bands (80° to core axis) to 5 cm. Contacts gradational. Lower contact sharp - marked by py/po lens.	D00325	172.8	173.3	0.5	2	20	89	<0.5
73.3	197.2 m	CONDUCTIVE ZONE								
		Cherty sulphide bearing rock. The rock is grey, hard, chine grained and magnetic. It is moderately banded (quartz/sulphide/chlorite) 80° to core axis but locally contorted. The rock contains 15-25% pyrrhotite and 5% pyrite with minor graphitic horizons.								
		173.3 - 173.65 - and 174.9 - 175.2 - Semi-massive pyrrhotite lens with angular cherty fragments to 1 cm.	D00326	173.3	173.8	0.5	11	78	98	0.5
			D00327	173.8	174.3	0.5	64	77	580	1.5
			D00328	174.3	174.8	0.5	13	67	310	1.5
		175.5 - 175.9 m - cherty/quartz rich horizon, non-magnetic with 1-3% sulphide	D00329	174.8	175.3	0.5	14	94	140	0.5
			D00330	175.3	175.8	0.5	4	27	35	0.5
			D00331	175.8	176.3	0.5	27	72	21	1.0
		175.9 - 176.5 m - 20-25% po, 5% py, irregular orientation of beds.	D00332	176.3	176.8	0.5	11	26	27	0.5
			D00333	176.8	177.3	0.5	3	28	23	1.0
			D00334	177.3	177.8	0.5	6	40	13	1.0
		176.5 - 178.9 m - Cherty/siliceous rock - coarse grained quartz (re-crystallized ?) banded 80° to core axis but local deformed and beds offset. Contains 3-5% py/po	D00335	177.8	178.3	0.5	5	17	6	0.5
			D00336	178.3	178.8	0.5	2	9	4	<0.5
			D00337	178.8	179.3	0.5	2	7.5	2.5	<0.5
			D00338	179.3	179.8	0.5	7	13	4	<0.5
		178.9 - 179.9 m - Coarse quartz (interlocking crystals) with 1-3% sulphide. Contains a 30 cm long vuggy pyrite vein oriented 10° to core axis.	D00339	179.8	180.3	0.5	2	5.5	3.0	<0.5
			D00340	180.3	180.8	0.5	26	62	7.5	2.5
			D00341	180.8	181.3	0.5	2	13	4.5	<0.5
			D00342	181.3	181.8	0.5	5	19	7.5	0.5
			D00343	181.8	182.3	0.5	2	20	6	0.5
			D00344	182.3	182.8	0.5	2	11	7.5	<0.5

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppm)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		179.9 - 190.3 m - Cherty/Siliceous rock with 8-10% py/	D00345	182.8	183.3	0.5	4	19	6.5	1.0
		po as fine beds and disseminated. The rock is banded -	D00346	183.3	183.8	0.5	2	10	5.5	<0.5
		quartz 1 cm - 3 cm, chlorite <5 mm and sulphide <3 mm.	D00347	183.8	184.3	0.5	2	9.5	3.5	<0.5
		Minor garnets present throughout unit.	D00348	184.3	184.8	0.5	2	14	5	0.5
		Vuggy pyrite vein 180.1 - 180.2 m and 180.5 - 180.6 m.	D00349	184.8	185.3	0.5	7	32	12	1.0
			D00350	185.3	185.8	0.5	1	9.5	3	0.5
		190.3 - 191.4 m - Fragmental Flow/Porphyry - The	D00351	185.8	186.3	0.5	3	12	3.5	0.5
		rock is grey, hard with 15% phenocrysts. Upper contact	D00352	186.3	186.8	0.5	8	9.5	5	1.0
		is garnetiferous. Trace sulphides.	D00353	186.8	187.3	0.5	31	44	9	4.0
			D00354	187.3	187.8	0.5	24	41	14	1.5
		191.4 - 197.2 m - Garnetiferous Cherty Metasedimentary	D00355	187.8	188.3	0.5	2	29	24	1.5
		Rock. The rock is green.grey, medium soft chine to medium	D00356	188.3	188.8	0.5	13	13	9.5	<0.5
		grained and magnetic. It contains 10-15% pink 1 mm to 8mm	D00357	188.8	189.3	0.5	2	9.5	11	<0.5
		garnets that locally coalesce. There is 10-15% py/po	D00358	189.3	189.8	0.5	2	7	4.5	<0.5
		(1:10) as lenses to 2 cm. From 191.4 - 191.8 - garnet	D00372	189.8	190.3	0.5	9	22	15	1.0
		vein, ptygmoidal to 2 cm wide oriented parallel to the	D00359	190.3	191.3	1.0	4	12	32	0.5
		core axis. The rock is strongly magnetic from 191.4 -	D00360	191.3	191.8	0.5	1	9.5	32	1.0
		196.2 m. At 196.2 - less sulphides, rock is grey.	D00361	191.8	192.3	0.5	47	28	11	0.5
			D00362	192.3	192.8	0.5	12	54	15	0.5
197.2	242.9 m	FELSIC TUFF	D00363	192.8	193.3	0.5	2	28	15	0.5
		The rock is grey/white, medium hard to medium soft, fine	D00364	193.3	193.8	0.5	6	24	21	0.5
		to coarse grained and non-magnetic (except locally	D00365	193.8	194.3	0.5	1	22	19	0.5
		within garnet bearing horizons). The rock is banded	D00366	194.3	194.8	0.5	10	10	34	0.5
		70° to core axis and individual bands vary in hardness,	D00367	194.8	195.3	0.5	8	12	55	0.5
		width (1 mm to 1 cm) and colour/grey/white). Good	D00368	195.3	195.8	0.5	4	13	79	0.5
		examples of fiamme are present with quartz eyes felsic	D00369	195.8	196.3	0.5	29	13	120	0.5
		and mafic fragments <1 mm to <3 mm locally stretched.	D00370	196.3	196.8	0.5	3	8	69	0.5
		There is 5% pink <2 mm garnets throughout the rock as								
		well as in unconformable garnetiferous horizons with up	D00371	196.8	197.8	1.0	7	10	49	0.5
		to 60% garnets. There is minor sericitic alteration								
		locally and minor quartz lens. There is <1% sulphide								
		throughout the unit.								
		Garnet bearing horizons - pink garnets to 8 mm locally.								
		stretch is green (chloritic) rock that is weakly magnetic								
		with 1-2% py/po.								

GETTY MINES, LIMITED

Hole Number DL-83-26

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		208.8 - 209.2 m, 209.3 - 209.9 m, 210.1 - 210.6 m, 211.2 - 211.5m, 221.0 - 221.6 m, 222.4 - 222.6 m								
		217.5 - 217.7 - White quartz lens, no accessory mineralization.	D00373	217.4	217.6	0.2	1	4	10	<0.5
		217.7 - 219.7 - Good example of Felsic Tuff - soft sericitized, white, mica, quartz and mafic fragments, contacts are gradational								
		219.7 - 220.7 - fine grained, grey with 5% garnets and minor quartz rich banding								
		240.6 - 242.4 - Mafic Dyke ? Medium grained, grey rock, non-magnetic with 1% sulphide, Contains 30% (quartz) feldspar and 50-60% mafic minerals.								
		242.4 - 249.2 - Felsic Tuff - weakly magnetic								
242.9 m		END OF HOLE								

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic belt. PROPERTY Detour Lake J.V. Date May 183

DL-83-26. 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)		
00244	21.1	21.6	0.5	2	76	46	0.5						
00245	21.6	22.1	0.5	1	59	36	<0.5	10	420	<1	0.4		
00246	22.1	22.6	0.5	4	79	49	<0.5						
00247	22.6	23.1	0.5	<1	110	40	<0.5	25	440	<1	0.4		
00248	23.1	23.6	0.5	2	110	60	0.5						
00249	23.6	24.1	0.5	<1	56	43	<0.5	25	520	<1	0.4		
00250	24.1	24.6	0.5	2	99	54	<0.5						
00251	24.6	25.1	0.5	6	140	52	0.5	10	490	<1	0.4		
00252	25.1	25.6	0.5	2	140	36	1.0						
00253	25.6	26.1	0.5	2	170	31	0.5	25	420	<1	0.4		
00254	26.1	26.6	0.5	2	60	49	0.5						
00255	26.6	27.1	0.5	2	25	46	0.5	25	650	<1	0.6		
00256	27.1	27.6	0.5	2	43	53	0.5						
00257	27.6	28.1	0.5	7	230	33	1.5	10	4160	<1	0.4		
00258	28.1	28.6	0.5	2	78	43	<0.5						
00259	28.6	29.1	0.5	6	150	52	1.0	10	220	<1	0.4		
00260	29.1	29.6	0.5	8	140	64	1.0						
00261	29.6	30.1	0.5	9	61	54	0.5	10	310	<1	0.6		
00262	30.1	30.6	0.5	1	72	63	0.5						
00263	30.6	31.3	1.3	16	210	49	1.5	10	470	1	0.9		
00264	31.3	31.8	0.5	1	49	35	<0.5						
00265	31.8	32.3	0.5	1	35	22	<0.5	<10	610	<1	0.7		

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic belt. PROPERTY Detour Lake S.V. Date 2 8 May 83

DL-83-26 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mn (ppm)	Mo (ppm)	Pb (ppm)	
00266	32.3	32.8	0.5	6	47	16	<0.5					
00267	32.8	33.3	0.5	<1	12	13	<0.5	10	540	<1	0.7	
00268	33.3	33.8	0.5	1	44	27	<0.5					
00269	33.8	34.4	0.6	2	45	41	<0.5	10	570	.1	0.9	
00279	59.8	59.9	0.10	1	78	54	<0.5	50	360	<1	0.6	
00270	60.4	61.4	1.0	<1	44	59	<0.5					
00271	61.4	62.4	1.0	<1	41	52	<0.5	50	330	<1	0.9	
00272	72.0	72.5	0.5	2	140	51	0.5					
00273	72.5	73.0	0.5	3	93	100	0.5	25	200	1	5.1	
00274	73.0	73.7	0.7	4	140	270	0.5					
00275	73.7	74.1	0.4	6	110	520	0.5	50	530	3	1.1	
00276	74.1	74.6	0.5	4	190	570	0.5					
00277	74.6	75.2	0.6	<1	37	140	<0.5	30	420	6	41.3	
00278	75.2	76.2	1.0	3	20	65	<0.5					
00280	80.8	81.8	1.0	1	120	150	<0.5					
00281	81.8	82.4	0.6	3	270	29	0.5	25	140	6	1.2	
00282	84.5	85.0	0.5	4	140	22	<0.5					

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic Belt. PROPERTY Detour Lake J.V. Date May 83.

DL-83-26 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)	
00283	85.3	85.8	0.5	<1	150	680	0.5	50	86	4	8.9	
00284	85.8	86.3	0.5	<1	33	32	<0.5					
00285	89.0	90.0	1.0	5	1100	130	1.5	<10	240	3	110.0	
00286	91.3	92.3	1.0	9	230	2000	1.0					
00287	96.0	97.0	1.0	5	200	990	1.5	50	290	2	25.0	
00288	97.7	98.7	1.0	2	350	430	1.0					
00289	98.8	99.0	0.2	6	820	1100	1.5	<10	260	1	1.5	
00290	100.1	100.6	0.5	6	690	2100	1.0					
00291	101.1	101.2	0.1	2	580	18	<0.5	<10	92	<1	560.0	
00292	103.3	104.3	1.0	3	59	240	<0.5					
00293	104.9	105.9	1.0	4	80	610	<0.5	10	280	3	100.0	

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic belt PROPERTY Detour Lake J.V Date May 83

DL-83-26 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mn (ppm)	Mo (ppm)	Pb (ppm)	
00294	106.4	106.9	0.5	1	190	70	0.5					
00295	108.2	108.7	0.5	5	180	110	0.5	<10	250	3	200.0	
00296	109.2	109.7	0.5	10	170	1000	<0.5					
00297	109.9	110.6	0.7	6	140	1800	<0.5	10	390	3	150.0	
00298	110.6	111.1	0.5	1	120	170	0.5					
00299	121.1	121.8	0.7	4	100	620	<0.5	10	270	11	130.0	
00300	122.3	123.3	1.0	3	72	860	<0.5					
00301	123.3	124.3	1.0	4	50	640	<0.5	10	310	9	130.0	
00302	124.3	124.6	0.3	<1	210	930	0.5					
00303	124.8	125.4	0.6	3	190	330	0.5	10	320	3	720	
00304	125.8	126.8	1.0	6	150	1300	<0.5					
00305	126.8	127.8	1.0	7	720	2300	0.5	<10	320	22	140.0	
00306	127.8	128.8	1.0	5	320	2200	0.5					
00307	128.8	129.8	1.0	11	210	1300	<0.5	<10	140	8	430.0	

PROJECT Abitibi Volcanic belt PROPERTY Detour Lake J.V. Date May 1983

DL-83-26 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mn (ppm)	Mo (ppm)	Ni (ppm)	
00308	129.8	130.6	.8	9	100	2200	<0.5					
00309	131.5	132.5	1.0	11	200	1000	<0.5	<10	200	7	360.0	
00310	132.5	133.5	1.0	2	280	1600	0.5					
00311	133.5	134.5	1.0	5	110	570	<0.5	<10	280	5	200.0	
00312	134.5	135.5	1.0	1	100	510	<0.5					
00313	135.5	135.6	.10	1	87	680	<0.5	25	200	7	130.0	
00314	135.6	137.5	1.9	1	180	180	<0.5					
00315	137.5	138.5	1.0	3	100	790	0.5	25	320	9	130.0	
00316	138.5	139.5	1.0	1	82	910	<0.5					
00317	139.5	140.5	1.0	1	120	700	0.5	50	340	5	130.0	
00318	140.5	141.5	1.0	1	120	780	0.5					
00319	141.5	142.5	1.0	<1	100	380	<0.5	75	190	8	85.0	
00320	142.5	143.5	1.0	3	72	280	<0.5					
00321	143.5	144.5	1.0	2	77	530	<0.5	25	200	7	180.0	
00322	144.5	145.5	1.0	2	290	120	0.5					
00323	145.5	146.5	1.0	4	120	1200	0.5	25	320	12	120.0	
00324	146.5	147.5	1.0	1	34	140	<0.5					
00325	172.8	173.3	.5	2	20	89	<0.5	100	150	1	14.0	
00326	173.3	173.8	.5	11	78	98	0.5					
00327	173.8	174.3	.5	64	77	580	1.5	200	210	6	23.0	

DRILL CORE ASSAYS

OJECT Abitibi Volcanic Belt PROPERTY Detour Lake J.V Date May 83

DL-83-26. ILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mn (ppm)	Mo (ppm)	Pb (ppm)	
00328	174.3	174.8	0.5	13	67	310	1.5					
00329	174.8	175.3	0.5	14	94	140	0.5	<10	100	1	8.5	
00330	175.3	175.8	0.5	4	27	35	0.5					
00331	175.8	176.3	0.5	27	72	21	1.0	10	400	3	2.7	
00332	176.3	176.8	0.5	11	26	27	0.5					
00333	176.8	177.3	0.5	3	28	23	1.0	25	440	3	43.0	
00334	177.3	177.8	0.5	6	40	13	1.0					
00335	177.8	178.3	0.5	5	17	6	0.5	50	140	<1	2.4	
00336	178.3	178.8	0.5	2	9	4	<0.5					
00337	178.8	179.3	0.5	2	7.5	2.5	<0.5	25	100	<1	2.1	
00338	179.3	179.8	0.5	7	13	4	<0.5					
00339	179.8	180.3	0.5	2	5.5	3	<0.5	50	86	<1	1.9	
00340	180.3	180.8	0.5	26	62	7.5	2.5					
00341	180.8	181.3	0.5	2	13	4.5	<0.5	25	350	<1	2.4	
00342	181.3	181.8	0.5	5	19	7.5	0.5					
00343	181.8	182.3	0.5	2	20	6.0	0.5	25	330	1	3.2	
00344	182.3	182.8	0.5	2	11	7.5	<0.5					
00345	182.8	183.3	0.5	4	19	6.5	1.0	25	400	<1	3.2	
00346	183.3	183.8	0.5	2	10	5.5	<0.5					
00347	183.8	184.3	0.5	2	9.5	3.5	<0.5	25	160	<1	2.1	
00348	184.3	184.8	0.5	2	14	50	0.5					
00349	184.8	185.3	0.5	7	32	12	1.0	10	550	1	2.4	

DRILL CORE ASSAYS

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OJECT Abitibi Volcanic belt PROPERTY Detour Lake J.V. Date May 1983

DL-83-26. ILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Pb (ppm)	Mn (ppm)	Mo (ppm)	As (ppm)	
00350	185.3	185.8	0.5	1	9.5	3	0.5					
00351	185.8	186.3	0.5	3	12	3.5	0.5	10	4600	1	2.7	
00352	186.3	186.8	0.5	8	9.5	5	1.0					
00353	186.8	187.3	0.5	31	44	9	4.0	10	2700	7	4.8	
00354	187.3	187.8	0.5	24	41	14	1.5					
00355	187.8	188.3	0.5	2	29	24	1.5	10	8200	6	1.3	
00356	188.3	188.8	0.5	13	13	9.5	<0.5					
00357	188.8	189.3	0.5	2	9.5	11	<0.5	10	560	3	1.3	
00358	189.3	189.8	0.5	2	7	4.5	<0.5					
00372	189.8	190.3	0.5	4	12	32	0.5					
00359	190.3	191.3	1.0	1	9.5	32	1.0	25	1700.0	<1	6.3	
00360	191.3	191.8	0.5	47	28	11	0.5					
00361	191.8	192.3	0.5	12	54	15	0.5	<10	990	2	4.8	
00362	192.3	192.8	0.5	2	28	15	0.5					
00363	192.8	193.3	0.5	6	24	21	0.5	<10	920	2	2.4	
00364	193.3	193.8	0.5	<1	22	19	0.5					
00365	193.8	194.3	0.5	10	10	34	0.5	<10	910	3	3.7	
00366	194.3	194.8	0.5	8	12	55	0.5					
00367	194.8	195.3	0.5	4	13	79	0.5	<10	1200	2	1.9	
00368	195.3	195.8	0.5	29	13	120	0.5					
00369	195.8	196.3	0.5	3	8	69	0.5	10	1000	2	1.1	
00370	196.3	196.8	0.5	7	10	49	0.5					

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic belt. PROPERTY Detour Lake J.V. Date May 1983

DL-83-26 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)	
00371	196.8	197.3	.5	9	22	15	1.0	50	420	11.0	2.1	
00373	217.4	217.6	.2	1	4	10	<0.5	75	64	<.1	0.2	
00374	236.9	237.0	.1	1	12	18	<0.5					

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-27

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

Grid.....C-10.....
Latitude....L2+00N.....
Departure...1+00E.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....270°.....
Dip.....-50°.....
Length.....111.9 m.....
Horiz. Trace.....70.6 m.....
Vert. Trace.....86.3 m.....

Starting Date...May 3, 1983.....
Completion Date.May 7, 1983.....

Date Logged....May 6, 1983.....
Logged by.....K.S.Sutherland...

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
47.5 m	-59°	-50.5°
119 m	-59°	-50.5°

K.Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0	47.3 m	OVERBURDEN - large boulders, boulders, sand					
47.3	62.1 m	INTERMEDIATE TO FELSIC TUFF The rock is grey, fine to medium grained hard and non-magnetic. It contains 15-25% fragments from 1 mm to 3 mm that are stretched 80°-90° to core axis (quartz feldspar). The rock is banded 1 mm to 2 cm wide; alternating dark and light bands oriented 80° to 90° to the core axis. There is trace sulphide. The rock is locally bleached or silicified (61.7 - 62.0 m) with a green colouration (alteration of feldspar ? 51.5 m). Minor fractures and fine bleached veins are present throughout 1-3% of the rock oriented 20° to 40° to the core axis - local bleaching of veins is apparent. Mafic Tuff/Epiclastic Metasedimentary Rock from 48.9-49.4 m and 50.4-50.8 m. The rock is dark, non-magnetic weakly banded 90° to core axis.					

GETTY MINES, LIMITED

Hole Number DL-83-27

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		Upper and lower contacts are well defined. A 5 mm wide garnetiferous band with pink 2 mm garnets is located at 60.9 m.	D00553	61.1	62.1	1.0	1	26	67	0.5
62.1	65.7 m	CONDUCTIVE ZONE Sulphide-bearing siliceous metasedimentary rock. The rock is grey/green medium hard fine to medium grained and strongly magnetic. Rock mineralogy consists of quartz/chlorite/biotite/ sulphide and minor carbonate. There is 15-25% pyrite/pyrrhotite as disseminations and laminations (locally contorted) with 20% quartz. The rock is weakly banded 80-90° to core axis but sulphide bands are oriented 45° to core axis at 62.9 m. (Fold ?). A drag fold is present in laminations at 62.9 m. Semi-massive pyrrhotite at 63.6 contains host rock, fragments and minor carbonate. Upper contact is sharp 85° to core axis and lower contacts defined 80° to core axis. The strongest part of the conductor is 63.1-63.9 m due to the higher percentage of sulphide (20% py/po-1:5)								
		62.1 - 63.9 m - Sulphide bearing siliceous meta-sedimentary rock with 20(-25% locally) py/po, 1:5	D00554	62.1	62.6	0.5	7	59	9.5	1.0
			D00555	62.6	63.1	0.5	7	72	13	1.0
			D00556	63.1	63.6	0.5	19	59	11	1.0
		63.9 - 64.2 m - Garnet bearing horizons - non-conductive very weakly magnetic with 5-8° 1 mm-2 mm pink garnets, the rock is banded 85° to core axis	D00557	63.6	64.1	0.5	8	64	45	1.0
		64.2 - 64.4 m - Felsic Tuff	D00558	64.1	64.6	0.5	2	45	94	<0.5
		64.4 - 64.5 m - Laminated py/po 80° to core axis	D00559	64.6	65.1	0.5	3	44	47	<0.5
			D00560	65.1	65.7	0.6	7	69	100	1.0

GETTY MINES, LIMITED

Hole Number DL-83-27

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		64.5 - 65.7 m - Siliceous sulphide bearing meta-sedimentary rock. The rock contains 30-50% quartz/chert and 10-15% disseminated laminated and veined (to 5 mm) pyrite/pyrrhotite (5:1). Banded 80° to core axis at 65.0 m - 8 mm wide pyrrhotite vein oriented 50° to core axis. At 65.3 m - a pyrite with minor pyrrhotite vein ≤ 1 cm wide oriented 45° to the core axis and contains quartz fragments to 3 mm. At 65.6 a 3 cm wide pyrite/pyrrhotite lens								
65.7	67.8	INTERMEDIATE TO FELSIC TUFF as from 47.3 to 62.1 m - the rock is banded 80° to core axis - trace sulphide - 66.9 to 67.5 m - cherty silicified, white pale pink in colour, hard, non-magnetic trace sulphide. Upper and lower contacts are gradational over 1 or 2 cm's.	D00561	65.7	66.7	1.0	2	14	43	< 0.5
67.8	72.8 m	SILTSTONE/SILICEOUS SILTSTONE The rock is grey/brown, fine to medium grained and locally very weakly magnetic. Rock minerology consists of biotite/feldspar/quartz/chlorite. The rock is banded 1 mm to 5 mm wide bands oriented 80° to the core axis. Locally soft sediment deformation textures are apparent 72.2. Graded bedding is present in some beds but no top determination could be made. There is 5-8% ≤1 mm to 1 mm pink garnets present throughout the unit. 69.2 - 69.4 - Quartz vein oriented parallel to the core axis but contains no accessory mineralization.								

GETTY MINES, LIMITED

Hole Number DL-83-27

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)
72.8	104.0	MAFIC VOLCANIC ROCK (RECRYSTALLIZED ?)								
		The rock is green, medium hard, medium to coarse grained and non-magnetic. There is trace sulphide and the upper contact is well defined 90° to the core axis. Mineralogy consists of 60% green subhedral amphibole crystals to 8 mm in size. There is very minor <5 mm quartz rich veining throughout the rock.	D00562	104.5	105.5	1.0	1	120	44	0.5
104.0	105.5	FELDSPAR PORPHYRY								
		The rock is grey/black, hard, and locally weakly magnetic. Rock mineralogy consists of 30% white anhedral to subhedral white feldspar phenocrysts in a fine grained black groundmass. There is trace disseminated sulphide (py/po) and minor quartz/feldspar ? veins 2 mm - 5 mm wide oriented 40° to 50° to the core axis. The vein contacts are not distinct and appear bleached.								
105.5	109.2	MAFIC VOLCANIC ROCK (Recrystallized)								
		The rock is green, medium grained, medium hard and non-magnetic. There is trace sulphides throughout and no apparent veining. Coarse amphibole (green) crystals constitute 60% of the rock with 40% plagioclase..								
		The upper contact is well defined 90° to the core axis.								
		(as from 72.8 0 104.0 m)								
109.2	111.9	METASEDIMENTARY ROCK								
		The rock is fine grained, grey-green medium soft and locally very weakly magnetic (due to pyrrhotite)	D00563	109.1	109.6	0.5	3	190	390	1.0
		The rock is slightly porous and there is no apparent banding. Approximately 2-3% pyrite and 1% pyrrhotite are present in the rock. The	D00564	109.6	110.1	0.5	4	240	600	1.0
			D00565	110.1	110.6	0.5	1	48	160	0.5
			D00566	110.6	111.1	0.5	3	69	70	1.0
			D00567	111.1	111.9	0.5	2	74	40	1.0

GETTY MINES, LIMITED

Hole Number DL-83-27

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		pyrrhotite occurs as fine stringers oriented					
		35° to 45° to the core axis. A red mineral					
		(hematite ?) is present up to 1% as ≤2 mm blebs.					
		The upper contact is well defined 80° to the					
		core axis.					
111.9		END OF HOLE.					

[redacted]RIL[redacted]CO[redacted] A[redacted]SAY[redacted] Page [redacted] of [redacted]

PROJECT Dentoni (Nome) Bell   PROPERTY Duane Lake JV   Date May 1983

DL-83-27 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Pb (ppm)	Hg (ppm)	Mn (ppm)	As (ppm)		
00553	61.1	62.1	1.0	1	26	67	0.5	25	<1	490	41.9		
00554	62.1	62.6	0.5	7	59	95	1.0	—	·		—		
00555	62.6	63.1	0.5	7	72	13	1.0	<10	<1	2900	0.9		
00556	63.1	63.6	0.5	19	59	11	1.0	—	-	-	-		
00557	63.6	64.1	0.5	8	64	45	1.0	<10	<1	3700	0.3		
00558	64.1	64.6	0.5	2	45	94	<0.5	—	-		—		
00559	64.6	65.1	0.5	3	44	47	<0.5	25	1	240	13.0		
00560	65.1	65.7	0.6	7	69	100	1.0	—	·	-	—		
00561	65.7	66.7	1.0	2	14	43	<0.5	25	<1	420	2.1		
00562	104.5	105.5	1.0	1	120	44	0.5	-	·		—		
00563	109.1	109.6	0.5	3	190	390	1.0	10	<1	520	0.2		
00564	109.6	110.1	0.5	4	240	600	1.0	--			-		
00565	110.1	110.6	0.5	1	48	160	0.5	10	<1	4150	0.2		
00566	110.6	111.1	0.5	3	69	70	1.0	-		-	-		
00567	111.1	111.9	0.8	2	74	40	1.0	10	<1	480	0.6		

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-30

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

Grid.....13
Latitude.....L2+00W
Departure.....0+25S

Core Size.....BQ
Elev. Collar.....
Bearing.....341°
Dip.....-50°
Length.....167.9 m
Horiz. Trace.....108 m
Vert. Trace.....128 m

Starting Date..April 11/83
Completion Date.April 13/83

Date Logged.....April 11-13/83
Logged by.....R.B. Scratch

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50
15.2m	-57.6	-49
130.1m	-58	-49.5
167.6m	-57.25	-48.5

K Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	15.0 m	OVERBURDEN/CASING					
15.0 m	20.4 m	INTERMEDIATE VOLCANIC ROCK					
		- medium green, fine to medium grained, massive intermediate					
		metavolcanic rock					
		- in short sections 1-2 mm size amphibole crystals					
		have formed					
		- 1% po disseminated and fracture controlled makes rock					
		slightly magnetic					
		- crosscut by occassional qtz-chlorite veinlet					
		- rock has no internal structure					
		- core ground at 15.7-15.9 m					
		- 10% brown biotite at 19.4-19.6 m					

GETTY MINES, LIMITED

Hole Number DL-83-30

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
20.4 m	22.1 m	MAFIC TO INTERMEDIATE TUFF					
		- light green to brown, fine grained, well bedded					
		mafic to intermediate tuff					
		- bedding oriented at 65° to c/a					
		- 21.7-22.0 - irregular qtz-calcite fractures					
		-21.6-21.8 - 5% blotchy garnet developed					
22.1 m	24.5 m	FELDSPAR PORPHYRY DYKE					
		- coarse grained grey feldspar porphyry dyke					
		- upper contact at 70° to c/a					
		- lower contact at 45° to c/a					
		- contains 40% white, 1-2 mm anhedral					
		feldspar crystals in a fine grained grey					
		matrix of qtz feld., 15% biotite					
		- short sections of mafic to intermediate as					
		above at 22.5-22.7					
		23.8-24.15 contains 15% - 1 mm					
		sized alumino silicate mineral					
24.5 m	29.3 m	MAFIC TO INTERMEDIATE TUFF					
		- as at 20.4-22.1 m					
		-25.5-27.4 contains 5% sporadic development of 2.5 mm					
		sized anhedral garnet					
		- 1% py+po disseminated through core					
		- bedding at 65° to c/a					

GETTY MINES, LIMITED

Hole Number DL-83-30

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
29.3 m	31.75 m	FELDSPAR PORPHYRY DYKE					
		- as at 22.1-24.5 m					
		- lower contact irregular with heavy development					
		of actinolite-chlorite-po (chilled margin)					
		- short section of mafic to intermediate tuff as					
		above at 31.2-31.45 m					
31.75 m	55.2 m	MAFIC TO INTERMEDIATE TUFF					
		- as at 20.4-22.1 m					
		- heavy po at 31.75-31.85, 33.9, 34.5, 34.7, 35.8					
		- in some sections the presence of brown biotite					
		suggests a sedimentary component					
		- rock is magnetic and contains 3% po throughout					
		- bedding is at 65° to c/a					
		- 30% calcite is irregular veinlets crosscutting					
		core at 36.6-41.1					
		- po more abundant higher in this section than towards base					
55.2	58.05	INTERMEDIATE LAPILLI TUFF					
		- dark green, fine grained intermediate tuff					
		containing grey siliceous angular to subrounded					
		fragments of more felsic materials					
		- fragments range in size 2 mm - 2 cm and some appear					
		to have been squashed suggesting that originally					
		the material may have been pumice.					
		- white aluminosilicate developed at 56.9-57.3					
		- 1% py+po					

GETTY MINES, LIMITED

Hole Number DL-83-30

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
		- bedding at 65° to c/a									
		- 5% garnet at 57.7-57.9 m									
58.05 m	84.5 m	INTERMEDIATE TUFF									
		- medium green fine grained intermediate tuff									
		- rock bedded but not as distinct as previous									
		tuffaceous sections owning to uniform composition									
		- contains 3% po, minor py as beds, blebs, disseminations									
		and occassionally as sulphide fragments									
		- short felsic section at 65.0-65.5 m									
		- bedding at 80° to c/a									
		- aluminosilicate development at 65.8-68.3 m									
		- reddish garnet developed at 70.2-70.7 m									
		- this rock throughout consists of alternations of									
		medium green tuff with lighter green material									
		presumably more felsic - these bands are irregular									
		in shape but principally controlled by bedding									
84.5	85.9	BANDED FELSIC TUFF									
		- well banded light green to cream coloured fine									
		grained Felsic Tuff gradational upwards into									
		overlying unit									
		- this section has a few 1-2 mm bands of black argillite									
		- bedding is at 75° to c/a									
		- 1% po+py									

GETTY MINES, LIMITED

Hole Number DL-83-30

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Cu	ASSAY Zn	ASSAY Au	ASSAY Ag
85.9 m	104.7 m	BLACK ARGILLITE INTERBEDDED WITH FELSIC ASH TUFF								
		- contains very fine grained black argillite interbedded								
		with 1 cm abundant fine grained grey siliceous felsic								
		ash tuff								
		- rock well bedded a 80° to ca								
		- approx. 70% black argillite, 30% felsic ash tuff								
		- contains 3% py + po (iii) bedded and disseminated								
		throughout								
		- sedimentary structures well preserved indicating								
		some units (usually felsic ash tuff rich) have								
		slumped - top not recognized								
		- some sulphide also fracture controlled								
		- core badly ground between 86.2-87.4 with minor								
		graphite present in seams - poorly to non-conductive								
		as a unit								
		- qtz vein at 92.5 m								
		- after 94.7 m downhole there is no more felsic ash tuff								
		- light green siliceous siltstone, massive, interbedded with								
		black argillite at 98.2-98.6 m and 100.7-101.3 m								
		- 104.2-104.7 rock averages 7-10% po+py (5:1) mostly								
		bedded but some fracture controlled								
		- conducts moderately at 104.3-104.4 (20% po)								

GETTY MINES, LIMITED

Hole Number DL-83-30

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
104.7 m	110.8 m	SILICEOUS SILTSTONE	D00229	104.7	105.0	0.3	46	420	72	2.5
		- well banded brown biotite rich siltstone and								
		light to medium green chloritic rich siltstone								
		- both units siliceous								
		- 50:50 brown and green bands								
		- banding at 70-80° to c/a								
		- two po rich moderate conductors at								
		104.7-104.8 and 104.9-105.0 m both								
		short sections contain 40% po and								
		very little py.								
110.8 m	116.5 m	INTERMEDIATE VOLCANIC ROCK								
		- medium green, fine to medium grained, massive								
		intermediate metavolcanic rock								
		- rock shows fracture controlled light green								
		siliceous alteration in patches throughout								
		this section								
		at 111.8-111.9 30% po and poorly conductive								
		- short section of banded brown and green siliceous								
		siltstone as above at 112.0-112.2 m								
		- 1% po throughout								
		- minor development of greenish amphibole in patches								

GETTY MINES, LIMITED

Hole Number DL-83-30

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
116.5 m	120.1 m	INTERMEDIATE TUFFACEOUS ROCK - LAPILLISTONE					
		- fine grained biotite rich matrix supporting					
		intermediate volcanic rock frags which vary					
		in size from 0.5-10 cm					
		- fragments are fine grained, light green, massive					
		and sometimes display grey siliceous alteration					
		- excellent banding at 70° to c/a					
		- 120.0-120.1 contact with underlying unit is					
		observed by a short section of felsic intrusive (?) rock.					
120.1	139.1	MAFIC TO INTERMEDIATE VOLCANIC ROCK					
		- massive green intermediate metavolanic rock					
		as at 110.8-116.5 m					
		- 120.5-124.4 m - a short amphibolite section with					
		30% - 2 mm long dark green amphibole needles					
		- gouge fracture filled by calcite at 135.6-135.8 m					
139.1	141.3	METASEDIMENTARY ROCK - SILTSTONE					
		- medium green to grey siltstone					
		- massive, bedding indistinct					
		- not as siliceous as 104.7-110.8 m					
		- no sulphide					
		- 140.9-144.3 light grey coloured qtz-feldspar					
		porphyry dyke, lower contract at					
		45° to ca, upper contact obscured					
		(core ground)					

GETTY MINES, LIMITED

Hole Number DL-83-30

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
141.3	143.9	MAFIC TO INTERMEDIATE VOLCANIC ROCK					
		- as at 120.1-139.1 m					
		- dark green, medium grained massive mafic to intermediate volcanic rock					
		- amphibole crystals developed 1-2 mm in size					
143.9	152.3	SILICEOUS SILTSTONE					
		- dark green to grey banded fine grained siliceous siltstone					
		- banding at 45-75° to c/a					
		-<0.5% py + po					
152.3	158.7	MAFIC TO INTERMEDIATE VOLCANIC ROCK					
		- as at 120.1 - 139.1, 141.3-143.9 m but somewhat finer grained					
		- massive, dark green volcanic rock					
158.7	163.7	SILTSTONE AND BLACK ARGILLITE					
		- intercalated dark grey siltstone with fine grained black argillite					
		158.7-159.5 - 15% aluminosilicate and garnet developed					
		161.2-161.6 - 10% pyrite bedded in black argillite					
		- banding at 60° to c/a					
		162.4 - 163.0 - much siliceous alteration					

GETTY MINES, LIMITED

Hole Number DL-83-30

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
163.7	167.9	MAFIC TO INTERMEDIATE VOLCANIC ROCK					
		- as at 152.3-158.7 m					
		E.O.H. 167.9 m					
		- conductor not intersected					
		- geophysical anomaly not explained					

DRILL CORE ASSAYS

PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR LAKE J.V. Date MAY/83

DL-83-30 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 00229	104.7	105.0	0.3	46	420	72	2.5	16	790	"	0.7		

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-83-30							
DC00726	99.7	100.2	0.5	5	160	270	1.0
727	100.2	100.7	0.5	8	140	110	1.0
728	100.7	101.2	0.5	5	230	300	1.0
729	101.2	101.7	0.5	4	140	74	0.5
730	101.7	102.2	0.5	7	120	58	0.5
731	102.2	102.7	0.5	3	120	140	1.0
732	102.7	103.2	0.5	4	97	200	0.5
733	103.2	103.7	0.5	<2	32	110	0.5
734	103.7	104.2	0.5	3	120	160	0.5
735	104.2	104.7	0.5	7	300	320	1.0
736	105.0	105.5	0.5	3	310	85	1.0
737	105.5	106.0	0.5	<2	77	67	0.5
738	106.0	106.5	0.5	<2	100	64	1.0
739	111.5	112.0	0.5	4	480	31	0.5
740	112.0	112.5	0.5	2	140	28	0.5
741	112.5	113.0	0.5	<2	270	26	0.5
742	113.0	113.5	0.5	<2	8	18	<0.5
743	113.5	114.0	0.5	2	8	18	0.5

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-83-30							
Dec 744	160.1	160.6	0.5	<2	16	80	0.5
745	160.6	161.6	0.5	<2	50	81	0.5
746	161.1	161.6	0.5	5	300	64	1.0
747	26.5	27.0	0.5	<2	13	64	0.5
748	27.0	27.5	0.5	7	180	31	0.5
749	27.5	28.0	0.5	2	120	35	0.5
750	28.0	28.5	0.5	3	240	29	0.5
751	28.5	29.0	0.5	<2	73	42	0.5
752	29.0	29.5	0.5	<2	92	38	0.5
753	29.5	30.0	0.5	<2	21	61	0.5
754	30.0	30.5	0.5	<2	21	54	0.5
755	30.5	31.0	0.5	<2	21	59	0.5
756	31.0	31.5	0.5	7	28	49	0.5
757	31.5	32.0	0.5	9	140	44	0.5
758	32.0	32.5	0.5	13	120	54	0.5
759	32.5	33.0	0.5	2	300	45	1.0
760	33.0	33.5	0.5	<2	130	64	0.5
761	33.5	34.0	0.5	7	180	43	0.5
762	34.0	34.5	0.5	5	240	34	1.0
763	34.5	35.0	0.5	2	450	49	1.0

DRILL CORE ASSAYS

PROJECT ABITIBI Volcanic Belt PROPERTY DETOUR Lake Date DECEMBER, 1983

DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm).
DL-83-30							
D00764	35.0	35.5	0.5	3	430	36	1.0
765	35.5	36.0	0.5	3	720	25	1.0
766	36.0	36.5	0.5	7	360	43	1.0
767	36.5	37.0	0.5	4	790	44	1.0
768	37.0	37.5	0.5	5	1100	37	1.0
769	37.5	38.0	0.5	4	340	73	1.0
770	38.0	38.5	0.5	22	290	57	1.0
771	38.5	39.0	0.5	2	240	120	1.0
772	39.0	39.5	0.5	5	270	49	1.5
773	39.5	40.0	0.5	5	130	30	0.5
774	40.0	40.5	0.5	2	200	44	1.0
775	40.5	41.0	0.5	5	400	30	1.0
776	41.0	41.5	0.5	<2	180	29	0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-33

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

Grid.....C-16.....
Latitude....1+00S.....
Departure..L1+00E.....

Core Size.....BQ.....
Elev. Collar.....
Bearing.....360°.....
Dip.....-50°.....
Length.....146.4 m.....
Horiz. Trace..95.5 m.....
Vert. Trace..109.5 m.....

Starting Date..April 22/83.....
Completion Date April 24/83.....

Date Logged...April 24, 1983....
Logged by.....K.S. Sutherland..

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
29.3m	-57°	-48°
145.5m	-55°	-46°

Sutherland

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY
0.0	28.4 m	OVERBURDEN - boulders					
28.4	29.6 m	QUARTZ EYE PORPHYRY					
		The rock is green/brown, medium to coarse grained, medium soft and non-magnetic. Mineralogy consists of 20% blue quartz eyes (1 mm to 3 mm), 10% white feldspar phenocrysts in a biotite/chlorite rich matrix. No visible sulphides. Lower contact well defined. Weakly laminated and stretching of phenocrysts 70° to core axis.					
29.6	75.9 m	MAFIC VOLCANIC ROCK					
		The rock is fine to medium grained, green, medium hard/soft and locally very weakly magnetic (finely disseminated po). Rock mineralogy consists of green amphibole, (chlorite), white plagioclase with 1-2% pyrite (fine veins and disseminated). Vesicles and vesicular horizons to 20 cm, breccia zones (flow top breccia ?) and coarse grained intervals (centre of flow ?) are present throughout the unit. Quartz and quartz plus carbonate					

GETTY MINES, LIMITED

Hole Number DL-83-33

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		+ sulphide veins present throughout 20% the rock - generally								
		oriented 5° to 45° to core axis and ≤5 mm in width.								
		Conjugate fractures (45°) present throughout unit.								
		33.1 - 33.2 - Breccia zone (Flow top ?) - quartz fragments,	D00375	31.1	32.1	1.0 m	3	170	35	0.5
		sulphide (py) fragments to 1 mm, carbonate fragments,								
		mafic volcanic fragments.								
		34.3 - 35.3 - Amygdular zone- 10% white amygdules,	D00376	37.1	38.1	1.0 m	3	110	59	0.5
		subrounded to 5 mm								
		37.4 - 37.7 m - Breccia zone - po fragments to 1 cm.	D00377	38.6	39.4	0.8 m	2	92	47	0.5
		38.7 - 38.9 m - Breccia zone, - sulphide fragments 2 mm -								
		5 mm - host rock, carbonate fragments, subangular.	D00378	40.5	41.0	0.5 m	4	97	23	0.5
		33.6 - Breccia zone - Po fragments, 2 cm long.	D00379	43.2	43.7	0.5 m	31	49	29	0.5
		37.7 - 38.0 - coarse grained section	D00380	49.1	49.6	0.5 m	1	110	41	<0.5
		38.0 - 38.2 - Brecciated								
		43.5 - qtz/carbonate - weakly brecciated.								
		46.5 m - 47.9 m - Intermediate Dyke								
		- grey, fine-medium grained, non-magnetic								
		and conformable upper and lower contacts								
		py on fracture surfaces.								
		50.5 - 50.7 - coarse grained 50.4 - 50.5 fine grained								
		50.7 - 50.8 - fine grained 50.3 - 50.4 amygdular								
		50.8 - 50.9 - Brecciated								

GETTY MINES, LIMITED

Hole Number DL-83-33

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		~51.3 - rock generally medium to coarse grained mafic volcanic (coarser centre of flow or recrystallized mafic volcanic). Minor coarse grained horizons to 30 cm and minor interflow sediment to 20 cm wide - banding in sediment 45° to core axis. Volcanic rock appears massive - no pillow veins appear evident. Breccia zone less amygdules 1-2% disseminated sulphide throughout unit. Quartz + carbonate veins appears to carry no accessory mineralization. Alternating fine to coarse intervals.	D00381	53.1	53.6	0.5 m	2	78	64	<0.5
		54.0 - sulphide blebs 54.3 - 54.5 - coarse grained								
		66.3 - 2 cm wide quartz rich vein with 2-3% sulphide	D00382	66.3	66.8	0.5 m	1	150	31	<0.5
		70.5 - 71.1 - Interflow Metasedimentary Rock - green/brown, fine grained, weakly banded 70° to core axis.	D00383	71.0	71.5	0.5 m	3	920	31	1.0
		71.1 - 75.9 - Interflow metasediment/interflow breccia - medium soft, green/grey, locally 1-2% sulphide blebs, <5% carbonate veins 40° to core axis, medium grained mafic volcanic rock (and diabase)								
75.9	80.5 m	DIABASE DYKE - dark grey/green, medium grained, non-magnetic medium hard. - amphibole (50-60%) feldspar (40%) minor biotite and trace sulphides. - upper and lower contacts conformable (45° to core axis) and ~10 cm wide finer grained chill margin - rock contains 3% carbonate veins, 1-2 mm wide oriented 30-40° to core axis - amphibole laths to 5 mm long								

GETTY MINES, LIMITED

Hole Number DL-83-33

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
80.5	88.5	MAFIC VOLCANIC ROCK								
		- Green, fine to medium grained, medium hard, non-magnetic.								
		- 5% carbonate veins, 45-35° to core axis								
		- 1% sulphide disseminated and blebs to 5 mm.								
		- Locally interflow breccia zones to 20 cm. wide-carbonate & mafic fragments, 2-3% sulphide blebs from 85.5 - 85.6 m								
		- locally amygdular (10 cm) white subrounded amygdules (top of flow ?) at 82.0 m.								
		- Minor interflow sediment, brown/green weakly banded 45° to core axis 84.5 - 84.9 m	D00384	84.9	85.9	1.0 m	3	190	22	0.5
		86.3 - 86.55 - Quartz + carbonate zone, trace sulphides.								
		86.5 - Sulphide bleb in breccia zone with bleached rim								
88.5	91.4	DEBRIS FLOW								
		- fine to coarse fragments in a fine grained chloritic matrix								
		- green, non-magnetic, medium soft								
		- fragments <1 mm to 1 cm, subangular to subrounded, weakly stretched ~70° to core axis								
		- Fragments consist of carbonate, quartz + carbonate, mafic volcanic rock (some fragments show weathered/bleached rims), pyrite (1-2%)								
		- upper contact gradational over a few cm's	D00386	89.4	90.4	1.0 m	2	120	110	0.5
		- 89.4 - 91.41 m 2% sulphide clasts	D00387	90.4	91.4	1.0 m	4	91	160	0.5
91.4	102.2 m	CONDUCTIVE ZONE								
		- sulphide-bearing graphitic debris flow								
		- black, grey, soft, fine to coarse grained non-magnetic								
		- similar to debris flow 88.5 - 91.4 m but contains more sulphide (pyrite) fragments and matrix consists predominantly of graphitic mud.								

GETTY MINES, LIMITED

Hole Number DL-83-33

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		91.4 - 91.5 - Good conductor, 25% graphite, 8-10% pyrite, disseminated and blebs. Exhibits slump/flow textures (50° to core axis), 10% mafic volcanic fragments.	D00384	91.9	92.4	0.5 m	1	68	94	1.0
			D00390	92.4	92.9	0.5 m	1	170	70	1.0
			D00391	92.9	93.4	0.5 m	2	190	670	1.5
			D00392	93.4	93.9	0.5 m	4	110	400	1.5
		91.5 - 93.6 - Weakly conductive, minor graphite.	D00393	93.9	94.4	0.5 m	10	41	57	0.5
		Debris flow - mafic volcanic fragments quartz + carbonate	D00394	94.4	96.4	2.0 m	16	65	40	1.0
		fragments, sulphide fragments (3-5%) subangular to sub-	D00395	96.4	97.4	1.0 m	12	120	220	1.5
		rounded <1 mm to 1 cm in fine grained chloritic matrix.	D00396	97.4	98.4	1.0 m	5	160	320	1.0
			D00397	98.4	98.9	0.5 m	7	460	160	1.5
		93.6 - 102.2 - Good conductor - 25-35% graphite	D00398	98.9	99.4	0.5 m	3	170	250	1.0
		10-15% pyrite - blebs disseminated and minor contorted	D00399	99.4	99.9	0.5 m	10	240	260	1.5
		laminations.	D00400	99.9	100.4	0.5 m	9	220	240	1.5
		Poor core recovery. Fragments (sulphide, mafic volcanic,	D00401	100.4	100.9	0.5 m	10	340	380	1.0
		quartz/carbonate) to 5 cm in chlorite/graphite rich matrix	D00402	100.9	101.4	0.5 m	6	160	570	1.0
			D00403	101.4	101.9	0.5 m	11	180	1000	1.5
		98.1 and 98.4 m - Contorted and offset laminations	D00404	101.9	102.4	0.5 m	31	170	2800	1.0
		97.5 - 98.0 m - Weak conductors - less graphite and and sulphides (debris flow)								
		98.0 - 102.2 - Weak to moderately laminated. Laminations have been contorted and brecciated (quartz/graphite/sulphide bands) 10-15% sulphide (locally 20% over 4 cm - 100.6 m) 101.1 - 101.3 m - Quartz rich band, non-conductive - 101.3 - 102.2 m - increase in quartz banding (5 mm to 2 cm) oriented 70° to 80° to core axis. 2-3% sulphide.								
102.2	104.3 m	BRECCIA ZONE								
		Rock is dark grey/green, medium hard to hard and non-magnetic moderately brecciated - quartz rich clasts 1 cm to 4cm in size (103.8) - subangular to subrounded clasts. Mafic volcanic clasts subangular to subrounded in a carbonate rich matrix 5 mm to 1 cm in size. (103.1 - 103.6)	D00405	102.4	103.4	1.0 m	17	170	570	1.0
		- Minor slumping and offset at 102.9 m.								
		- Fine grained mafic matrix overall.								
		- Upper and lower contacts are gradational								

GETTY MINES, LIMITED

Hole Number DL-83-33

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
104.3	112.6	MAFIC VOLCANIC ROCK					
		The rock is green (locally green/brown) fine to medium grained, medium soft to medium hard and non-magnetic. Locally brecciated (carbonate rich matrix 109.2 - 109.4) with subangular host rock fragments to 1 cm.					
		Contains 5-8% carbonate rich veining (< 5 mm, 45° to core axis) and trace sulphides.					
		Locally bleached (brown/grey, medium soft) in first metre of interval (105.0 - 105.7)					
		(105.7 - 105.9) and amygdular flow top or pillow rim 104.6 m.					
		Locally brown colouring (patchy) - softer ⟶ biotite alteration ? (107.0 - 109.3 m)					
		112.3 - 112.6 - Amygdular - 5% white amygdules, 2 mm to 5 mm in size.					
112.6	113.9	INTERFLOW SILICEOUS METASEDIMENT					
		- Upper contact 40° to core axis					
		- The rock is grey/green, fine to medium grained, medium hard and non-magnetic					
		- Mineralogy consists of quartz/carbonate/chlorite, trace sulphides					
		- Banded 45° to core axis, bands are 1 mm to 3 cm wide but locally contorted, slumped and brecciated.					
		- Fine band (2 mm) of chlorite with 5% pink garnets (≤1 mm) 113.2 m					
		- Contorted 113.2 m					
		- Breccia - 112.9 m, 113.7 m					
		- Banded 113.1 m					
		- Slump 113.4 m					
		- Lower contact 45° to core axis					

GETTY MINES, LIMITED

Hole Number DL-83-33

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
113.9	118.0	ALTERED FRAGMENTAL FLOW/PORPHYRY								
		The rock is brown/grey, medium soft and non-magnetic. Mineralogy consists of quartz, feldspar and mafic subangular to subrounded fragments 1 mm to 1 cm in size within a biotite/carbonate matrix.								
		trace sulphide								
		- 5% pink garnets from 117.0 - 118.0 m 1 mm (117.0 m) to 5 mm (118.0 m) in size.								
		113.9 - 114.1 - green, 2% fine garnets.								
118.0	120.7	MAFIC VOLCANIC ROCK/DEBRIS FLOW								
		- The rock is fine grained, green, hard and magnetic								
		throughout (magnetite ?). Upper contact marked	D00406	117.7	118.7	1.0 m	1	10	47	0.5
		by magnetism and 20 cm zone of amygdules ?.	D00407	118.7	119.7	1.0 m	<1	6	45	1.0
		Mafic volcanic to 119.0 - contact gradational	D00408	119.7	120.7	1.0 m	4	28	120	1.0
		over a few cm's carbonate to debris flow, mafic fragments in fine grained matrix, minor carbonate.								
		- Fine to coarse grained intervals 120.1-120.7 m - coarser fragments								
		- 1-2% sulphide (py/po ?)								
		- 2% magnetite fragments (?) fine <1 mm to 2 mm								
120.7	121.8	CONDUCTIVE ZONE								
		- graphitic sulphide debris flow - non-magnetic								
		- 40% graphite, 5-8% pyrite (disseminated, rounded	D00409	120.7	121.2	0.5 m	23	130	280	1.5
		fragments to 8 mm and veinlets)	D00410	121.2	121.7	0.5 m	7	64	640	1.5
		- locally brecciated - 120.0 m								
		- Upper contact marked by pyrite 'vein' oriented 40° to core axis - contorted 5-8 mm wide.								
		- Lower contact - pyrite 'vein' 40° to core axis								
		- 121.1 - 121.5 - Debris flow, mafic fragments non-conductive, 1% disseminated sulphide.								

GETTY MINES, LIMITED

Hole Number DL-83-33

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
121.8	126.5	DEBRIS FLOW								
		Fine to coarse mafic fragments in a fine green chloritic muddy matrix. Poor core recovery. 10% carbonate								
		Magnetic - 121.0 - 124.2 m -(magnetite 2-3% ?)	D00411	121.7	122.2	0.5 m	13	160	130	2.5
		Non-magnetic 124.2 - 126.5 m	D00412	122.2	123.5	1.3 m	1	4	77	0.5
		Soft green, subangular to subrounded mafic	D00413	123.5	124.5	1.0 m	1	5	91	0.5
		fragments. Locally garnetiferous. There is a	D00414	124.5	125.7	1.2 m	3	27	130	1.5
		weak preferred alignment of fragments 45° to	D00415	125.7	126.7	1.0 m	4	48	210	1.5
		core axis.								
126.5	127.4	CONDUCTIVE ZONE								
		Sulphide-bearing graphitic rock with ~40° graphite, 5-10% pyrite as disseminations, clasts to 5 mm and fine veinlets and 5% carbonate veinlets (fracture filling)								
		Veinlets contorted but general orientation 45° to core axis.								
		Upper and lower contacts irregular - marked by presence of graphite.								
127.4	128.1	DEBRIS FLOW								
		- as 121.8 to 126.5 except not as soft	D00418	127.7	128.7	1.0 m	1	13	120	1.5
		- chlorite rich muddy matrix with mafic angular fragments								
		- 2-3% pink garnets 1 mm - 3 mm								
		- Magnetite - 127.6 - 128.1 m (magnetite ?)								
128.1	129.3	BRECCIA ZONE								
		Fine to coarse (1 mm to 4 cm) angular green mafic volcanic rock fragments in white carbonate rich matrix.								
		- 1% disseminated sulphide								
		- Upper and lower contacts gradational over 10's of mm's.								

GETTY MINES, LIMITED

Hole Number DL-83-33

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY				
		- 1% garnets in mafic fragments (and at lower contact).									
129.3	145.4	MAFIC VOLCANIC ROCK The rock is fine grained, green, medium hard and non-magnetic. Contains 10% carbonate, carbonate + quartz veining 5 mm generally oriented 40° to 50° to core axis. No accessory mineralization Locally the rock is amygdular and brecciated. Minor brown patches (biotite - interstial rock) at 136.1 m 136.7 m Amygdules at 136.3 m and 141.7 m Brecciated at 135.3 m and 136.9 m - Carbonate + quartz zone. 137.2 - 137.5 m (no accessory mineralization) 138.5 - 138.9 m	D00419	138.5	138.9	0.4 m	1	17	40	1.5	
145.4 m		END OF HOLE.									

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic belt PROPERTY Detour Lake JV Date May 83

DL 83-33 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mo (ppm)	Mn (ppm)	Ni (ppm)	
00375	31.1	32.1	1.0	3	170	35	0.5	10	<1	630	1.2	
00376	37.1	38.1	1.0	3	110	59	<0.5	—	—	—	—	
00377	38.6	39.4	.8	2	92	47	0.5	<10	<1	1000	9.5	
00378	40.5	41.5	1.0	4	97	23	0.5	—	—	—	—	
00379	43.2	43.7	.5	31	49	29	0.5	<10	<1	1300	3.2	
00380	49.1	49.6	.5	1	110	41	<0.5	—	—	—	—	
00381	53.1	53.6	.5	2	78	64	<0.5	10	<1	560	2.0	
00382	66.3	66.8	.5	1	150	31	<0.5	—	—	—	—	
00383	71.0	71.5	.5	3	920	31	1.0	50	2	570	1.1	
00384	84.8	85.9	1.0	3	190	22	0.5	—	—	—	—	
00385	86.4	86.7	.3	2	78	21	1.0	<10	<1	1500	2.1	

PROJECT Abitibi Volcanic belt. PROPERTY Detour Lake J.V. Date May 183

DL-83-33 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)		
00386	89.4	90.4	1.0	2	120	110	0.5	—	-		—		
00387	90.4	91.4	1.0	4	91	160	0.5	<10	<1	2200	180		
00388	91.4	91.9	0.5	8	210	320	1.0	—	-		—		
00389	91.9	92.4	0.5	1	68	94	1.0	10	<1	2500	310		
00390	92.4	92.9	0.5	1	170	70	1.0	—	-	—	—		
00391	92.9	93.4	0.5	2	190	670	1.5	<10	<1	>4000	180		
00392	93.4	93.9	0.5	4	110	400	1.5	—	-		—		
00393	93.9	94.4	0.5	10	41	57	0.5	25	5	310	46.0		
00394	94.4	96.4	2.0	16	65	40	1.0	—	-		—		
00395	96.4	97.4	1.0	12	120	220	1.5	10	2	3400	74.0		
00396	97.4	98.4	1.0	5	160	320	1.0	—	-		—		
00397	98.4	98.9	0.5	7	460	160	1.5	10	2	960	19.0		
00398	98.9	99.4	0.5	3	170	250	1.0	—	-		—		
00399	99.4	99.9	0.5	10	240	260	1.5	10	<1	3600	44.0		
00400	99.9	100.4	0.5	9	220	240	1.5	—	-		—		
00401	100.4	100.9	0.5	10	340	380	1.0	10	<1	970	16.0		
00402	100.9	101.4	0.5	6	160	570	1.0	—	-		—		
00403	101.4	101.9	0.5	11	180	1000	1.5	100	3	1000	170		
00404	101.9	102.4	0.5	31	170	2800	1.0	—	-		—		
00405	102.4	103.4	1.0	17	170	570	1.0	<10	<1	>4000	41.3		
00406	117.7	118.7	1.0	1	10	47	0.5	—	-		—		

DRILL CORE ASSAYS

PROJECT Abitibi Volcanic belt PROPERTY Detour Lake J.V. Date May 183

DL-83-33 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	B (ppm)	Mo (ppm)	Mn (ppm)	W (ppm)		
00407	118.7	119.7	1.0	<1	6	45	1.0	<10	<1	24000	7.1	(1.5%)	Fe
00408	119.7	120.7	1.0	4	28	120	10	—	—	—	—		
00409	120.7	121.2	0.5	23	130	280	15	230	2	1800	980		
00410	121.2	121.7	0.5	7	64	640	1.5	—					
00411	121.7	122.2	0.5	13	160	130	2.5	10	1	1600	—		
00412	122.2	123.5	1.3	1	4	77	0.5	—		—	19.0		
00413	123.5	124.5	1.0	1	5	91	0.5	<10	<1	1900	—		
00414	124.5	125.7	0.8	3	27	130	1.5	—		—	14.0		
00415	125.7	126.7	1.0	4	48	210	1.5	<10	<1	1900	—		
00416	126.7	127.2	0.5	21	100	39	1.5	—			80.0		
00417	127.2	127.7	0.5	12	80	110	1.5	<10	3	1300	—		
00418	127.7	128.7	1.0	1	13	120	1.5	—			48.0		
											—		
00419	138.5	138.9	0.4	1	17	40	1.5	<10	<1	3900	2.0.		

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-34

Property: DETOUR SOUTH
Location: 144 KM NE of COCHRANE, ONT.

Grid: 4
Latitude: L4+00E
Departure: 2+00S

Core Size: BQ
Elev. Collar:
Bearing: 180°
Dip: -50°
Length: 125.0 m
Horiz. Trace: 88.0 m
Vert. Trace: 89.0 m

Starting Date: MARCH 29, 1983
Completion Date: MARCH 30, 1983

Date Logged: MARCH 30, 1983
Logged by: R.B. SCRATCH

K. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0	25.5 m	OVERBURDEN/CASING					
25.5	112.9	METASEDIMENTARY ROCK - SILTSTONE					
		- fine to medium grained grey siltstone					
		- ave. grain size 1 mm					
		- rock extremely uniform throughout					
		- bedding well developed oriented at 70-80° to c/a					
		- rock contains 50% white sugary quartz, often					
		arranged in quartz rich beds as well as					
		interstitial to the remaining 50% of the					
		rock consisting of chlorite+biotite					
		- bedding usually 1 mm thick but some quartz					
		rich beds are up to 5 mm thick					
		- sulphide very rare to absent					
		- rock is non-magnetic throughout					
		- very rare quartz and quartz + chlorite veinlets					
		transect core					
		- 5 cm wide quartz veins at 90° to c/a at					
		37.85, 41.7					
		- light to medium green intermediate tuff to tuffite					
		bands located at 28.55-28.6, 29.1-29.15, 34.4-34.6					

GETTY MINES, LIMITED

Hole Number DL-83-34

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		36.9-37.4 (slightly altered), 39.3-39.35, 48.1-48.3								
		- quartz veins at 67.15-67.20, 70.0, 92.45-92.48								
		- small section of feldspar porphyry at 72.7-72.75								
		- crystal tuff or feldspar porphyry in contacts								
		conformable to bedding at 82.45-82.50, 85.34-85.45								
		contacts @ 70° to c/a								
		- qtz-chlorite amphibole vein at 95.80-95.83								
		- medium green tuff bands at 96.2-96.4, 108.0-108.05								
		- feldspar crystal tuff at 107.8-107.9								
112.9	114.1	Conductor Pyrite bearing graphitic metasedimentary rock								
		- well bedded at 70° to c/a								
		- from 113.1-113.4 70% graphite - 10% pyrite	D00119	112.9	113.5	0.6	1	130	240	1.5
		- vuggy pyrite at 113.4	D00120	113.5	114.1	0.6	<1	150	200	1.5
		- core ground 113.5-114.0								
		- average 35-40% graphite, 5% pyrite throughout								
		- remainder of rock a siliceous light green tuffite								

GETTY MINES, LIMITED

Hole Number DL-83-34

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY				
114.1	125.0	TUFFITE									
		- well bedded at 70° to c/a									
		- intercalated 1-5 cm bands of fine grained dark									
		green to black siltstone/sandstone with 1-3 cm									
		bands of medium green intermediate tuff									
		- both components appear to be mixtures of sediment									
		and tuff									
		- 1-2% py + po disseminated throughout									
		- 115.8-116.0 feldspar crystal tuff									
		- minor qtz-calcite-chlorite-py veinlets									
		throughout									
		- healed 1 cm wide fracture parallel to core axis									
		at 123.4-123.8									
		E.O.H. 125.0									

DRILL CORE ASSAYS

PROJECT BRITISH VOLCANIC BELT PROPERTY DETOUR SOUTH Date MAY/83

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)	
DL-83-34												
D 00119	112.9	113.5	0.6	1	130	240	1.5	25	5	340	1.5	
00120	113.5	114.1	0.6	<1	150	200	1.5	—	—	—	—	

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number: DL-83-35

Property: DETOUR SOUTH
Location: 144 KM NE OF COCHRANE, ONTARIO

Grid: C-4
Latitude: 0+50N
Departure: L2+00W

Core Size: BQ
Elev. Collar:
Bearing: 180°
Dip: -50°
Length: 100.6 m
Horiz. Trace: 66.0 m
Vert. Trace: 75.0 m

Starting Date: MARCH 22/83
Completion Date: MARCH 24/83

Date Logged: MARCH 24/83
Logged by: R.B. SCRATCH

Dip Tests

Depth	Angle	
	Read	Actual
Collar		-50°
36.6	-59.4	-51°
100.6	-55.3	-46.5°

Kettlestad

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH.	ASSAY
0.0 m	37.7 m	OVERBURDEN/CASING					
37.7 m	52.1	MAFIC TUFF					
		- dark green to black fine grained mafic tuff					
		with rare 1-2 cm bands of light green					
		intermediate tuffaceous rock					
		- bedding well developed at 70° to c/a					
		- rock is essentially a biotite-chlorite					
		rock with approximate proportion 60:40					
		but occasional sections have visible					
		qtz up to 25% suggesting a sedimentary origin					
		-45.0 - 49.0 - sporadic development of black amphibole					
		in places up to 40%					
		- heavy pyrite at 48.8					
		-42.8 - 42.9 - white quartz vein at 90% c/a					
		- rock non magnetic throughout					

GETTY MINES, LIMITED

Hole Number DL-83-35

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
52.1 m	52.3 m	FELDSPAR PORPHYRY								
		- coarse grained grey-white feldspar	D00037	52.1	52.3	0.2	1	42	46	< 0.5
		porphyry consisting of 50% white								
		1-2 mm anhedral feldspar phenocrysts								
		in a fine grained grey siliceous matrix								
		which contains 20% biotite and 1-2% po								
		- contacts conform to bedding and are oriented at 60° to c/a								
52.3 m	53.9 m	MAFIC INTERMEDIATE TUFF								
			D00038	52.3	52.8	0.5	37	280	25	0.5
		- fine grained black mafic tuff intercalated	D00039	52.8	53.3	0.5	2	100	22	< 0.5
		with medium green intermediate tuff which	D00040	53.3	53.9	0.6	5	110	28	0.5
		constitutes up to 20% of this section. These								
		intermediate tuff bands contain po which								
		varies up to 10%								
		- 54.0 - 54.2 mostly intermediate green tuff but								
		with 20% garnet, 20% chert and 10% po bedding								
		is distinct at 60° to c/a								
		- 53.65-53.75 - soft sediment slump structure and								
		truncated bedding appear to indicate that								
		stratigraphic top is uphole (to the north)								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-35

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
53.9 m	55.4 m	MAFIC TUFF	D00041	53.9	54.4	0.5	5	120	18	<0.5
			D00042	54.4	54.9	0.5	3	120	15	<0.5
		- as at 45.0 - 49.0 with development of	D00043	54.9	55.4	0.5	1	120	38	<0.5
		black amphibole in an otherwise fine								
		grained dark green-black mafic tuff								
		- lack of quartz suggests that sedimentary								
		component is minimal								
		- bedding is at 70° to c/a								
55.4 m	55.55 m	FELDSPAR PORPHYRY								
			D00044	55.4	55.5	0.15	2	66	64	<0.5
		- as at 52.1-52.3								
		- contacts conformable at 70° to c/a								
55.55 m	56.4 m	MAFIC TUFF								
			D00045	55.55	56.0	0.45	4	73	27	<0.5
		- as at 53.9 - 55.4	D00046	56.0	56.4	0.40	2	69	22	<0.5
56.4 m	56.6 m	LAMINATED CHERTY - PY - PO ROCK								
		- well bedded cherty chemical sediment	D00047	56.4	56.6	0.2	1	240	36	1.0
		with laminations on the order at 1-5 mm								
		consisting of alternating barren chert with								
		sulphide rich chert								
		- entire unit is not conductive but individual beds are								
		- contains 20% py + po								
		- bedding at 65° to c/a								

GETTY MINES, LIMITED

Hole Number DL-83-35

DRILL HOLE LOG

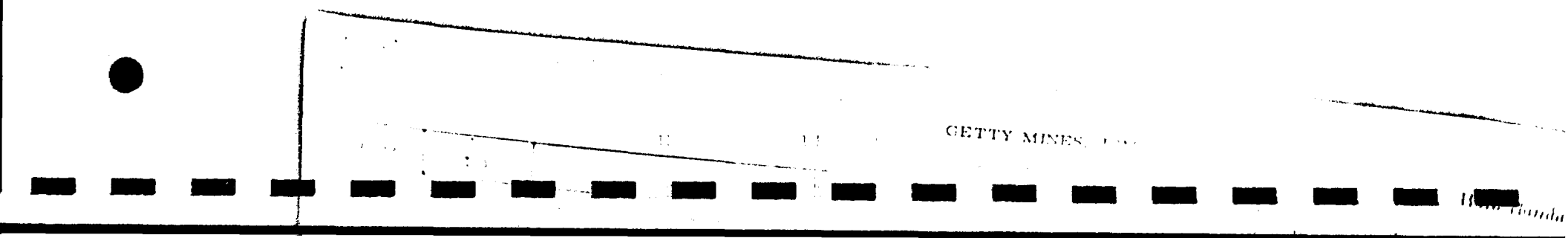
FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
56.6 m	60.9 m	MAFIC - INTERMEDIATE TUFF	D00048	56.6	57.1	0.5	2	85	26	0.5
			D00049	57.1	57.6	0.5	2	100	19	<0.5
		- fine grained black mafic tuff intercalated	D00050	57.6	58.1	0.5	1	60	21	<0.5
		with 30% medium green intermediate	D00051	58.1	58.6	0.5	2	120	23	0.5
		tuff bands which contain up to 10%	D00052	58.6	59.1	0.5	1	150	27	0.5
		po, averaging 1-2% and 10% pyrite,	D00053	59.1	59.6	0.5	4	98	14	<0.5
		averaging 1%	D00054	59.6	60.1	0.5	2	110	18	<0.5
		- very similar to 52.3-52.9	D00055	60.1	60.6	0.5	2	84	19	<0.5
		- bedding at 70° to c/a	D00056	60.6	60.9	0.3	2	120	40	0.5
		- garnet - po at 57.9								
		- 58.85 - 58.90 - 10% pyrite, 5% po								
60.9 m	61.1 m	CONDUCTOR - LAMINATED CHERT-PO-PY ROCK	D00057	60.9	61.1	0.2	<1	340	76	1.0
		- rock is similar to 56.4 - 56.6 except that there								
		is enough sulphide material to make the entire unit								
		moderately conductive								
		- in addition 10-15% of this unit consists of								
		intermediate tuffaceous material								
		- contains 30% bedded and disseminated po+py. Po								
		predominates up hole and py downhole								
		- contacts conformable and bedding at 70° to c/a								
		- chert makes up 50% of rock								
		- laminations 2-5 mm thick								

GETTY MINES, LIMITED

Hole Number DL-83-35

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
61.1 m	64.5 m	MAFIC VOLCANIC ROCK								
			D00058	61.1	61.6	0.5	2	51	75	0.5
		- massive amphibole bearing dark green mafic volcanic rock	D00059	61.6	62.1	0.5	<1	48	29	<0.5
			D00060	62.1	62.6	0.5	4	53	14	<0.5
		- similar to sections previously encountered at	D00061	62.6	63.1	0.5	4	42	17	<0.5
		at 45.0-49.0, 53.9-55.4	D00062	63.1	63.6	0.5	2	53	16	<0.5
		- upper contact sharp at 70° to c/a	D00063	63.6	64.1	0.5	2	83	65	1.0
		lower contact gradational	D00064	64.1	64.6	0.5	3	82	110	1.0
		- probably a flow?								
		- non magnetic								
		- ground core at 63.3 - 63.7								
		- 1% sulphide throughout								
64.5 m	66.4 m	METASEDIMENTARY ROCK TO MAFIC TUFF	D00065	64.6	65.1	0.5	2	160	220	0.5
			D00066	65.1	65.6	0.5	<1	79	35	0.5
		- intercalated grey black siltstone containing 50%	D00067	65.6	66.1	0.5	3	51	52	<0.5
		qtz + feldspar grains with black fine grained	D00068	66.1	66.6	0.5	17	56	24	<0.5
		mafic tuff as at 37.7 - 52.1								
		- bedding is at 70° to c/a								
		- consists of 50% siltstone and 50% mafic tuff								
		- 65.9-66.3 contains quartz veinlets with chlorite								
		rich alteration salvages								
		- rock is non magnetic								
		- 64.60 - 64.63 - 10% py + po								
		- 66.27 - 66.30 - 5% po + py								



GETTY MINES, LIMITED

Hole Number DL-83-35

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
66.4 m	72.0 m	MAFIC VOLCANIC ROCK								
			D00069	66.6	67.1	0.5	1	35	12	<0.5
		- massive to weakly banded, medium grained	D00070	67.1	67.6	0.5	2	22	10	<0.5
		dark green volcanic rock - flow?	D00071	67.6	68.1	0.5	6	41	12	<0.5
		- contains 40% amphibole, 30% feldspar and	D00072	68.1	68.6	0.5	2	55	14	<0.5
		30% biotite & chlorite	D00073	68.6	69.1	0.5	3	49	13	<0.5
		- foliation parallel to bedding at 70° to c/a	D00074	69.1	69.6	0.5	<1	77	50	<0.5
		- contains 1% py + po disseminated throughout	D00075	69.6	70.1	0.5	1	53	40	0.5
		- 71.8 - 72.0 contact gradational and rock	D00076	70.1	70.6	0.5	3	55	190	<0.5
		appears sedimentary or tuffaceous in nature	D00077	70.6	71.1	0.5	1	84	51	<0.5
			D00078	71.1	71.6	0.5	2	90	100	<0.5
			D00079	71.6	72.0	0.4	<1	55	150	<0.5
72.0 m	72.8 m	CONDUCTOR - GRAPHITE - PY ROCK								
		- excellent conductor	D00080	72.0	72.5	0.5	3	940	1900	2.0
		- rock contains variable graphite - py content	D00081	72.5	72.8	0.3	3	300	190	1.0
		and grades from an intermediate to felsic								
		tuff with 10% graphite + py at 72.0-72.2 into								
		a rock containing 70% graphite, 20% pyrite,								
		10% chert at 72.2-72.6 back into the same rock								
		as at 72.0-72.2								
		- banding at 70° to c/a								
		- rock is magnetic								

GETTY MINES, LIMITED

DRILL HOLE LOG

SAMPLE NUMBER	METERS FROM	METERS TO	COR LGT
D00082	72.8	73.3	0.

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-35

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag (ppm)
72.8 m	76.2	INTERMEDIATE TUFF (TUFFITE?)								
			D00082	72.8	73.3	0.5	1	72	22	<0.5
		- fine grained, medium green, well bedded	D00083	73.3	73.8	0.5	3	120	23	<0.5
		intermediate tuff - this rock appears	D00084	73.8	74.3	0.5	<1	100	110	<0.5
		to have a substantial sedimentary component	D00085	74.3	74.8	0.5	8	120	19	0.5
		and hence maybe a tuffite?	D00086	74.8	75.3	0.5	3	130	31	0.5
		- bedding at 70° to c/a	D00087	75.3	75.8	0.5	3	57	24	<0.5
		- graphite conductive zones at 74.25 - 74.3,	D00088	75.8	76.2	0.4	3	100	88	<0.5
		75.15 - 75.20								
		- lower contact gradational								
		- chlorite dominates over biotite								
		- felsic ash band at 73.94 - 73.97								
76.2 m	78.5 m	MAFIC VOLCANIC ROCK								
		-as at 66.4 - 72.0								
76.2 m	93.6 m	INTERMEDIATE TUFFITE								
		- as at 72.8 - 76.2								
		- may be even more sedimentary but tuffaceous component								
		definitely present								
		- bedding at 70° to c/a								

GETTY MINES, LIMITED

Hole Number DL-83-35

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METERS FROM	METERS TO	CORE LGTH	ASSAY
93.6 m	100.6 m	METASEDIMENTARY ROCK - SILTSTONE					
		- fine grained grey siltstone					
		- bedding at 70° to c/a					
		- core badly ground at 93.8-97.2					
		- contains 5-10% disseminated euhedral pyrite					
		at 93.8-95.0 - but core badly ground					
		E.O.H 100.6					
		- 100% core recovery					
		- conductor explained					

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] RI[redacted] C[redacted]E [redacted]SA[redacted] [redacted] [redacted] [redacted] [redacted]ge [redacted] of [redacted] [redacted]

PROJECT ABITIBI VOLCANIC BELT PROPERTY MOTOUR SOUTH Date MARCH/83

DL-83-35 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 00081	72.5	72.8	0.3	3	300	190	1.0	10	<130	8	1.0		
00082	72.8	73.3	0.5	1	72	22	<0.5						
00083	73.3	73.8	0.5	3	120	23	<0.5	10	260	2	3.2		
00084	73.8	74.3	0.5	<1	100	110	<0.5						
00085	74.3	74.8	0.5	8	120	19	0.5	10	140	1	1.1		
00086	74.8	75.3	0.5	3	130	31	0.5						
00087	75.3	75.8	0.5	3	57	24	<0.5	10	230	<1	0.4		
00088	75.8	76.2	0.4	3	100	88	<0.5						

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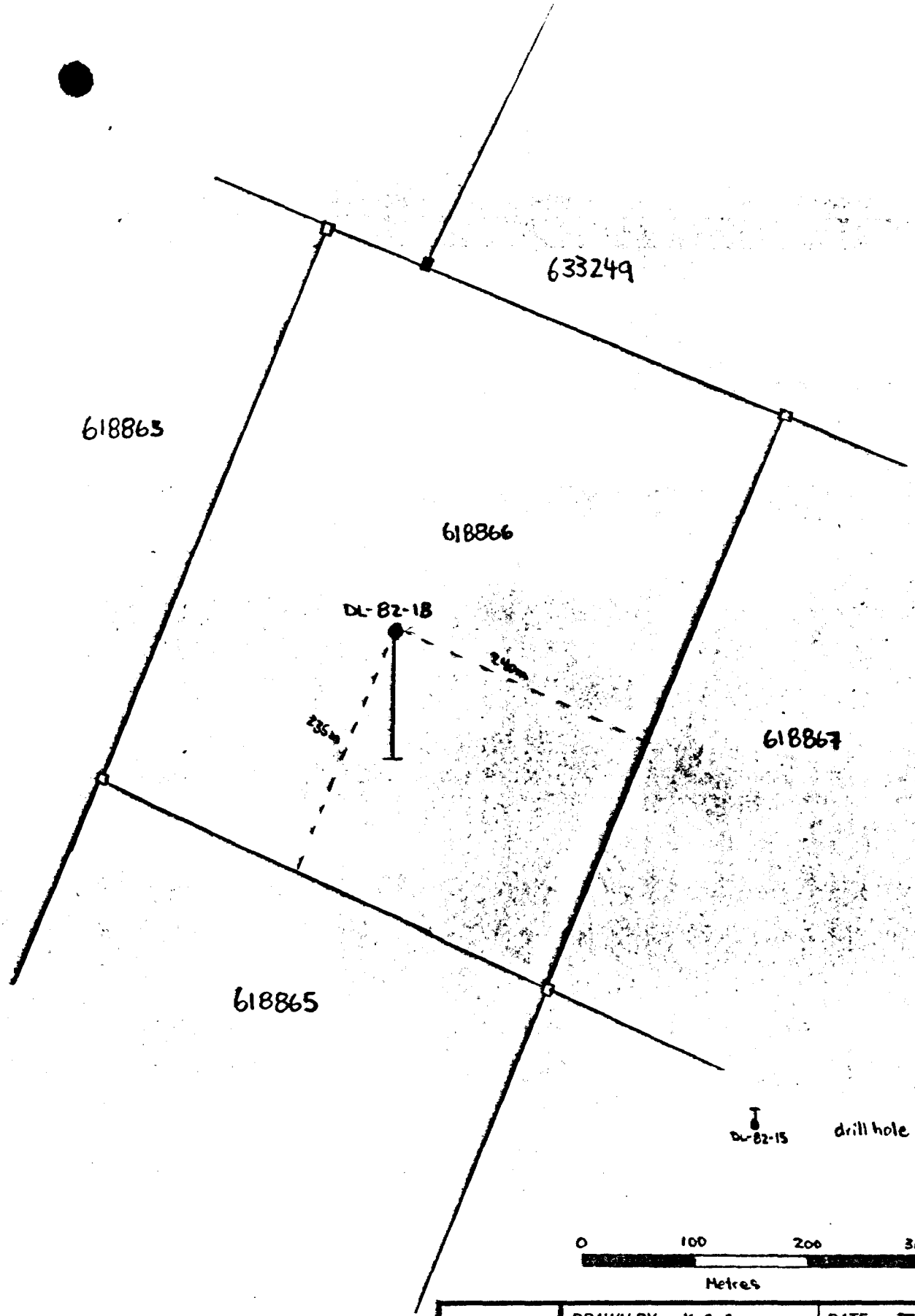
PROJECT ABITIBI VOLCANIC BELT PROPERTY DEETHLU SOUTH Date MARCH 1/83

DL-83-35 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)		
D00059	61.6	62.1	0.5	<1	48	29	<0.5	10	170	1	0.3		
00060	62.1	62.6	0.5	4	53	14	<0.5						
00061	62.6	63.1	0.5	4	42	17	<0.5	10	160	4	0.2		
00062	63.1	63.6	0.5	2	53	16	<0.5						
00063	63.6	64.1	0.5	2	83	65	1.0	10	150	<1	0.4		
00064	64.1	64.6	0.5	3	82	110	1.0						
00065	64.6	65.1	0.5	2	160	220	0.5	10	220	2	0.2		
00066	65.1	65.6	0.5	<1	79	35	0.5						
00067	65.6	66.1	0.5	3	51	52	<0.5	10	190	1	0.2		
00068	66.1	66.6	0.5	17	56	24	<0.5						
00069	66.6	67.1	0.5	1	35	12	<0.5	10	140	1	0.2		
00070	67.1	67.6	0.5	2	22	10	<0.5						
00071	67.6	68.1	0.5	6	41	12	<0.5	10	160	<1	0.3		
00072	68.1	68.6	0.5	2	55	14	<0.5						
00073	68.6	69.1	0.5	3	49	13	<0.5	10	150	5	0.2		
00074	69.1	69.6	0.5	<1	77	50	<0.5						
00075	69.6	70.1	0.5	1	53	40	0.5	10	180	3	0.2		
00076	70.1	70.6	0.5	3	55	190	<0.5						
00077	70.6	71.1	0.5	1	84	51	<0.5	10	170	1	0.2		
00078	71.1	71.6	0.5	2	90	100	<0.5						
00079	71.6	72.0	0.4	<1	55	150	<0.5	10	230	15	0.3		
00080	72.0	72.5	0.5	3	940	1900	2.0						

[redacted] RI[redacted] C[redacted]E [redacted]SA[redacted] [redacted] [redacted] [redacted] [redacted]ge [redacted] of [redacted]

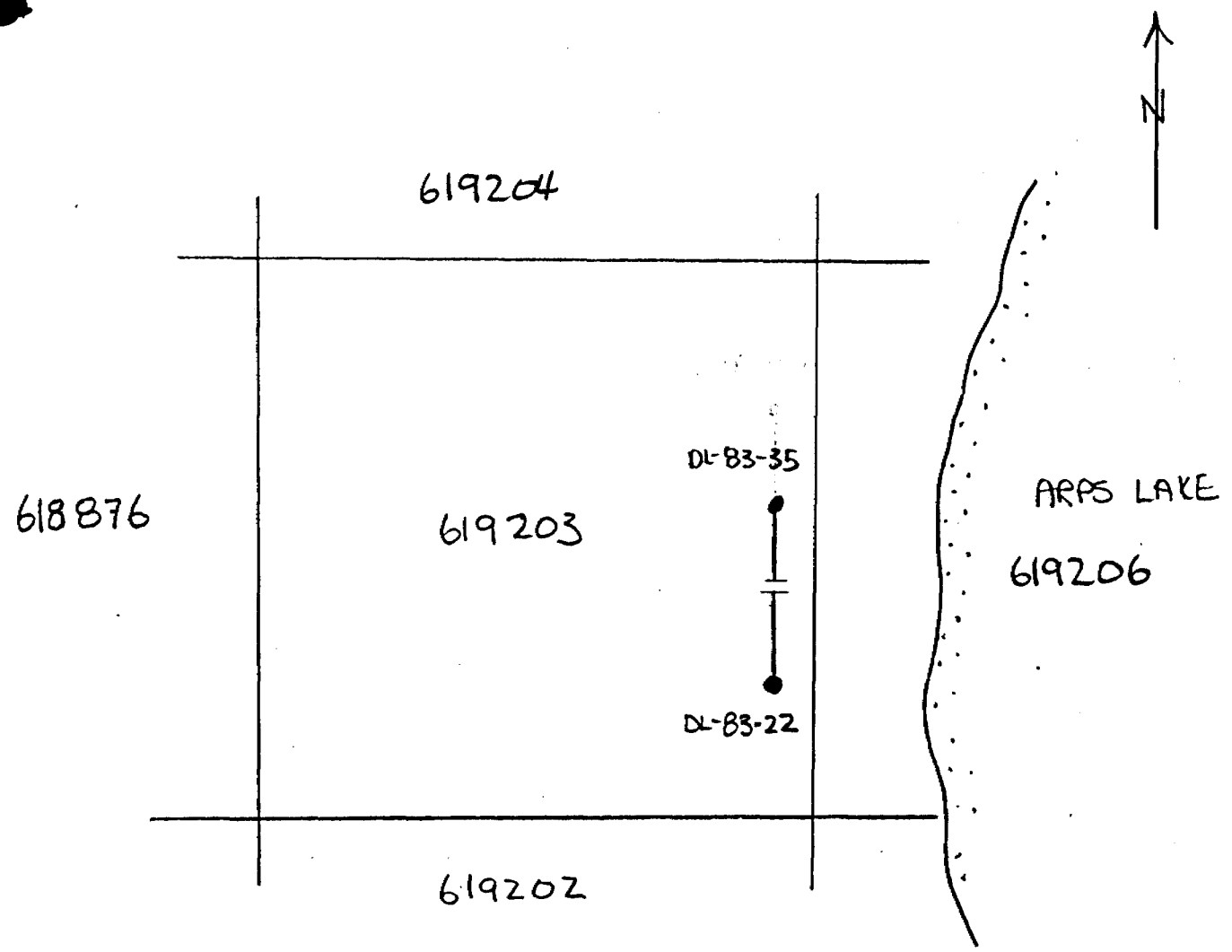
PROJECT ABITIBI VOLCANIC BELT PROPERTY DETOUR SOUTH Date MARCH 1/85

DL-83-35 DRILL HOLE NO.	From (m.)	To (m.)	Width (m.)	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	Bi (ppm)	Mn (ppm)	Mo (ppm)	Pb (ppm)	
D00037	52.1	52.3	0.2	1	42	46	<0.5	25	370	<1	0.6	
00038	52.3	52.8	0.5	37	280	25	0.5	–	–	–	–	
00039	52.8	53.3	0.5	2	100	22	<0.5	10	230	<1	0.2	
00040	53.3	53.9	0.6	5	110	28	0.5	–	–	–	–	
00041	53.9	54.4	0.5	5	120	18	<0.5	10	200	<1	0.2	
00042	54.4	54.9	0.5	3	120	15	<0.5	–	–	–	–	
00043	54.9	55.4	0.5	1	120	38	<0.5	10	180	<1	0.1	
00044	55.4	55.55	0.15	2	66	64	<0.5	–	–	–	–	
00045	55.55	56.0	0.55	4	73	27	<0.5	10	190	2	0.2	
00046	56.0	56.4	0.4	2	69	22	<0.5	–	–	–	–	
00047	56.4	56.6	0.2	1	240	36	1.0	25	350	5	0.3	
00048	56.6	57.1	0.5	2	85	26	0.5	–	–	–	–	
00049	57.1	57.6	0.5	2	100	19	<0.5	10	600	3	0.2	
00050	57.6	58.1	0.5	1	60	21	<0.5	–	–	–	–	
00051	58.1	58.6	0.5	2	120	23	0.5	10	580	6	0.4	
00052	58.6	59.1	0.5	1	150	27	0.5	–	–	–	–	
00053	59.1	59.6	0.5	4	98	14	<0.5	10	160	<1	0.2	
00054	59.6	60.1	0.5	2	110	18	<0.5	–	–	–	–	
00055	60.1	60.6	0.5	2	84	19	<0.5	10	260	2	0.1	
00056	60.6	60.9	0.3	2	120	40	0.5	–	–	–	–	
00057	60.9	61.1	0.2	<1	340	76	1.0	10	300	5	0.3	
00058	61.1	61.6	0.5	2	51	71	0.5	–	–	–	–	



DRAWN BY: K.S.S.	DATE: Jan 183
CHECK'D BY:	DRAW'G No:
N.T.S.: 32 E 12	SCALE: 1 : 5,000

Getty Canadian Metals, Ltd.

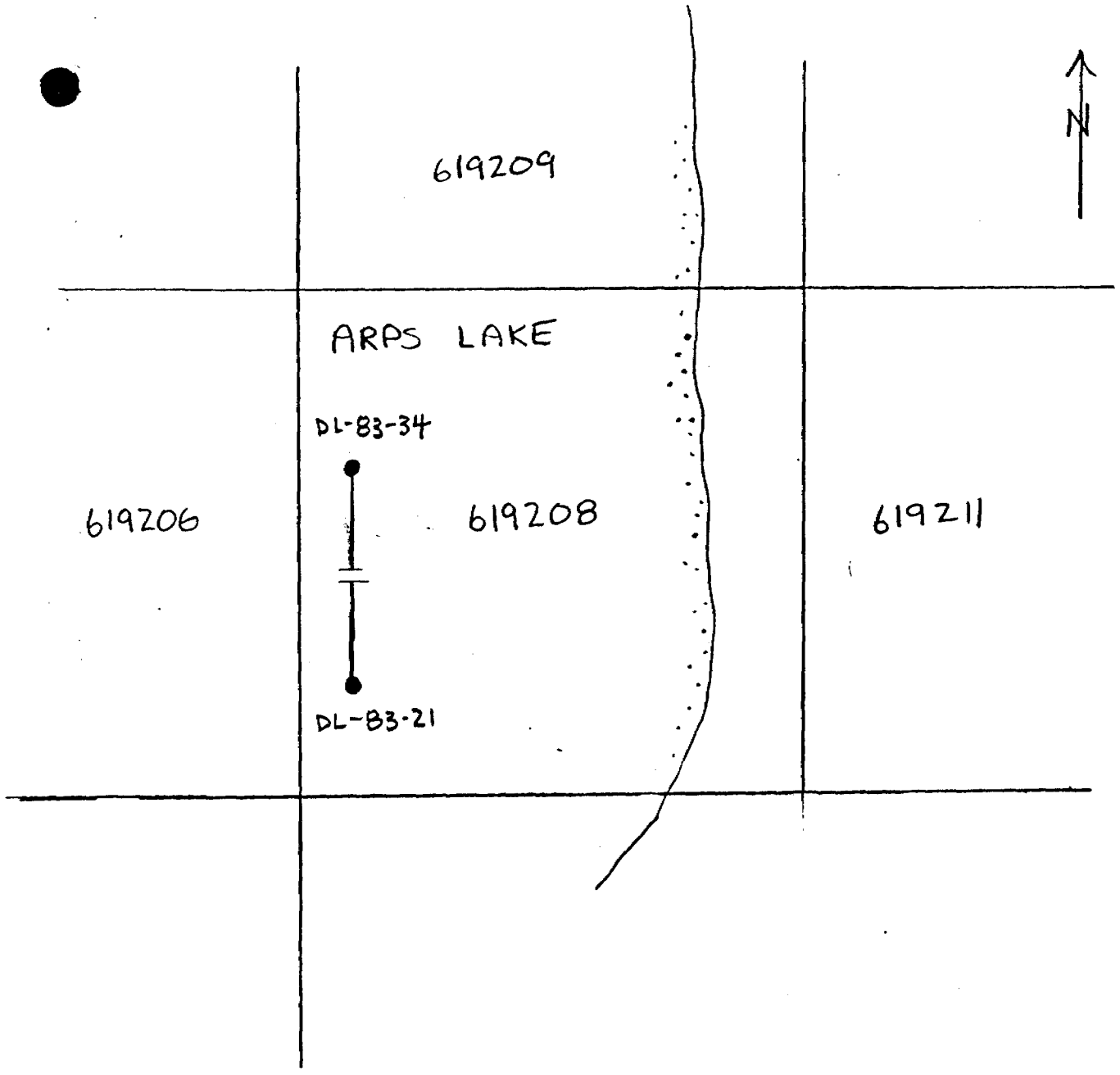


0 300

metres

DRAWN BY: K.S.	DATE: OCT 83
CHECK'D BY:	DRAW'G No
NTS: 82 E/13	SCALE: 1:5,000

Getty Canadian Metals, Ltd.



0 300

metres

DRAWN BY: K.S.		DATE: OCT 83	
CHECK'D BY:		DRAW'G No	
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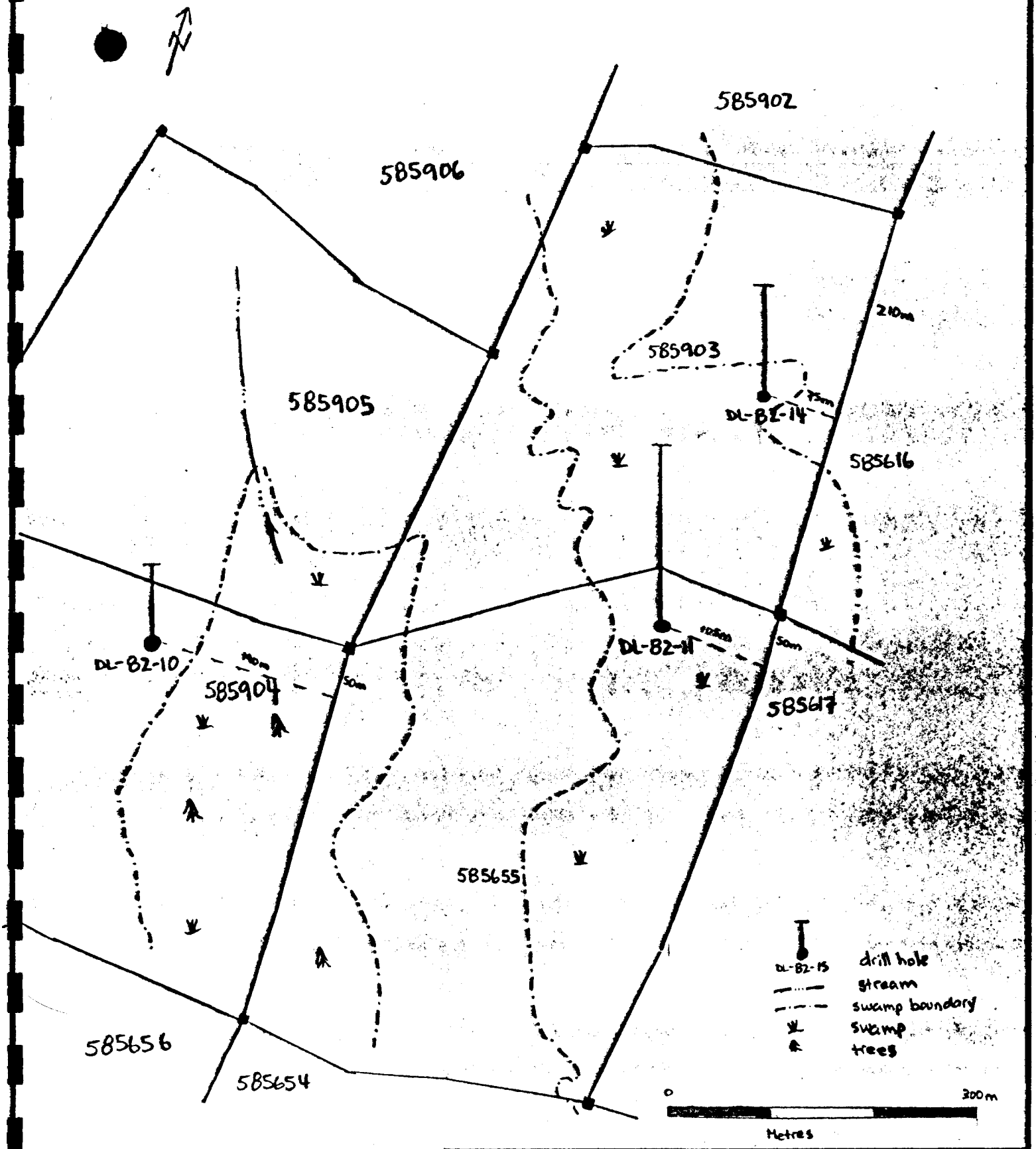
Getty Canadian Metals, Ltd.



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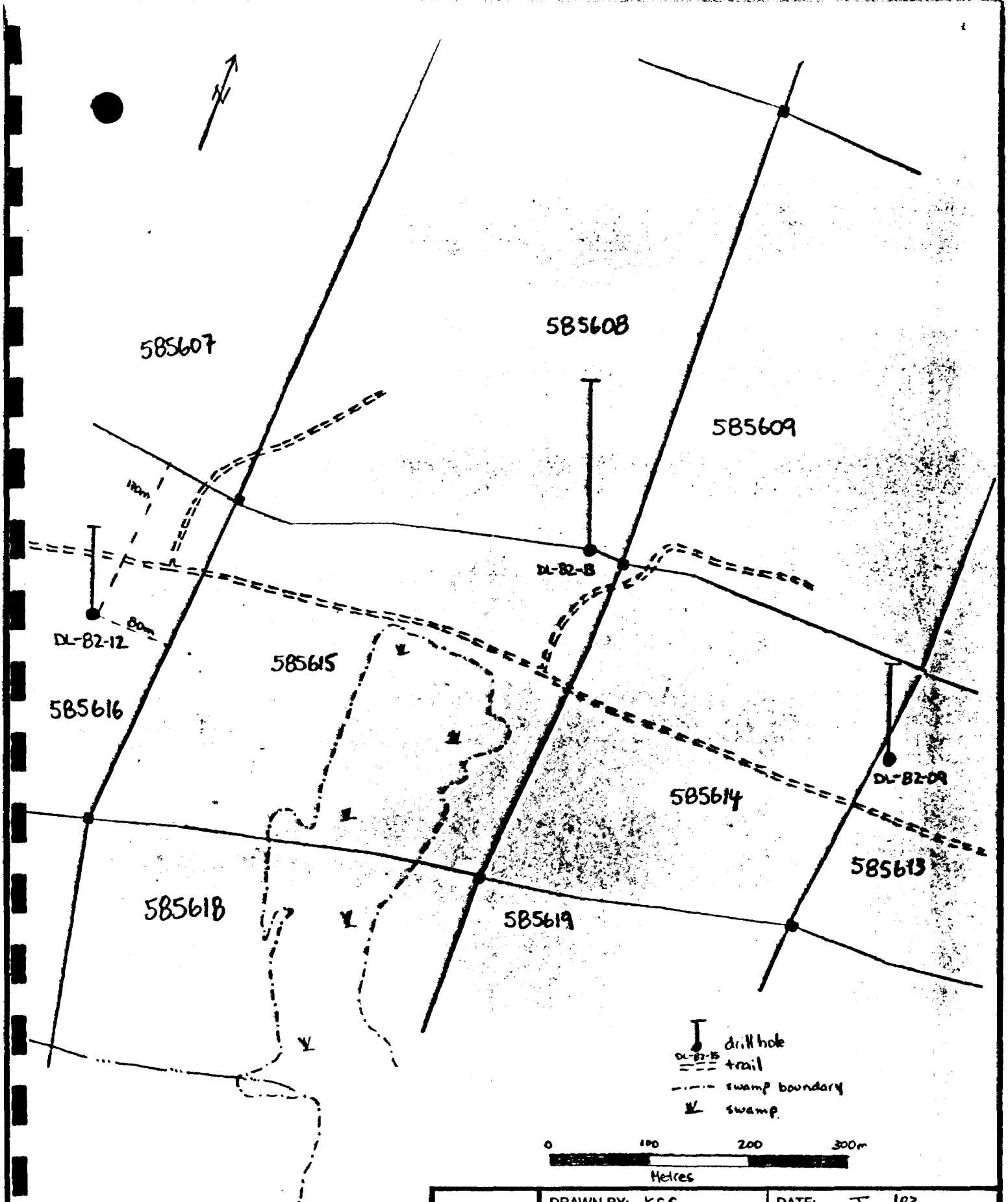
CHECK'D BY:	DRAW'G No:
N.T.S.: 32 E /13	SCALE: 1:5,000

Getty Canadian Metals, Ltd.



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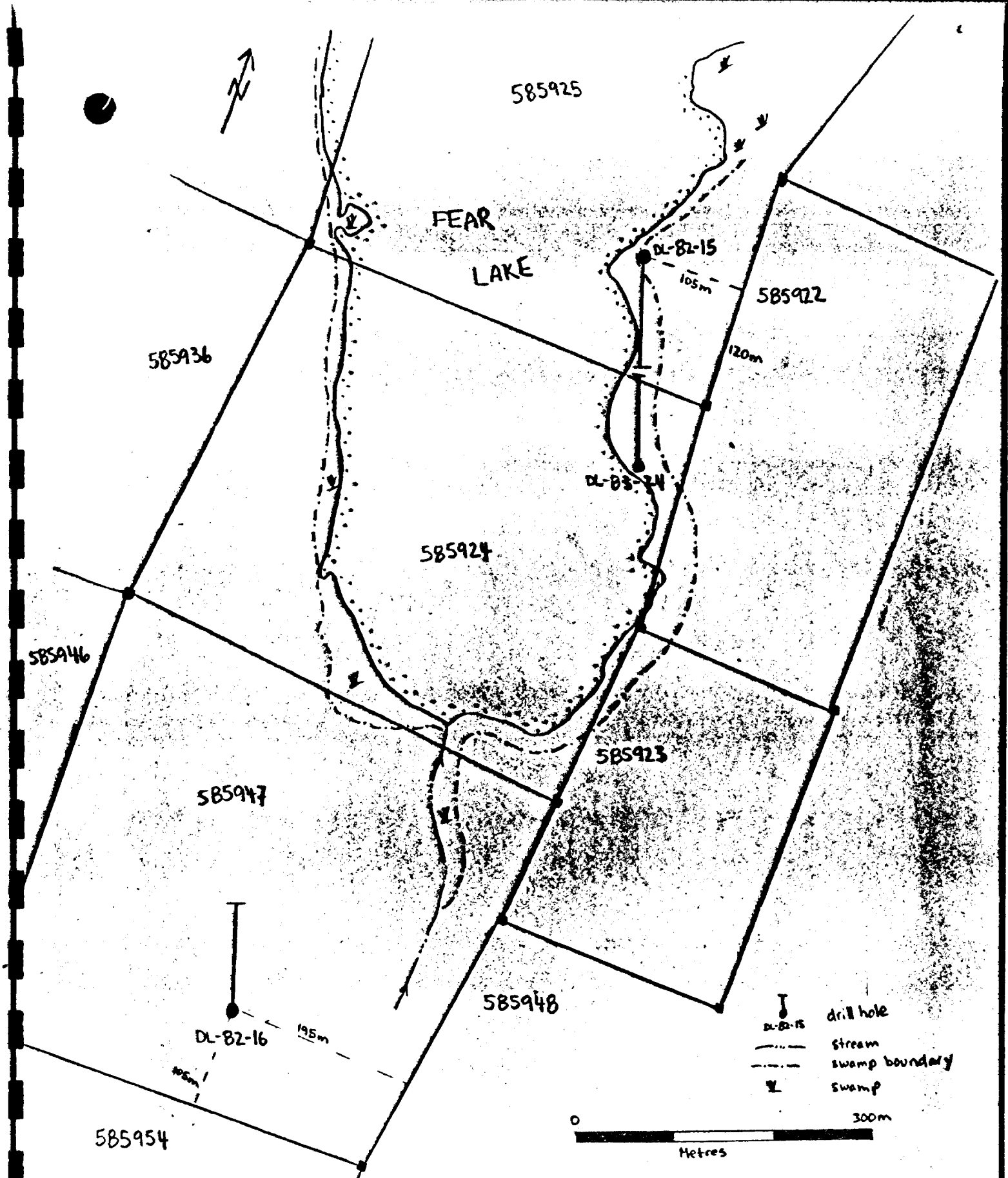
CHECK'D BY:	DRAW'G No:
N.T.S.: 32 E/13	SCALE: 1:5,000

Getty Canadian Metals, Ltd.



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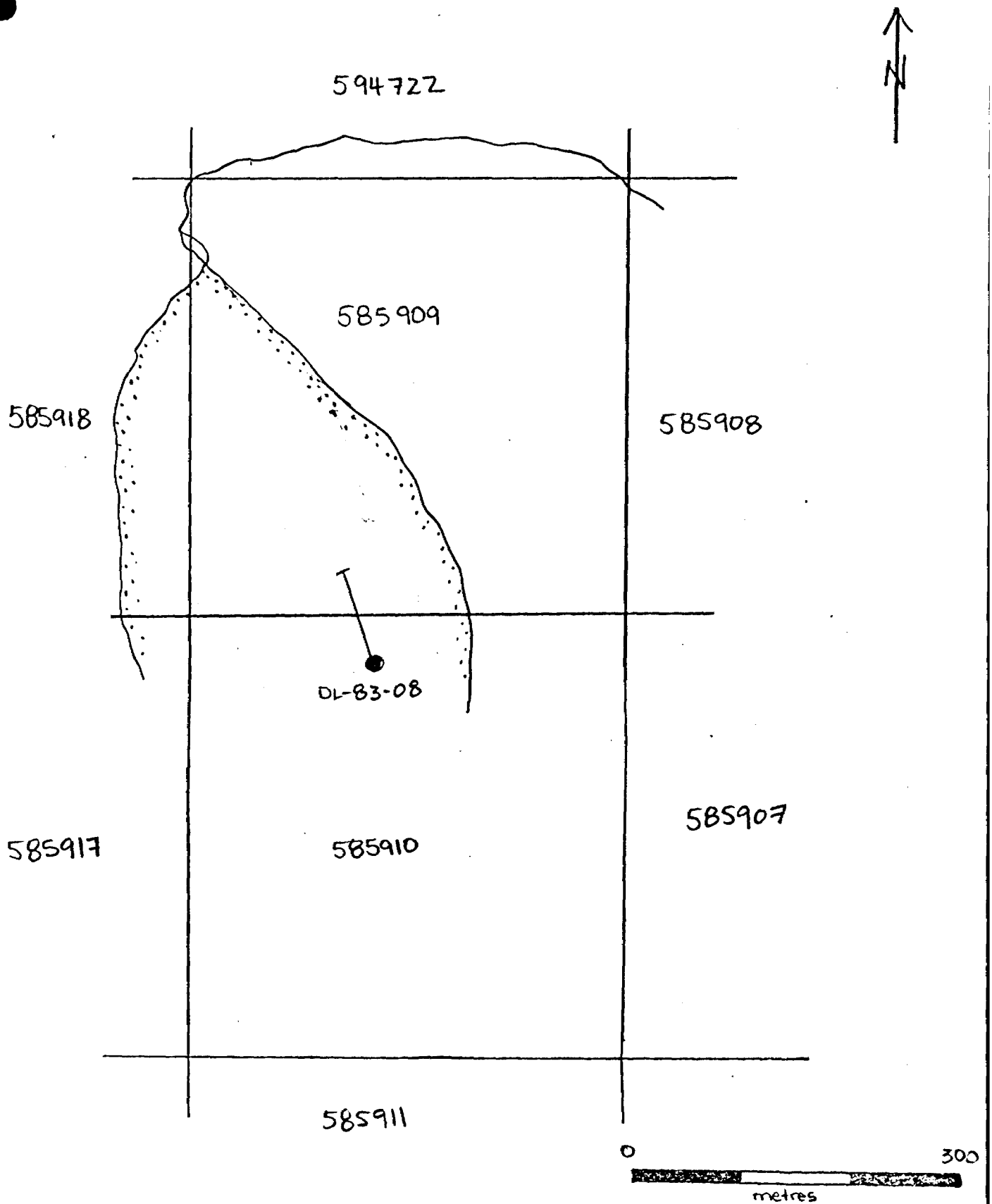
CHECK'D BY:	DRAW'G No:
N.T.S.: 32 E/15	SCALE: 1:5,000

Getty Canadian Metals, Ltd.



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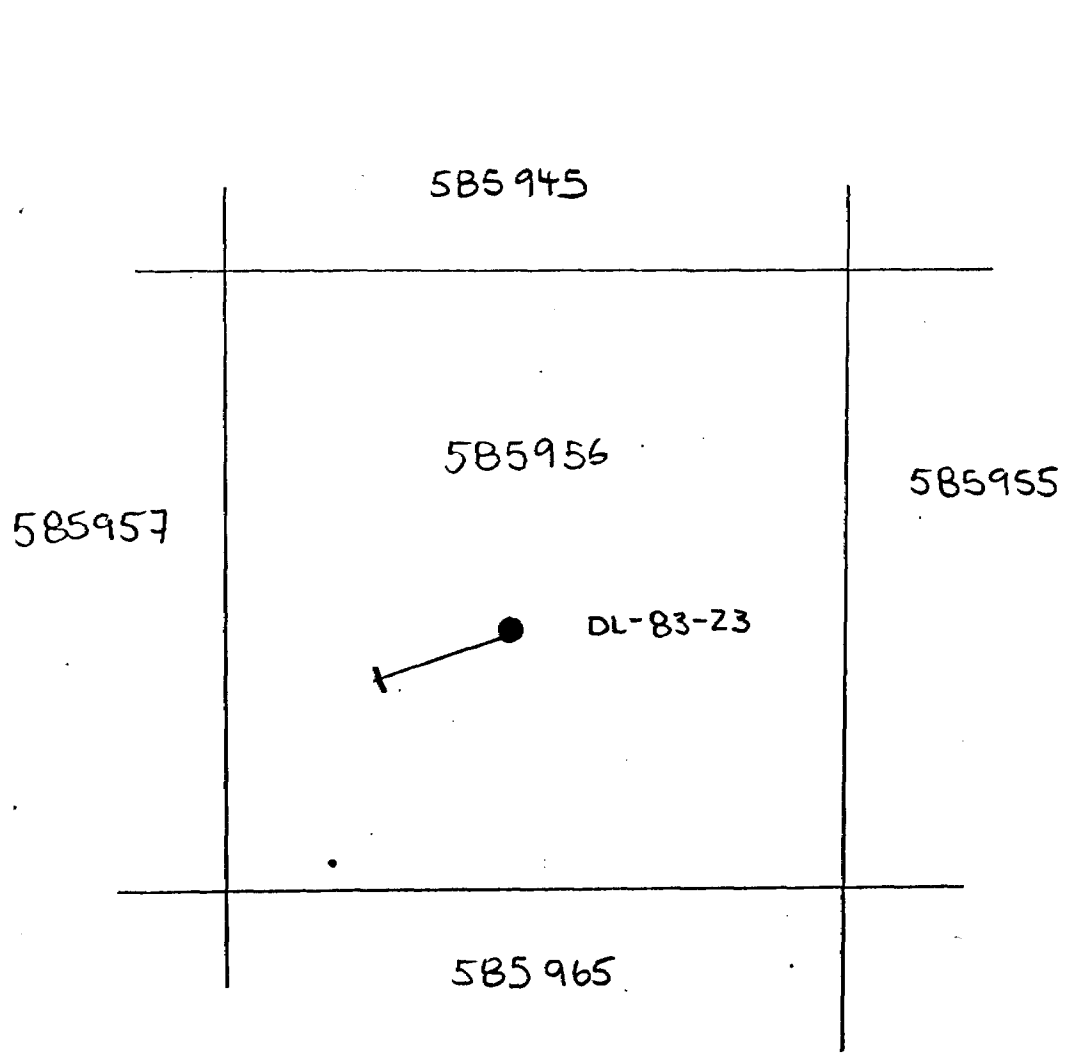
CHECK'D BY:		DRAW'G No.
NTS: 32 E/13		SCALE: 1:5,000

Getty Canadian Metals, Ltd.



0 300

metres

DRAWN BY: K.S.		DATE: OCT 83	
CHECK'D BY:		DRAW'G No:	
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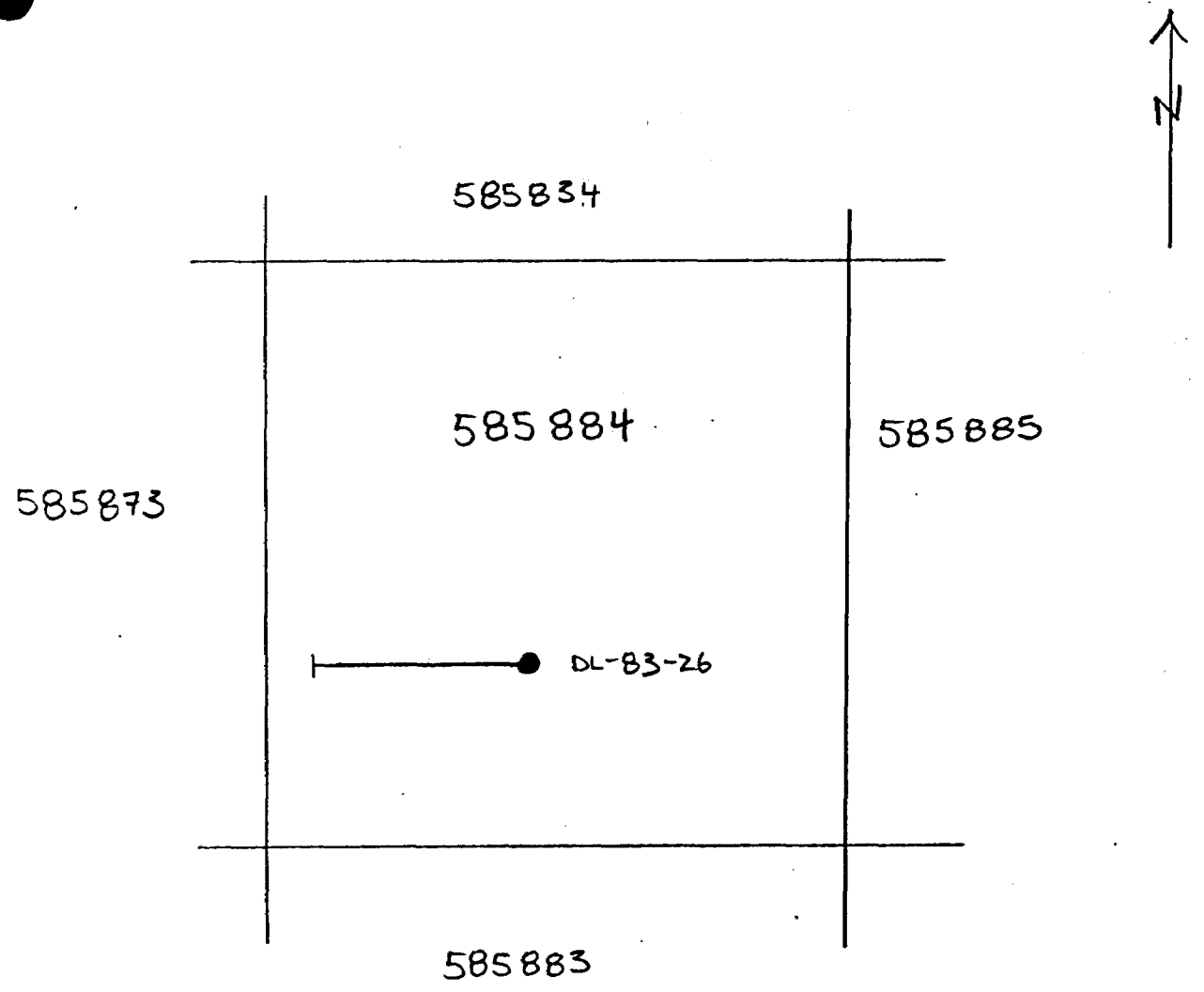
Getty Canadian Metals, Ltd.



0 300

metres

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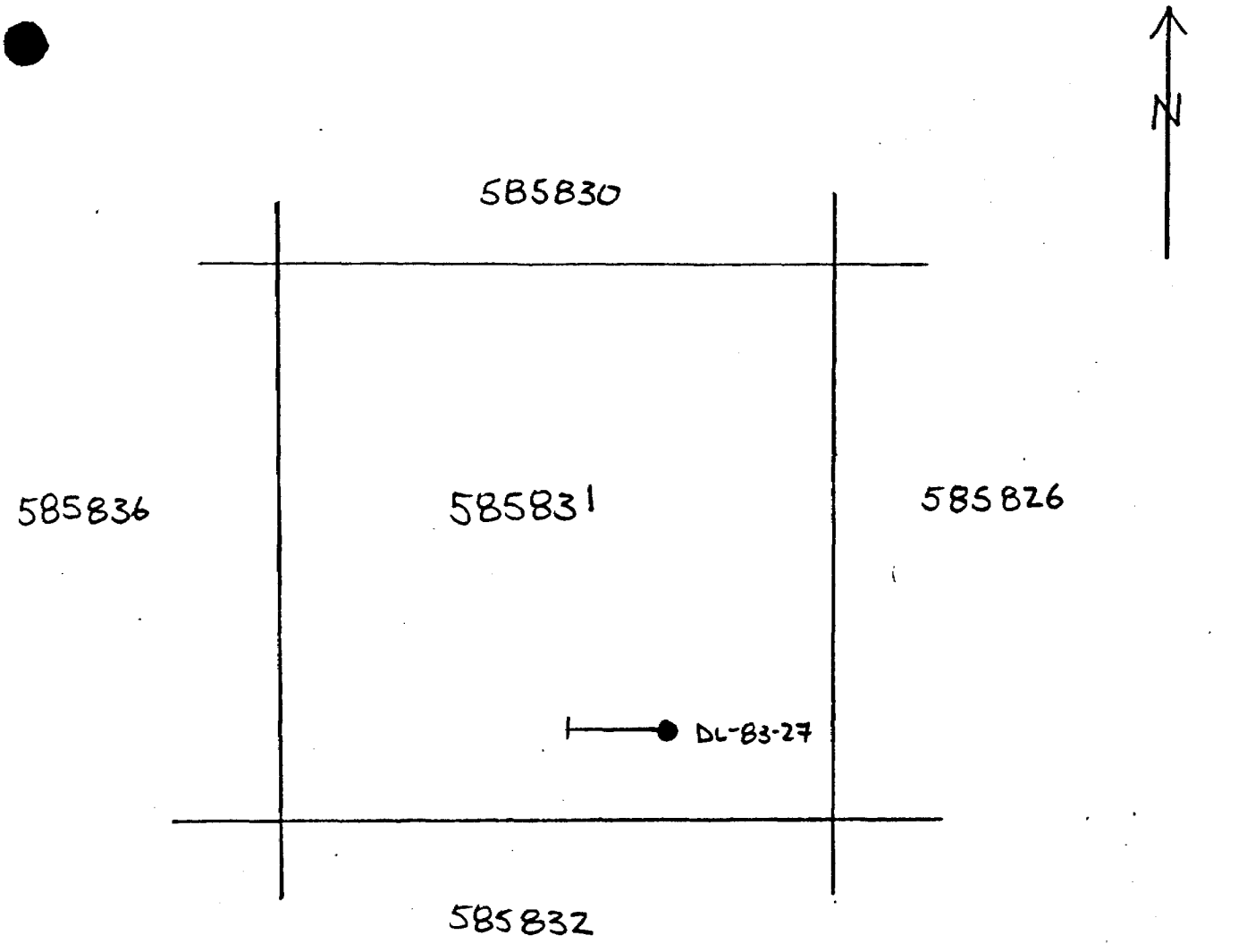
CHECK'D BY:		DRAW'G No:
NTS: 32 E/13		SCALE: 1:5,000

Getty Canadian Metals, Ltd.



0 300

metres

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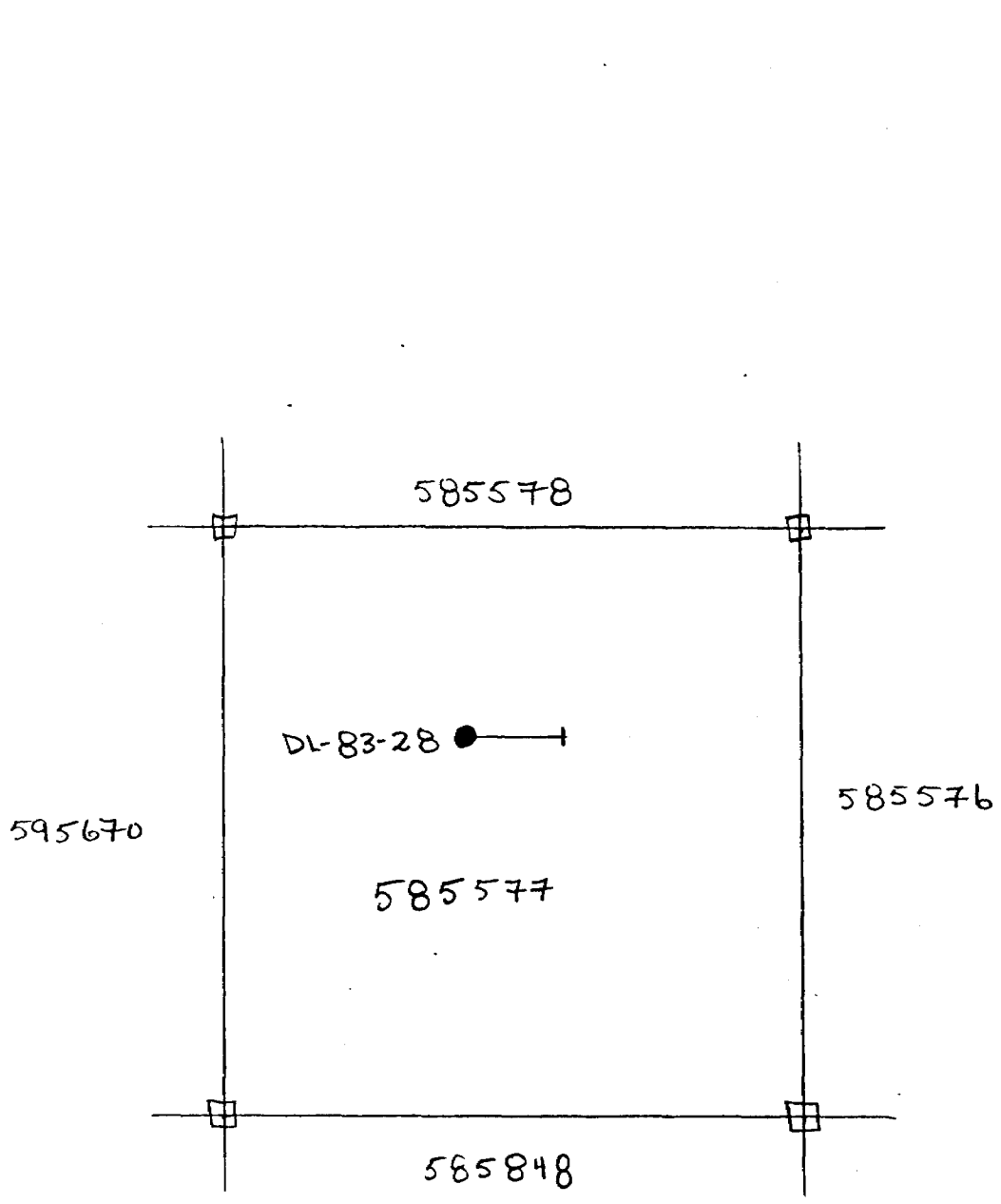
CHECK'D BY:		DRAWG No.
NTS: 32 E 13		SCALE 1:5,000

Getty Canadian Metals, Ltd.



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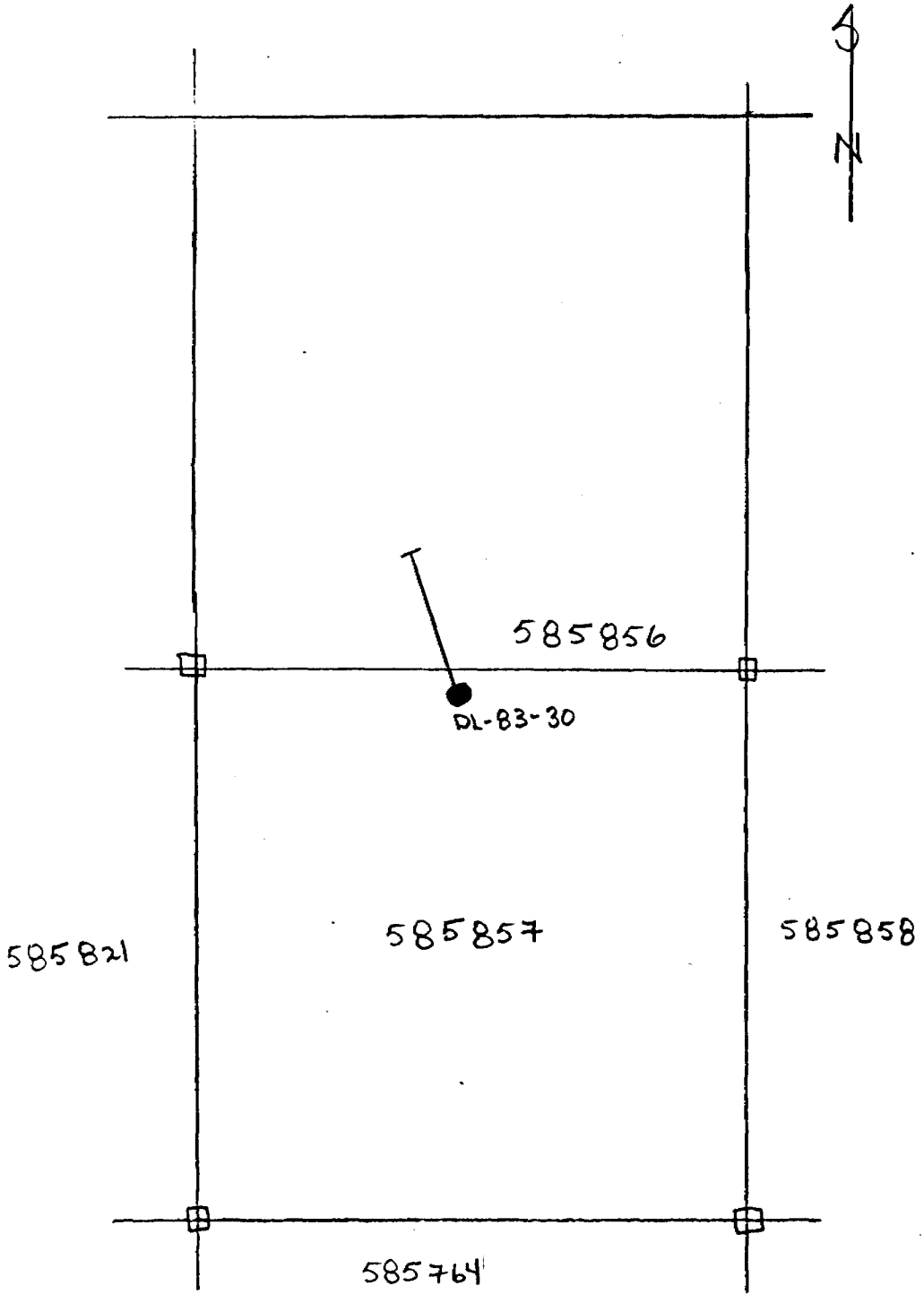
CHECK'D BY:	DRAW'G No:
NTS 32 E/12	SCALE 1:5000

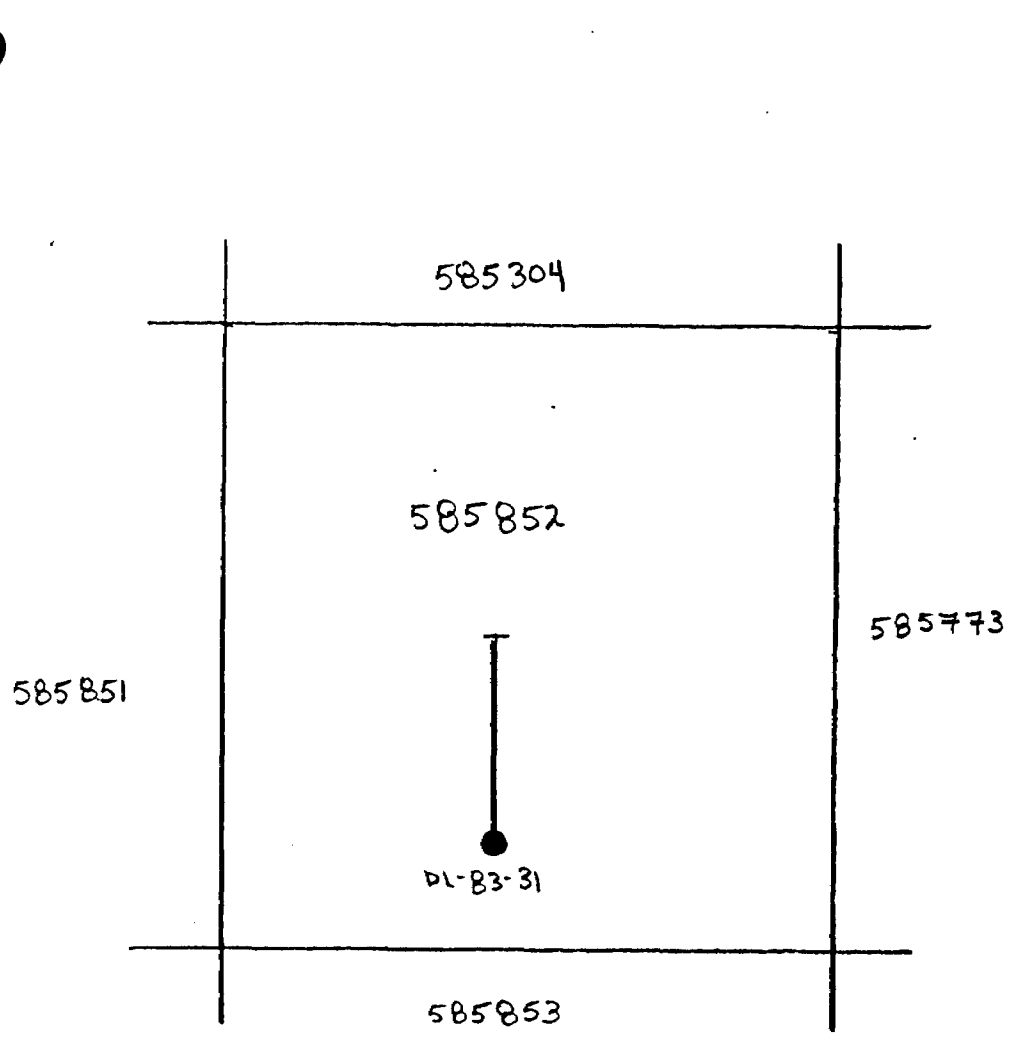
Getty Canadian Metals, Ltd.



0 METRES 300

DRAWN BY: DCR	DATE: SEPT/83
CHECK'D BY:	DRAW'G No.
NTS: 32 E/13	SCALE 1:5000

Getty Canadian Metals, Ltd.

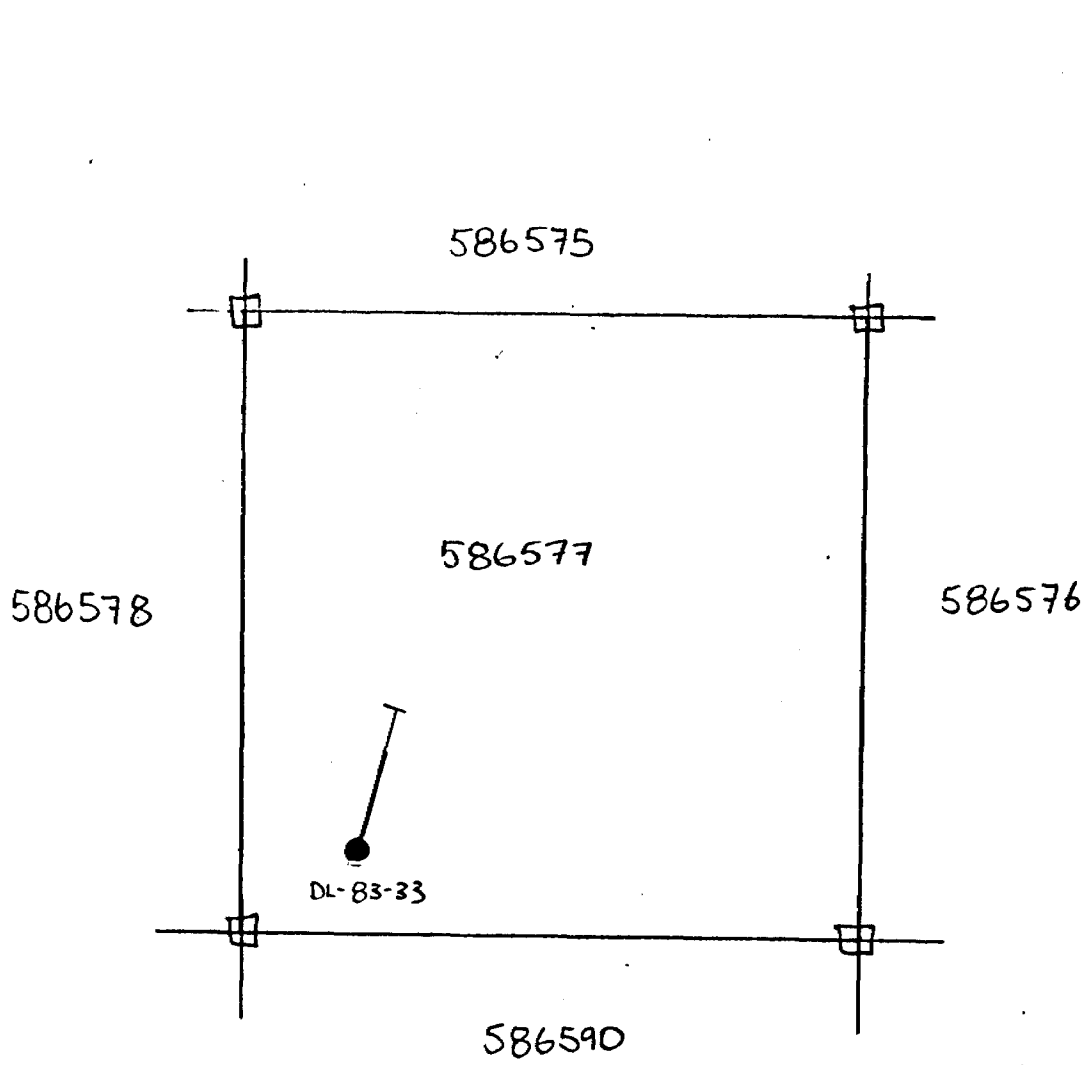


0 300

METRES

DRAWN BY: DCA.		DATE: SEPT. 1983
CHECK'D BY:		DRAW'G No:
NTS: 32 E/13		SCALE: 1:5000

Getty Canadian Metals, Ltd.



0 300

metres

DRAWN BY: K.S.	DATE: OCT. 83
CHECK'D BY:	DRAW'G No:
NTS: 32 E/13	SCALE: 1:5000

Getty Canadian Metals, Ltd.

Ministry of Natural Resources
Ontario

Report of Work

#321/83

The Mir

32E13SE0022 33 ATKINSON LAKE

900

Name [redacted]tal Address of Recorded Holder

GETTY CANADIAN METALS, LIMITED Atkinson Lake Area T-890

1200-150 YORK STREET, TORONTO, ONTARIO M5H 3S5

WAS 86 321

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
2059									
for Performance of the following work. (Check one only)									
☐ Manual Work									
☐ Shaft Sinking Drifting or other Lateral Work.									
☐ Compressed Air, other Power driven or mechanical equip.									
☐ Power Stripping									
☒ Diamond or other Core drilling		See attached list	(B)						
☐ Land Survey									

All the work was performed on Mining Claim(s): see attached list (A)

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

PORCUPINE MINING DIVISION
RECEIVED
OCT 25 1983
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

RECORDED
OCT 25 1983
Receipt no. [illegible]

Date of Report	Recorded Holder or Agent (Signature)
October 18, 1983	K Sutherland

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying

Karen Sutherland, C/O Getty Canadian Metals, Limited

1200-150 York Street, Toronto, Ontario M5H 3S5

Date Certified	Certified by (Signature)
October 18 1983	K Sutherland

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

7553 (81/3)

ATTACHMENTS REQUIRED BY MINING RECORDER

FOR

DIAMOND DRILLING

Submitted by

Getty Canadian Metals, Limited

Drill logs and drill hole location maps are submitted for the following five drill holes: DL-82-18, DL-83-21, DL-83-22, DL-83-34 and DL-83-35.

Total metreage for the five holes drilled is 627.6 m (2059 ft) for total work days credit of 2059 days.

A list of claims to which the drill credits are to be applied is attached.

Karen Sutherland
Geologist

October, 1983
Toronto, Ontario

(A)

DETOUR LAKE

DRILL HOLE LOCATION TABLE

ATTACHMENT FOR THE REPORT OF WORK

Claim No.	Drill Hole No.	Metreage
618866	DL-82-18	148.1
619208	DL-83-21	152.7
619203	DL-83-22	101.2
619208	DL-83-34	125.0
619203	DL-83-35	100.6
		627.6 m
		or 2059 ft.

(B)

DETOUR LAKE

40 DAYS DIAMOND DRILLING ASSESSMENT

P619058
P619059
P619060
P619061
P619062
P619063
P619064
P619065
P619066
P619067
P619068
P619069
P619070
P619071
P619072
P619073
P619074
P619075
P619076
P619077

P619141
P619142
P619143
P619144
P619145
P619146
P619147
P619148
P619149
P619150
P619151
P619152
P619153
P619154
P619155
P619156
P619157
P619158
P619159
P619160
P619161
P619162
P619163
P619164

44 claims.

DETOUR LAKE

60 DAYS DIAMOND DRILLING ASSESSMENT

P633245
633246
633247
633248

59 DAYS DIAMOND DRILLING ASSESSMENT

P633244

5 claims

Ministry of Natural Resources
Ontario

Report of Work

#323/83

The Mining Act

Instructions – Supply required data on a separate form for each type of work to be recorded (see table below).
For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Name and Address of Recorded Holder
Getty Canadian Metals, Limited
Suite 1200-150 York Street, Toronto, Ontario M5H 3S5

ATIKINSON LAKE
LOWER Detour LAKE AREA

Prospector's Licence No.
T-890

WP7 06 713

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 7828	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
for Performance of the following work. (Check one only)									
☐ Manual Work									
☐ Shaft Sinking Drifting or other Lateral Work.									
☐ Compressed Air, other Power driven or mechanical equip.									
☐ Power Stripping									
☒ Diamond or other Core drilling		See attached List (B)							
☐ Land Survey									

All the work was performed on Mining Claim(s): See attached List (A)

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

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
NOV 22 1983
RECEIVED

PORCUPINE MINING DIVISION
RECEIVED
OCT 25 1983
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

RECORDED
OCT 25 1983
Receipt No.

Date of Report	Recorded Holder or Agent (Signature)
October 18,1983	K Sutherland

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
Karen Sutherland, Getty Canadian Metals, Limited
1200-150 York Street, Toronto, Ontario M5H 3S5

Date Certified	Certified by (Signature)
October 18,1983	K Sutherland

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

ATTACHMENTS REQUIRED BY MINING RECORDER

FOR

DIAMOND DRILLING

Submitted by

Getty Canadian Metals, Limited

Drill logs and drill hole location maps are submitted for the following fourteen drill holes: DL-82-09, DL-82-10, DL-82-11, DL-82-13, DL-82-15, DL-82-16, DL-83-08, DL-83-23, DL-83-26, DL-83-27, DL-83-28, DL-83-30, DL-83-31 and DL-83-33.

Total metreage for the fourteen holes drilled is 2386.1 m (7828 ft) for total work days credit of 7828 days.

A list of claims to which the drill credits are to be applied is attached.

K.S. Sutherland
Geologist

October, 1983
Toronto, Ontario.

(A)

DETOUR LAKE

DRILL HOLE LOCATION TABLE

ATTACHMENT FOR REPORT OF WORK

CLAIM NO.	DRILL HOLE NO.	METREAGE
585614/585613	DL-82-09	154.2
585905/585904	DL-82-10	123.1
585903/585655	DL-82-11	248.7
585615/585608	DL-82-13	230.4
585925	DL-82-15	174.3
585947	DL-82-16	166.1
585909/585910	DL-83-08	144.5
585956	DL-83-23	139.3
585884	DL-83-26	242.9
585831	DL-83-27	111.9
585577 — LOWER DETOUR	DL-83-28	106.7
585857	DL-83-30	167.9
585852 LOWER DETOUR	DL-83-31	230.7
586577	DL-83-33	145.4
		2386.1 m
		or 7828 ft.

(B)

DETOUR LAKE

20 DAYS DIAMOND DRILLING ASSESSMENT

P585608	P585964	
585609	585965	
585610		
585611	P586354	
585613	586355	
585614		29 claims
585615		
585899		
585900		
585908		
585909		
585918		
585922		
585923		
585935		
585936		
585945		
585946		
585947		
585948		
585953		
585954		
585955		
585956		
585957		

DETOUR LAKE

40 DAYS DIAMOND DRILLING ASSESSMENT

P585966	P585920	P586527
585951	585907	586528
585952	585917	586531
585949	585606	586532
585950	585605	
585656	585604	
585654	585603	
585617	585602	
585655	585247	
585904	585248	
585913	585914	
585924	585901	
585925		
585915		
585912		
585905		
585903		
585616		
585607		
585902		
585906		
585911		
585916		
585921		
585926		
585930		

42 claims

DETOUR LAKE

60 DAYS DIAMOND DRILLING ASSESSMENT

P585304	P585821	P585856
586356	585822	585857
586357	585825	585858
	585829	585873
585562	585830	585874
585563	585831	585875
	585832	585876
585565	585833	585879
585566	585834	585880
585567	585835	585881
585568	585836	585882
585569	585837	585883
585570	585838	585884
585571	585839	585885
585573	585840	
585574	585841	585910
585575	585842	
558576	585843	
585577	585845	
585578	585846	
	585848	
585772	585851	
585773	585852	
585774	585853	
	585854	
	585855	

62 claims

DETOUR LAKE

80 DAYS DIAMOND DRILLING ASSESSMENT

P585780
585781
585785
585792
585797

P586508
586509
586510
586513
586514
586515
586516
586517
586575
586576
586577
586578
586579
586580
586581
586590
586591

22 claims

DETOUR LAKE

88 DAYS DIAMOND DRILLING ASSESSMENT

P585564

1 claim

Getty

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

October 26, 1983.

Mining Recorder
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Attention: Mr. W. Good

Dear Mr. Good,

Re: Reports of Work
i) P585608 et al (7828 days)
ii) P619058 et al (2059 days)
iii) P585579 et al (341 days)
Detour Lake Property, Ontario

Enclosed please find the required attachments for the Reports of Work for diamond drilling noted above.

I trust you will find the enclosed to be in order.

Please acknowledge receipt of these reports.

Yours very truly,

K Sutherland

Karen Sutherland
Geologist

c.c. Greg Jarvis.

Attach: