32E13NE0045 35 LOWER DETOUR LAKE

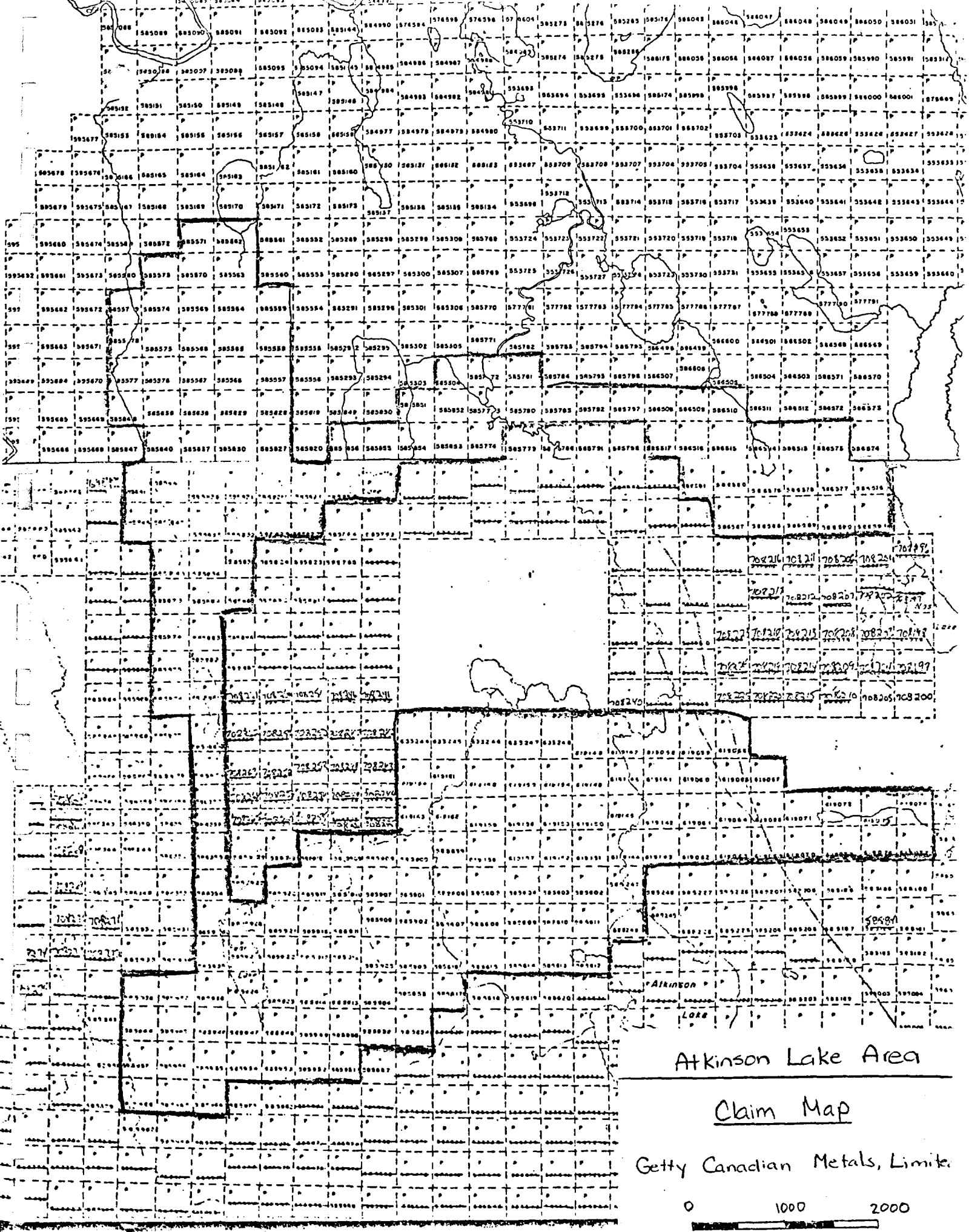
Diamond Drilling

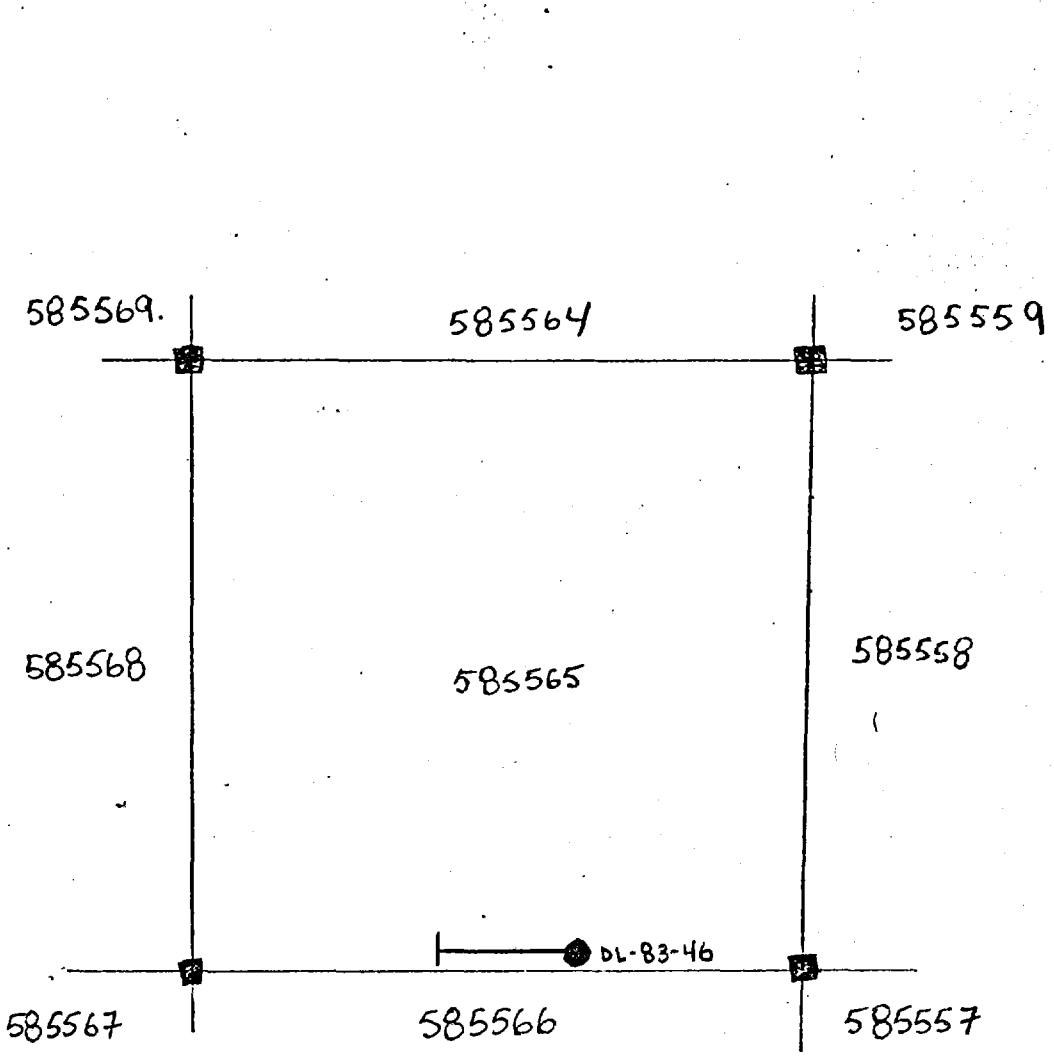
Area Lower Detour Lake Report Nº 35

Work performed by: Getty Canadian Metals Ltd.

Claim Nº	Hole Nº	Footage	Date	Note
P 585565	DL-83-46	198.1m	Dec/83	(1)
	DL-83-48	188.1m	Jan/84	(1)
P 585566	DL-83-47	203m	Jan/84	(1)
P 585773	DL-83-49	191.1m	Dec/83	(1)
P 585563	DL-83-50	191.2m	Jan/84	(1)
P 585573	DL-83-51	206.3m	Jan-Feb/84	(1)
	6 holes	1177.8 m.		

Notes: (1) #125-85


Atkinson Lake Area
Claim Map
Getty Canadian Metals, Limited
0
1000
2000
metres
1:50,000



LOCATION MAP
DL-83-46

0 300
metres

DRAWN BY: DCR		DATE: JAN 84
CHECK'D BY:		DRAW'G No:
N.T.S. 32E/13		SCALE 1:5,000

Getty Canadian Metals, Ltd.

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DRILL HOLE LOG

Hole Number DL-B3-46

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

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

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

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

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

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

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

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DRILL HOLE LOG

Hole Number DL-83-46

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

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DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
49.5	50.4	FELSIC FELDSPAR CRYSTAL TUFF								
			3568	49.5	50.0	0.5	15	120	43	2.0
			3569	50.0	50.4	0.4	42	40	150	0.5
		- coarse grained, light green, very hard, non magnetic felsic crystal tuff								
		- contains 50% subhedral to euhedral feldspar crystals in a light green, cryptocrystalline quartz rich matrix								
		- light green colour presumably due to sericitization of fine grained feldspar in the groundmass								
		- 1cm wide veinlet of coarse grained pyrite oriented at 10° to core axis at 49.8 - 49.15m								
		- contacts distinct oriented at 70° to core axis								
50.4	50.9	MAGNETITE + PYRITE ± PO BEARING CHERT								
			3570	50.4	50.9	0.5	5	140	1300	2.0
		- identical (with exceptions noted below) to that described at 42.2 - 49.5m								
		- magnetite does not form thick bands but is disseminated throughout the top section at 50.4 - 50.5m so this section is not as magnetic as previous unit								
		- contains 10% diss. and fracture controlled py + po (9:1)								

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DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
50.9	53.4	FELSIC FELSPAR CRYSTAL TUFF								
		- as described previously at 49.5-50.4m	3571	50.9	51.4	0.5	2	29	98	1.0
		- lower section from 52.4-53.4 is not crystal	3572	51.4	51.9	0.5	3	17	42	0.5
		tuff but felsic tuff similar to the grey un-	3573	51.9	52.4	0.5	<2	11	49	0.5
		silicified sections described at 19.2-47.7m	3574	52.4	52.9	0.5	5	230	650	1.5
		- contains 3% fracture controlled pyrite but	3575	52.9	53.4	0.5	<2	18	210	1.0
		this is concentrated at 52.85-52.90m, 53.15-53.2m								
		- contains hairline fractures with chlorite along								
		45°								
53.4	58.9	CONDUCTOR - Po bearing CHERT w/ ARGILLITE								
			3576	53.4	53.9	0.5	7	270	880	2.5
		- this unit has some excellent conductive	3577	53.9	54.4	0.5	28	230	2000	4.5
		sections and is responsible for the max-min	3578	54.4	54.9	0.5	2	84	270	1.0
		anomaly which was drilled	3579	54.9	55.4	0.5	4	140	1300	2.5
		- in general this unit consists of 50% grey white	3580	55.4	55.9	0.5	29	350	380	3.0
		banded and brecciated chert, 25% massive, bedded	3581	55.9	56.4	0.5	19	660	1100	3.5
		and fracture-controlled po, and 25% very fine	3582	56.4	56.9	0.5	13	310	3500	3.5
		grained black argillite which is slightly magnetic	3583	56.9	57.4	0.5	12	260	2400	4.5
		and probably contains some (1-2%) fine grained	3584	57.4	57.9	0.5	21	180	3000	3.0
		magnetite	3585	57.9	58.4	0.5	39	210	220	2.0
		- the best conductive section is located at 55.75-	3586	58.4	58.9	0.5	130	280	280	2.0
		56.3m and consists of 90% massive po and								
		10% brecciated chert with minor argillite								
		towards contacts								
		- other near massive sections of po are located								
		at 53.75-54.60, 56.9-57.0, 58.6-58.7, 58.85-58.90m								
		- lower contact is arbitrarily placed at the								
		last appearance of appreciable po and the								
		first appearance of appreciable magnetite								
		- chert is usually well banded but where abundant								
		po exists the velet is brecciated								
		- banding is oriented at 75-80° to core axis								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		- reddish garnet present at 50.7-58.8m, 58.1m					
		- py is present but makes up only about 2% of the total sulphide present and usually occurs as recrystallized later stage growths.					
		- at 54.0-54.2m excellent soft sediment slump structures preserved in well banded chert-argillite ± sulphidic rock					
		- fine grained (1mm) white aluminosilicate(?) disseminated in argillite at 57.4-57.8m - makes up approx. 75% of this short section					
		- minor chlorite (1%) also occurs in dominantly cherty sections					
		- after 57.8m the chert becomes cleaner (whiter) and the amount of argillite rapidly decreases.					
		- short section of felsic tuffaceous material at 57.9-58.0m.					

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DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
58.9	74.2	MAGNETITE - bearing CHERT ± PO, PY								
			3587	58.9	59.4	0.5	57	86	130	1.5
			3588	59.4	59.9	0.5	7	37	140	0.5
		- as previously described at 47.7 - 49.5m and 50.4 - 50.9m	3589	59.9	60.4	0.5	79	170	59	1.0
		- rock consists of 70% grey slate well layed chert, 20% disseminated and 1-2 cm thick black fine grained magnetic beds, 5% fine grained black argillite component, 3% py+py, 1% garnet, 1% chlorite	3590	60.4	60.1	0.5	32	62	100	1.0
			3591	60.9	61.4	0.5	35	180	66	1.5
			3592	61.4	61.9	0.5	150	280	65	4.0
			3593	61.9	62.4	0.5	49	110	65	2.5
			3594	62.4	62.9	0.5	11	47	76	0.5
			3595	62.9	63.4	0.5	23	78	67	1.0
			3596	63.4	63.9	0.5	30	84	88	1.0
			3597	63.9	64.4	0.5	31	79	45	1.0
			3598	64.4	64.9	0.5	18	45	32	1.0
			3599	64.9	65.4	0.5	14	16	40	0.5
			3600	65.4	65.9	0.5	26	190	78	1.5
			3601	65.9	66.4	0.5	5	26	76	0.5
			3602	66.4	66.9	0.5	22	63	44	1.0
			3603	66.9	67.4	0.5	24	130	85	1.5
			3604	67.4	67.9	0.5	19	55	46	1.0
			3605	67.9	68.4	0.5	23	50	54	1.0
			3606	68.4	68.9	0.5	6	17	80	0.5
			3607	68.9	69.4	0.5	42	9.5	72	0.5
			3608	69.1	69.7	0.5	50	140	170	1.5
			3609	69.7	70.4	0.5	57	67	56	1.0
			3610	70.4	70.9	0.5	36	150	50	1.0
			3611	70.9	71.4	0.5	4	55	49	0.5
			3612	71.4	71.9	0.5	550	58	74	1.5
			3613	71.9	72.4	0.5	5	82	37	0.5
			3614	72.4	72.9	0.5	27	200	49	0.5
			3615	72.9	73.4	0.5	6	100	96	0.5
			3616	73.4	73.9	0.5	3	30	110	0.5
			3617	73.9	74.2	0.3	20	82	130	0.5

GETTY MINES, LIMITED

Hole Number DL-83-46

DRILL HOLE LOG

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
74.2	81.4	FELSIC LAPILLI TUFF								
		- very well bedded light green to cream coloured felsic tuffaceous rock which varies from well bedded ash tuff at the top (74.2–75.0m) to darker coloured lapilli tuff with felsic fragments up to 1cm in size displaying and excellent foliation and fragments squashed into the plane of the foliation	3618	78.0	78.25	0.25	<2	18	200	0.5
			3619	81.0	81.25	0.25	<2	35	47	<0.5
		- both bedding and foliation are parallel and oriented at 80-85° to core axis								
		- scattered reddish garnets at 79.8–80.1m								
		- pink K feldspar fracture controlled alteration at 79.5–79.7m								
		- cream colour is due to sericitization of felsic tuff								
		- trace pyrite								
		- lower contact gradational over 80.1–81.4m as rock loses well bedded character								
		- non magnetic								
		- lower contact chosen at change to grey coloured massive felsic tuff								
		- within this section some bands are more mafic in composition and consist of dominantly chlorite								
		- garnets at 75.65m								

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DRILL HOLE LOG

Hole Number DL-83-46

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

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DRILL HOLE LOG

Hole Number DL-83-46

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

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DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
124.7	143.2	QTZ-FELDSPAR PORPHYRY SILL	3634	124.9	125.15	0.25	<2	32	72	0.5
			3635	127.65	127.90	0.25	<2	21	82	0.5
			3636	130.8	131.05	0.25	<2	54	84	0.5
		- dark green to grey, coarse grained, quartz-feldspar porphyry sill	3637	133.8	134.05	0.25	<2	14	80	0.5
		- upper contact conformable at 80° to c.axis	3638	136.7	136.95	0.25	<2	35	86	1.0
		- 124.7-125.2 m fine grained contact	3639	139.65	139.90	0.25	<2	24	79	0.5
		- contains 50% 3mm size porphyroblasts of anhedral white feldspar and clear to slightly bluish qtz-feldspar : qtz (4:1)	3640	142.5	142.75	0.25	<2	8.5	110	0.5
		- 2% disseminated pyrite								
		- weakly magnetic								
		- fine grained siliceous matrix contains 20% green chlorite								
		- non foliated								
		- lower contact at 20° to core axis which leads to small sections of this rock occurring sporadically for the next 1.5 m.								
143.2	155.2	STRIPED FELSIC ROCK	3641	145.45	145.7	0.25	4	120	180	1.0
			3642	148.3	148.55	0.25	2	29	84	0.5
		- alteration banding in a felsic to intermediate tuff produces an alternation of dark grey siliceous bands and light green presumably more sericitic sections	3643	151.3	151.55	0.25	<2	44	140	0.5
			3644	154.2	154.45	0.25	<2	38	66	0.5
		- the development here is not as dramatic as in previous holes i.e. DL-83-27, 29 etc.								
		- contains 2-3% pyrite - fracture controlled and diss.								
		- white qtz veinlets occur throughout								
		- 2% pinkish garnet scattered throughout, usually approx 2mm in diameter								
		- weak to moderately magnetic in sections where the alteration banding is less pronounced								
		- approx 50% chloritized and 50% unchloritized								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
155.2	165.9	INTERMEDIATE TO FELSIC TUFF	3645	157.25	157.5	0.25	<2	6.5	79	<0.5
			3646	160.1	160.35	0.25	<2	5	16	1.5
		- light to medium green, medium grained, intermediate to felsic tuff	3647	163.15	163.4	0.25	<2	4	8	1.0
		- contains approx 10% fine (1-2mm size) reddish garnets scattered throughout								
		- contains 30% (1-2mm size) quartz + feldspar crystals set in a fine grained sericitic matrix								
		- 1-2% fine disseminated pyrite								
		- weakly magnetic								
		- not as hard as previous section								
		- white quartz vein at 165.7-165.9m								
		- well foliated at 80° to core axis								
		- scattered biot + chlorite flakes in core								
165.9	168.6	FELDSPAR PORPHYRY	3648	166.1	166.35	0.25	<2	20	75	1.0
		- coarse grained, bluish grey feldspar porphyry flow(?) sill(?)								
		- contacts conform to stratigraphy at 70° to c.a								
		- poor foliation (chlorite) at 80° to c.a								
		- large anhedral to subhedral feldspar porphyroblasts up to 1cm in size (aver. 3mm) display incipient saussuritization								
		- non magnetic								
		- no sulphide								
		- matrix fine grained siliceous								

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DRILL HOLE LOG

Hole Number DL-83-46

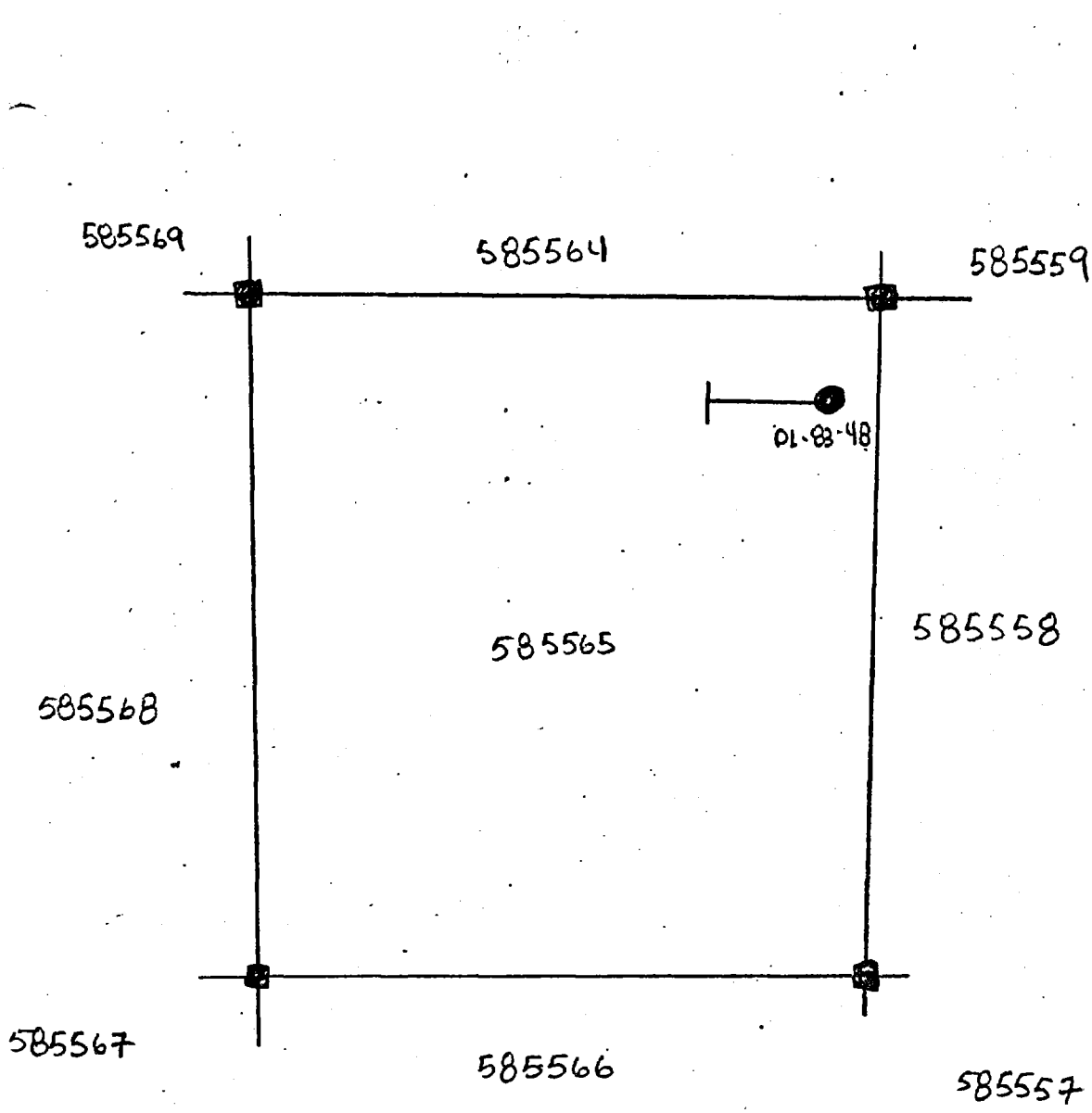
FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
168.6	171.6	INTERMEDIATE TO FELSIC TUFF								
			3649	169.05	169.3	0.25	<2	5	31	<0.5
		- see previous description @ 155.2-165.9 m								
		- foliation @ 80° to core axis								
		- quartz veins at both contacts								
		- 5-10% garnet								
		- less than 1% py								
		- weakly magnetic								
171.6	176.7	FELDSPAR PORPHYRY	3650	172.0	172.25	0.25	5	22	71	0.5
			3651	174.95	175.2	0.25	3	81	62	0.5
		- as previously described at 165.9-168.6m								
		- a short section of interm to felsic tuff at 174.8-175.8m containing 1-2% pyrite								
		- contacts conformable to stratigraphy ? flow ? sill ?								
		- chlorite-epidote veinlets occur								
176.7	195.8	GARNETIFEROUS INTERMEDIATE TO FELSIC TUFF	3652	177.9	178.15	0.25	5	23	9	0.5
			3653	180.8	181.05	0.25	<2	8	7	<0.5
		- medium grained intermediate to felsic tuff	3654	183.7	183.95	0.25	<2	15	29	1.0
		as before at 155.2-165.9, 168.6-171.6 m but	3655	186.75	187.0	0.25	2	85	54	0.5
		contains 30% (1-2mm) reddish brown garnet	3656	189.7	189.95	0.25	<2	11	30	<0.5
		particularly abundant in upper portion down to	3657	192.6	192.95	0.25	<2	12	49	<0.5
		185.7m where overall composition is more	3658	195.6	195.85	0.25	<2	6	93	<0.5
		intermediate than the lower more felsic section								
		- foliation excellent at 80° to core axis								
		- contains 1-2% py								
		- contains quartz eyes and the garnet grows								
		interstitial to them in some instances								
		- feldspar porphyry at 187.9-189.1m								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-46

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



LOCATION MAP

DL-83-48

DRAWN BY DCR		DATE JAN 84
CHECKED BY		DRAWG NO
N.T.S. 32 E 13		SCALE 1:1000

Getty Canadian Metals, Ltd.

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number OL-83-48

Property. DETOUR LAKE, T.V.
Location. 144 Km. NE. of Cochrane, ONT.

Grid. C-12
Latitude. 1+00N
Departure. 0+40E

Core Size. BQ
Elev. Collar.
Bearing. 270°
Dip. -50°
Length. 188.1m
Horiz. Trace. 124.0m
Vert. Trace. 141.5m

Starting Date. January 20, 1984
Completion Date. January 24, 1984

Date Logged. Jan. 22 - Jan. 24, 1984
Logged by. D.C. Rupert-Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
12.8m	-60°	-51.5°
91.4m	-58°	-49.5°
188.1m	-54°	-45°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY
0	12.4	OVERBURDEN					
12.4	13.7	GARNETIFEROUS SILICEOUS SILTSTONE - grey-green, hard, medium-grained, magnetic - has 15-20% subhedral to anhedral pink garnets ranging in size from 1mm to 0.5cm. These occur disseminated and in bands up to 1cm wide, oriented 60°-90° to CA. These bands have magnetite-rich fringes. - there may be some aluminosilicate (?staurolite) in this that can be confused with fine-grained garnet aggregate. - bedding is poorly expressed, but appears to be oriented 70°-80° to CA. - chloritized - lower contact lost in ground-up core. - 1% disseminated pyrite - this unit was also drilled 3.5m to the east (17.1-23.0m, 24.5-34.2m, OL-83-29)					

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
13.7	15.0	FELDSPAR PORPHYRY SILL								
		- grey, hard, coarse-grained (porphyritic), locally weakly magnetic.								
		- up to 60% euhedral to anhedral feldspar phenocrysts, generally 1-2 mm in width.								
		- 15% chlorite + mafic minerals, occurring in specks 1mm long.								
		- randomly oriented, black, magnetic stringers noted. These are probably magnetite-rich.								
		- 3-4% disseminated po + py.								
		- lower contact oriented 90° to CA.								
		- this unit was also drilled 35m to the east (23.0-24.5m, DL-83-29).								
15.0	19.3	CONDUCTIVE ZONE	DD3890	15.0	15.5	0.5	14	88	180	1.5
		- sulfide-bearing chert horizon	3891	15.5	16.0	0.5	11	34	140	1.0
		- light-grey, fine-grained, very hard, magnetic	3892	16.0	16.5	0.5	19	32	81	1.0
		- weak to moderate conductor	3893	16.5	17.0	0.5	6	40	190	1.0
		- 60-70% chert, 20% pyrite, 3-5% pyrrhotite, with accessory garnet, chlorite, K-feldspar, phlogopite, magnetite, and other mafic minerals.	3894	17.0	17.5	0.5	<2	46	130	0.5
			3895	17.5	18.0	0.5	6	110	160	1.0
			3896	18.0	18.5	0.5	<2	82	160	1.0
			3897	18.5	19.0	0.5	3	67	100	1.0
			3898	19.0	19.5	0.5	<2	27	84	0.5
		- banded, with bands oriented 70-80° to CA.								
		- pyrite occurs in semi-massive bands up to several cm in diameter.								
		- upper and lower contacts sharp at 90° to CA.								
		- this unit was also drilled 35m to the east and was logged as a quartz-pyrite vein (34.2-37.3 m, DL-83-29)								
		- the chert noted here could possibly be recrystallized quartz, however, it is unlikely that it is a vein.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn ppm	Ag (ppm)
19.3	20.8	STRIPED FELSIC TUFF - light to dark grey, very hard, fine-grained with lapilli-size crystals, non-magnetic. - banded, with alternating dark grey/light grey bands. These bands range in thickness from 0.5cm to 2-3cm, and are probably an alteration feature due to the saussuritization of feldspar. - 30% feldspar crystals, 1mm in diameter, stretched parallel to tuffaceous layering. - tuffaceous layering at 80° to CA. - upper and lower contacts at 80° to CA. - <1% pyrite, occurring predominantly along fracture surfaces. - chlorite ± epidote, especially along fracture surfaces. - this unit was also drilled 35m to the east (37.2-40.3m, DL-83-29).								
20.8	23.7	INTERMEDIATE SILL - grey-green, hard, medium-grained, non-magnetic. - the contact zones have been ground-up but it appears that the unit is concordant with stratigraphy. - has a foliation or preferred orientation of mafic minerals at 60° to CA. - there is a fracture set oriented 45-60° to CA. These fractures are <0.5cm wide and are often infilled with chlorite ± epidote. - some iron staining, esp at 23.4. - this unit was also drilled 35m to the east (40.3-42.2, DL-83-29). - <1% pyrite, disseminated.	003899	21.2	21.45	0.25	4	11	38	0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
23.7	25.4	STRIPED FELSIC TUFF	003900	24.1	24.35	0.25	<2	4	50	<0.5
		- as at 19.3 - 20.8								
		- <1% garnet noted								
		- some iron staining, as at 24.0.								
		- upper contact indistinct, lower contact oriented 60° to CA.								
		- this unit was also drilled 35m to the east (42.2 - 49.0m, DL-83-29).								
25.4	26.6	QUARTZ FELDSPAR PORPHYRY								
		- grey-green, hard, coarse-grained, non-magnetic.								
		- 30% feldspar phenocrysts, 10-15% quartz phenocrysts, ranging in size from <1mm to 3mm.								
		- <1% disseminated pyrite.								
		- sharp upper contact at 60° to CA, and sharp lower contact at 90° to CA.								
		- chlorite alteration along fractures.								
		- this unit was also drilled 35m to the east (49.0 - 50.2 m, DL-83-29).								
26.6	38.2	STRIPED FELSIC TUFF	003901	27.45	27.7	0.25	<2	7	26	<0.5
		- as at 19.3 - 20.8.	3902	30.4	30.65	0.25	<2	1.5	7	<0.5
		- this unit was also drilled 35m to the east (50.2 - 57.3, DL-83-29).	3903	33.2	33.45	0.25	<2	17	73	0.5
		- <1% K-feldspar, randomly distributed.	3904	36.3	36.55	0.25	<2	10	60	<0.5
		- <1% garnet, randomly distributed.								
		28.3 - 28.8 ; blocky, ground-up core								
		33.1 - 38.1 ; larger feldspar crystals developed. These are up to 3mm in size and make up 20-25% of the rock. Some sub-rounded quartz-eyes are present as well.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
38.2	38.6	INTERMEDIATE DYKE - as at 20.8 - 23.7.								
38.6	39.2	STRIPED FELSIC TUFF - as at 19.3 - 20.8.								
39.2	39.9	INTERMEDIATE DYKE - as at 20.8 - 23.7. - upper contact sharp at 60° to CA, lower contact sharp at 40° to CA. - this unit was also drilled 35m to the east (57.3 - 57.8, DL-83-29).	D03905	39.2	39.45	0.25	<2	12	68	<0.5
39.9	45.5	STRIPED FELSIC TUFF - as at 19.3 - 20.8 - sharp upper contact at 40° to CA, the lower contact orientation is difficult to determine. - this unit becomes more altered downhole - this unit was also drilled 35m to the E (57.8 - 59.6m, DL-83-29).	D03906 3907	42.2 45.0	42.45 45.25	0.25 0.25	<2 <2	9 7.5	56 69	<0.5 <0.5
45.5	48.3	FELDSPAR PORPHYRY DYKE - as at 13.7 - 15.0 - this unit was also drilled 35m to the E (59.6 - 60.6m, DL-83-29)	D03908	47.7	48.2	0.5	<2	7.5	13	<0.5
48.3	49.6	CONDUCTIVE ZONE - sulfide-bearing chert rock, with 10-15% pyrite, and 3-4% pyrrhotite. - pyrite is disseminated and semi-massive, concentrated especially around 48.8 - 49.1. Pyrrhotite occurs mainly in the lower part of the zone. - 60-70% chert. The remaining 30-25% appears to be a combination of argillite and other	D03909 3910 3911	48.2 48.7 49.2	48.7 49.2 49.7	0.5 0.5 0.5	46 11 9	36 220 120	81 45 81	1.0 4.5 3.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		sedimentary material.								
		- poorly-defined bedding expressed at 70° to CA.								
		- sulfides become bedded towards the bottom of the zone.								
		- thin, chlorite-filled, randomly oriented stringers throughout.								
		- there are a few specks of malachite(?) randomly dispersed, eg at 48.7.								
		- upper contact is sharp but it is difficult to determine its orientation because of ground core. The lower contact is gradational.								
		- this unit was also drilled 35m to the east (60.8-65.9m, DL-83-29).								
		- this is a poor to moderate conductor.								
		- this unit was also drilled 35m to the east (60.8-65.9m, DL-83-29).								
49.6	74.1	MAGNETITE-BEARING CHERT	D03912	49.7	50.2	0.5	3	27	39	<0.5
		- light to dark-grey, fine to medium-grained, very hard, strongly magnetic	13	50.2	50.7	0.5	9	58	28	1.0
		- contains bands of magnetite (25%) up to 2cm wide in chert (60%)	14	50.7	51.2	0.5	14	41	38	1.0
		- abundant chlorite stringers and specks throughout	15	51.2	51.7	0.5	12	91	46	1.5
		- laminated, with laminations oriented 65-80° to CA	16	51.7	52.2	0.5	20	57	19	2.5
		- 5-7% disseminated and stringer pyrite, 2% disseminated and stringer pyrrhotite, 1-2% disseminated and stringer sphalerite.	17	52.2	52.7	0.5	25	61	16	1.0
			18	52.7	53.2	0.5	<2	18	23	<0.5
			19	53.2	53.7	0.5	3	47	25	1.0
			20	53.7	54.2	0.5	15	56	38	1.5
			21	54.2	54.7	0.5	8	33	29	0.5
			22	54.7	55.2	0.5	3	16	21	0.5
		- upper and lower contacts gradational.	23	55.2	55.7	0.5	36	52	52	1.5
		- this unit was also drilled 35m to the east (65.9-97.5m, DL-83-29).	24	55.7	56.2	0.5	6	37	54	0.5
			25	56.2	56.7	0.5	9	65	62	1.0
		- some small (1mm) mafic minerals randomly distributed	26	56.7	57.2	0.5	5	410	72	0.5
			27	57.2	57.7	0.5	8	38	1200	1.0
		- the magnetite concentration drops off	28	57.7	58.2	0.5	6	23	140	0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
		rapidly at about 60.5. From this point magnetite is <7% of the total composition of the rock.	D03930	58.7	59.2	0.5	18	40	89	1.0
			31	59.2	59.7	0.5	17	38	190	1.0
			32	59.7	60.2	0.5	18	46	51	2.0
		- in some places, as at 64.6, lapilli-size feldspar crystals are present.	33	60.2	60.7	0.5	7	27	47	0.5
			34	60.7	61.2	0.5	8	32	47	1.0
		- some K-feldspar in small amounts, especially along fracture surfaces.	35	61.2	61.7	0.5	8	30	36	1.0
			36	61.7	62.2	0.5	8	33	28	1.0
		- <1% pink, anhedral garnet randomly distributed.	37	62.2	62.7	0.5	5	30	130	1.0
			38	62.7	63.2	0.5	2	38	66	0.5
		66.2 - 66.4: up to 4-5% of a reddish-brown, sulfide-like mineral with moderate (4) hardness and reddish-brown streak. This is probably sphalerite. It occurs in veins 1-3 mm in width.	39	63.2	63.7	0.5	18	30	58	0.5
			40	63.7	64.2	0.5	33	43	75	1.0
			41	64.2	64.7	0.5	21	34	290	1.0
			42	64.7	65.2	0.5	12	31	2900	1.0
			43	65.2	65.7	0.5	7	41	290	1.0
			44	65.7	66.2	0.5	4	12	2400 (0.24%)	1.0
74.1	96.8	FELSIC TUFF / STRIPED FELSIC TUFF	45	66.2	66.7	0.5	2	12	2400 (0.24%)	1.0
		- light to dark-grey, very hard, fine to coarse-grained (porphyritic in places), locally weakly magnetic.	46	66.7	67.2	0.5	21	62	310	1.5
			47	67.2	67.7	0.5	6	41	710	1.0
			48	67.7	68.2	0.5	2	71	1500	1.5
			49	68.2	68.7	0.5	5	47	900	0.5
		- interbedded felsic tuff and striped felsic tuff showing alteration banding as a result of saussuritization of feldspar. This occurs as dark grey and light grey bands irregularly spaced and of variable widths. Felsic tuff and striped felsic tuff are in roughly equal proportions.	50	68.7	69.2	0.44	5	22	92	<0.5
			51	69.2	69.7	0.5	150	110	750	2.0
			52	69.7	70.2	0.5	<2	11	110	<0.5
			53	70.2	70.7	0.5	<2	14	160	<0.5
			54	70.7	71.2	0.5	8	440	910	1.5
			55	71.2	71.7	0.5	<2	160	1200	1.0
		- 30% of the rock is made up of lapilli-size feldspar grains that appear to be stretched and show preferred orientation parallel to tuff/crystal layering	56	71.7	72.2	0.5	3	470	83	3.0
			57	72.2	72.7	0.5	12	14	270	6.0
			58	72.7	73.2	0.5	77	54	900	3.5
			59	73.2	73.7	0.5	36	370	2400 (0.24%)	2.5
		- tuff/crystal layering oriented 75-80° to CA.	60	73.7	74.2	0.5	9	22	120	0.5
		- chlorite-rich, especially along fracture surfaces								
		- partially sericitized	D03961	76.9	77.15	0.25	<2	<5	55	<0.5
		- 2-3% K-feldspar, occurring sporadically	62	79.5	79.75	0.25	<2	2.5	40	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY W (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
		along fracture surfaces.	D03963	82.4	82.65	0.25	<2	12	70	0.5
		- fracture sets are randomly oriented.	3964	85.05	85.3	0.25	<2	6.5	42	<0.5
		- 10-15% clear to pale blue, rounded quartz-eyes ranging in size from 1mm to 1cm. These are randomly distributed throughout.	3965	88.0	88.25	0.25	<2	2.5	31	0.5
			3966	90.9	91.15	0.25	<2	2.5	38	<0.5
			3967	93.8	94.05	0.25	<2	2.5	116	<0.5
		- some lapilli-size mafic grains are present in some places, as at 79.2								
		- <1% disseminated pyrite								
		- the tuffaceous layering can be seen to curve around the quartz-eyes in places, as at 84.7.								
		- <1% garnet, randomly distributed.								
		- upper and lower contact gradational								
		74.2-74.7: feldspar crystal tuff with 25% 1mm to 1.5cm white to pink feldspar crystals in a grey-green groundmass. Contacts are layering concordant at 65-70° to CA.								
		75.2-75.4: feldspar crystal tuff, as at 74.2-74.7								
		76.7-79.0: blocky core								
		82.9-83.0: intermediate tuff								
		86.5-86.6, 86.9-87.1: quartz feldspar porphyry sill.								
96.8	103.2	SILICIFIED FELSIC TUFF	D03968	96.7	96.95	0.25	<2	3.0	37	<0.5
		- dark grey, very hard, medium to coarse-grained, mm-magnetite.	3969	99.7	99.95	0.25	<2	5.0	44	<0.5
			3970	102.65	102.90	0.25	<2	12	37	<0.5
		- silicification gives the rock a dark, mottled appearance. Partial sausseritization and sericitization is also evident in places								
		- this unit is almost identical to the preceding unit in mineralogy. The distinguishing feature between the two is the degree of alteration in this unit. The biotite & garnets in this unit is also notable.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		- upper and lower contacts gradational.								
		- quartz-eyes are up to 1 cm in diameter.								
		- tuffaceous layering oriented 70° to CA.								
103.2	116.2	FELSIC TUFF / STRIPED FELSIC TUFF	D03971	105.7	105.95	0.25	<2	7.5	33	<0.5
		- as at 72.3 - 96.8	3972	108.6	108.85	0.25	<2	11	110	<0.5
		- 7-10% quartz-eyes	3973	111.6	111.85	0.25	<2	4.5	27	<0.5
		- carbonatized along some fracture surfaces.	3974	114.4	114.65	0.25	<2	8	150	<0.5
		- upper and lower contacts gradational.								
		- tuffaceous layering oriented 65°-80° to CA.								
		- <1% garnet.								
		- this unit has a more mafic component dominated, in the form of lapilli-size mafic grains.								
116.2	135.0	INTERMEDIATE LAPILLI TUFF	D03975	117.4	117.65	0.25	<2	25	73	<0.5
		- dark-grey, medium to coarse-grained, hard, non-magnetic.	3976	120.25	120.5	0.25	65	37	100	0.5
			3977	123.2	123.45	0.25	<2	13	84	<0.5
		- 15% blue, rounded quartz-eyes. These are somewhat different from the quartz-eyes seen thus far in that they are smaller (up to 3 mm in diameter) and have a darker blue color.	3978	126.05	126.3	0.25	<2	14	71	<0.5
			3979	129.9	130.15	0.25	35	18	80	<0.5
			3980	132.0	132.25	0.25	<2	33	220	<0.5
		- tuffaceous layering at 60° to CA.								
		- 20% lapilli-size feldspar crystals. These are stretched and show a preferred orientation parallel to layering.								
		- 25% lapilli-size mafic grains. These are also stretched and show a preferred orientation parallel to layering.								
		- upper contact gradational. The lower contact is sharp at 75°-80° to CA.								
		- 1-2% anhedral garnet, 1-3 mm in diameter, randomly distributed throughout.								
		- chloritized, especially along fracture								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		Surface.								
		- 1-2% disseminated pyrite.								
		- <1% K-feldspar, randomly distributed								
		- tuffaceous layering displaced around quartz-eyes in places, as at 123.3.								
		- garnet concentration increases downhole to 5-6%.								
		119.8, 122.4, 122.5, 122.6, 125.9, 127.0'; 1-2cm wide quartz veins								
135.0	148.7	FELSIC TUFF / STRIPED FELSIC TUFF	D03981	135.1	135.35	0.25	<2	8	46	<0.5
		- as at 72.3-96.8	3982	138.05	138.30	0.25	<2	11	14	<0.5
		- sharp upper contact oriented 75°-80° to CA. Gradational lower contact.	3983	140.8	141.05	0.25	<2	12	40	0.5
		- quartz-eyes are of 2 varieties: 1) small, well-rounded, blue quartz-eyes 1-3mm in diameter, and 2) larger, sub-rounded, clear quartz-eyes up to 1cm in diameter.	3984	143.8	144.05	0.25	<2	11	38	<0.5
		- tuffaceous layering from 60°-80° to CA.	3985	146.6	146.85	0.25	<2	12	18	<0.5
		140.4-141.3; mafic dyke. Upper and lower contacts are ground-up, making orientation of contacts difficult to determine!								
		144.9-148.7; K-feldspar concentration increases to 15%								
		147.8-147.9; blocky core								
		148.5-148.7; blocky core								
148.7	156.4	INTERMEDIATE LAPILLI TUFF	D03986	149.4	149.65	0.25	<2	28	52	0.5
		- as at 116.2-135.0	3987	152.0	152.25	0.25	24	300	200	6.5
		- upper and lower contacts are ground-up.	3988	154.8	155.05	0.25	<2	17	110	0.5
		- minor amounts of hematite staining, as at 151.5								
		152.7-153.4; 10-15% anhedral, pink garnet								
		153.7-153.8; 10-15% pyrite								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

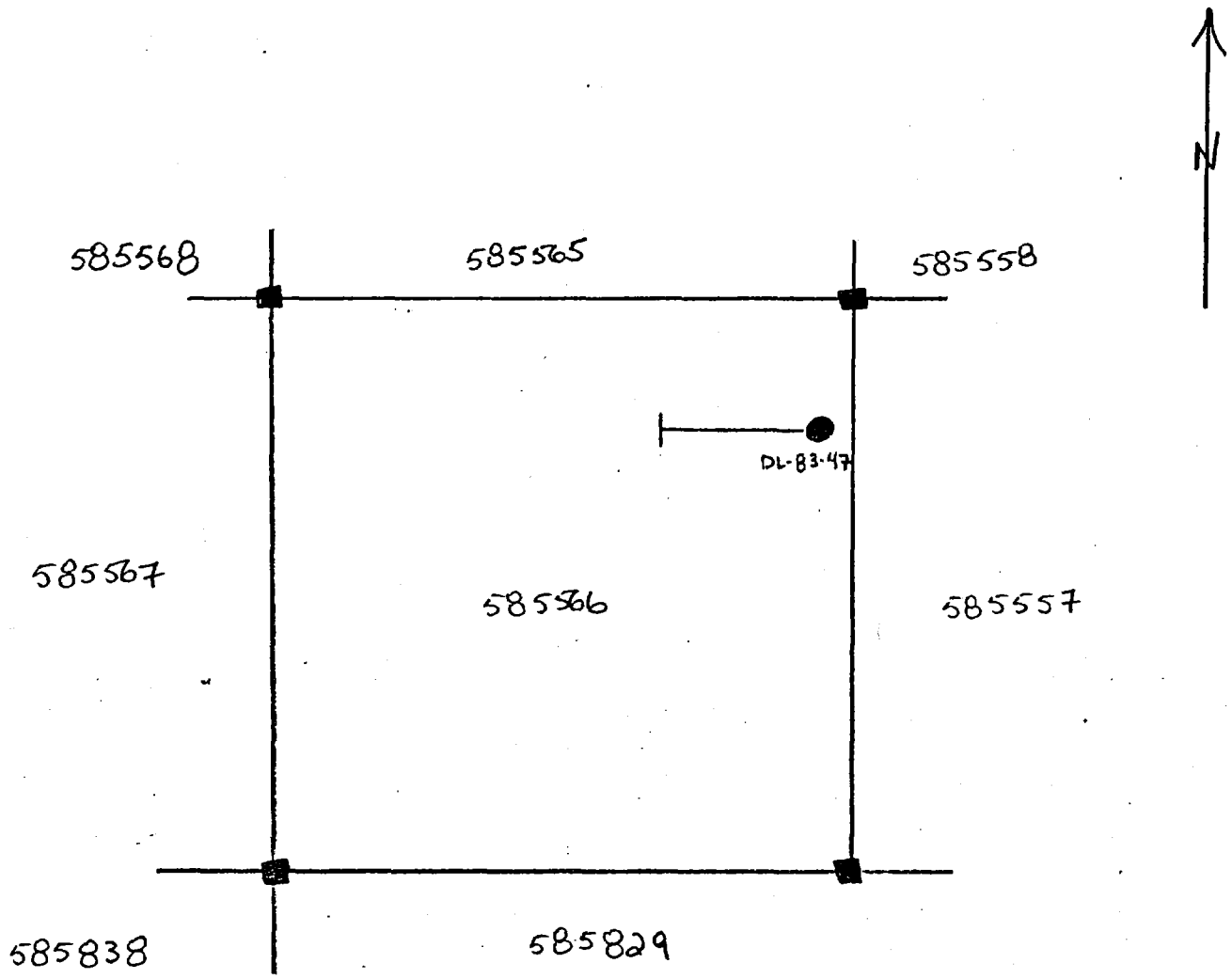
FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (PPb)	Cu (PPm)	Zn (PPm)	Ag (PPm)
		154.5-156.4 ; blocky, ground-up core.								
156.4	165.1	FELSIC TUFF / STRIPED FELSIC TUFF	D03989	158.2	158.45	0.25	<2	4.5	55	<0.5
		- as at 72.3-96.8	90	160.95	161.20	0.25	3	51	32	<0.5
		- some epidote alteration, especially along some fractures, as at 160.6	91	163.9	164.15	0.25	<2	8	23	<0.5
		- tuffaceous layering oriented 65°-70° to CA.								
		- K-feldspar-rich to 159.7								
		- 1-2% disseminated pyrite								
		- upper contact ground-up, lower contact sharp at 50° to CA.								
		- some hematite staining, as at 157.5								
		- 3-4% small (1-3mm), rounded, blue quartz-eyes								
		- chlorite-rich								
		156.4-157.6 ; blocky, ground-up core.								
165.1	168.2	QUARTZ-FELDSPAR PORPHYRY	D03992	166.75	167.0	0.25	<2	12	51	0.5
		- dark-grey, very hard, porphyritic, non-magnetic								
		- upper and lower contacts sharp at 50° to CA.								
		- 50%-60% feldspar phenocrysts. These are white, subhedral to euhedral, and range in size from <1mm to 0.5 cm.								
		- 10-15% quartz phenocrysts. These are light blue, subhedral to anhedral, and range in size from <1mm to 2mm.								
		- 1-2% finely disseminated pyrite								
168.2	188.1	FELSIC TUFF / STRIPED FELSIC TUFF	D03993	169.8	170.05	0.25	<2	3	41	<0.5
		- as at 156.4-165.1	3994	172.75	173.0	0.25	<2	16	25	<0.5
		- tuffaceous layering oriented 60° to CA	3195	175.8	176.05	0.25	5	11	22	<0.5
		- locally weakly magnetic	3196	178.65	178.9	0.25	7	10	39	<0.5
		- 1-2% disseminated pyrite, 1% disseminated	3197	181.6	181.85	0.25	120	15	39	0.5
			3198	184.55	184.80	0.25	<2	11	25	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-48

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		pyrrhotite					
		177.8 - 178.1 : mafic tuff, with contacts concordant with tuffaceous layering (oriented 70° to CA).					
		179.1 : 3cm mafic tuff band.					
		182.0 - 182.1 : mafic tuff					
		186.9 - 187.5 : felsic feldspar crystal tuff bed with concordant contacts at 70° - 75° to CA.					
		188.1 E.O.H.					



LOCATION MAP

DL-83-47

0 300

metres

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

Getty Canadian Metals, Ltd.

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DRILL HOLE LOG

Hole Number DL-83-47

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

Grid. C-17
Latitude. L4+00S
Departure. 0+45E

Core Size. BQ
Elev. Collar.
Bearing. 270°
Dip. -50°
Length. 203.0m
Horiz. Trace. 136m
Vert. Trace. 150m

Starting Date. January 14, 1984
Completion Date. January 19, 1984

Date Logged. January 17 - 19, 1984
Logged by. D.G. RUDDERHAM
K. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
39.0m	-58°	-49.5°
91.4m	-60°	-51.5°
203.0m	-54°	-45°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
0	39.0	OVERBURDEN								
39.0	39.4	LOST CORE								
39.4	43.6	EPICLASTIC METASEDIMENTARY ROCK	D03768	39.4	39.65	0.25	<2	73	120	1.0
		- grey to grey-green, medium hardness, medium-grained, locally weakly magnetic	3769	42.2	42.7	0.5	<2	65	160	1.0
		- is partially silicified in places, as at 40.3								
		- has alternating bands of lighter and darker material. Some bands can be identified as being brown phlogopite or biotite, and others are chlorite. Some quartz bands present as well. Bands rarely exceed 1cm in thickness								
		- banding oriented 65-70° to CA								
		- 2-3% py + po throughout.								
		- there are a few pink, anhedral garnets, as at 41.0								
		- there is some weathering out of sulfides, as at 41.0								
		- slightly carbonatized								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- sharp lower contact at 90° to CA.								
		42.5-42.7 : weathered, gossan-like bed with contacts concordant with bedding in the metasediment. It is soft, rusty-colored, non-magnetic, and medium-grained. It also shows some sedimentary layering								
43.6	44.6	FELDSPAR PORPHYRY DYKE - dark grey, hard, non-magnetic, coarse-grained (porphyritic). - contains 30% subhedral to anhedral white feldspar crystals up to 4mm in diameter. - some chlorite present. - the matrix is made up of plagioclase, amphibioles, and pyroxenes with ~1% py+po. - sharp upper and lower contacts at 90° to CA								
44.6	61.7	AMPHIBOLITIZED MAFIC VOLCANIC ROCK - grey-green, hard, medium-grained, locally weakly magnetic. - chloritized - has small clots of mafic minerals, 3-4mm wide, in some places, as at 54.5. The majority of these are amphiboles, making up 20% of the rock. - quartz and quartz-carbonate stringers through-out, varying in thickness from 1mm to 1cm. They are oriented 55° to CA. - <1% po+py, disseminated throughout. - there is some pink K-spar along quartz stringers, as at 49.5. - the unit appears to have a poorly defined foliation in places oriented 60-65° to CA. - the unit gets a little more foliated towards	D03770	45.2	45.45	0.25	<2	81	23	0.5
			3771	48.1	48.35	0.25	4	85	29	0.5
			3772	51.0	51.25	0.25	<2	36	44	0.5
			3773	54.0	54.25	0.25	2	72	28	0.5
			3774	56.9	57.15	0.25	3	52	31	0.5
			3775	59.8	60.05	0.25	4	43	29	0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Cu(ppm)
		- sharp upper contact, gradational lower contact.								
		50.4 - 50.8 ; a coarser - grained section with large (2-3mm) pink and white feldspar crystals in a medium - grained mafic matrix. It is probably not intrusive.								
61.7	93.0	Aluminosilicate Rich Epiclastic METASEDIMENT/SILTSTONE								
		- grey, medium - hardness, fine to medium - grained, locally weakly magnetic	D037776	62.5	62.75	0.25	<2	67	98	1.0
		- consists of 70-80% medium - grained epiclastic metasediment and 20-30% finer - grained siltstone.	3777	65.3	65.55	0.25	12	250	120	0.5
			3778	68.6	68.85	0.25	18	63	99	0.5
			3779	71.4	71.65	0.25	<2	79	71	0.5
			3780	74.3	74.8	0.5	110	130	61	0.5
		- is similar to 43.6 - 44.6 except this unit has 15-20% aluminosilicate. This pink mineral (? staurolite ?) forms subhedral to anhedral clots 1mm in diameter. It is often banded, with bands up to 1-2 cm in diameter	3781	77.3	77.55	0.25	2	25	70	0.5
			3782	80.3	80.55	0.25	3	110	60	0.5
			3783	83.25	83.50	0.25	<2	150	110	1.0
			3784	86.3	86.55	0.25	3	180	95	1.0
			3785	89.2	89.45	0.25	6	78	120	0.5
		- the unit has sedimentary layering oriented 60 - 70° to CA	3786	92.2	92.45	0.25	8	26	120	0.5
		- 1-2% pyrite, disseminated throughout, with <1% pyrrhotite								
		- there is ~1% pink, anhedral garnet associated with the aluminosilicate.								
		- the unit becomes more garnet - rich downhole. Some hexagonal garnets noted. The garnets also get larger downhole, up to 0.5 cm in width.								
		- the unit becomes more siliceous in places downhole, as at 75.4.								
		- gradational upper and lower contacts.								
		- towards the bottom of the unit bedding is oriented 70 - 75° to CA.								
		65.3 - 65.6 ; large mid - dewitrified feldspars								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(g/t)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		phenocrysts. The unit has sharp upper and lower contacts oriented 90° to CA. This may be intrusive.								
		74.2-74.9: silicified zone with quartz vein extending the length of the core, oriented parallel to the CA.								
93.0	113.0	SILICIFIED felsic tuff	DO 3787	96.35	96.6	0.25	<2	8.5	48	<0.5
		- grey-white, very hard, non-magnetic or locally weakly magnetic, medium-grained.	3788	99.2	99.45	0.25	<2	7	16	<0.5
		- mottled, due to silicification.	3789	102.05	102.30	0.25	<2	13	80	<0.5
		- poorly expressed tuffaceous layering, oriented 70° to CA.	3790	105.8	106.05	0.25	<2	12	59	<0.5
		- the entire unit has 25-30% lapilli-size feldspar crystals. Most of these crystals are stretched and show a preferred orientation 70° to CA.	3791	108.5	108.75	0.25	<2	10	98	<0.5
		- pink K-spar occurs in clots up to 1cm wide throughout. This makes up <3% of the total composition.	3792	111.5	111.75	0.25	<2	21	97	<0.5
		- <1% anhedral garnet is present.								
		- quartz and quartz-carbonate stringers up to 4mm in width occur throughout, oriented 40° to CA. There are also a number of randomly oriented stringers.								
		- epidote and chlorite are present in minor amounts (<3%). These commonly occur along fracture surfaces.								
		- minor sericitization of feldspars noted.								
		- <1% py + pc.								
		- the silicide concentration increases to 2-3% towards the bottom of the unit.								
		- gradational upper contact, sharp lower.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		contact oriented 70-75° to CA.								
		95.4-96.6; lost core								
		103.3-103.9; lost core								
		105.6-105.9; quartz vein								
		107.3-108.6; mafic sill with 5% pyrite, 1% pyrrhotite. Contacts are concordant with bedding at 60-65°. The lower contact is very siliceous and shows some brecciation.								
		108.9; 3cm wide siliceous zone with brecciation								
		- this unit correlates with 19.2-47.7 in DL-83-46.								
113.0	114.8	Cherty METASEDIMENTARY Rock.	D03793	113.0	113.5	0.5	32	620	1800	1.5
		- light to dark grey, hard, locally weakly magnetic, medium-grained.	3794	113.5	114.0	0.5	26	220	940	1.0
		- this unit is similar to 47.7-49.5, 50.4-50.9, in DL-83-46 except that this rock has a greater mafic component (at the expense of chert), and less magnetite.	3795	114.0	114.5	0.5	20	300	1900	1.0
		- 10% aluminosilicate present								
		- 3-4% pyrrhotite, 2% pyrite								
		- alternating cherty and mafic bands, up to 0.5cm wide, oriented 70-75° to CA.								
		- some K-spar along fracture surfaces								
		- chlorite ± epidote also forms thin, stringer-like bands. Chlorite also occurs in muscovite specks throughout.								
		- upper and lower contacts are sharp at 75° to CA								
114.8	115.9	Felsic Feldspar Crystal Tuff	D03796	114.5	115.0	0.5	7	100	1400	1.0
		- light grey-green, very hard, coarse-grained, weakly magnetic.								
		- this unit correlates with 49.5-50.4, 50.9-53.4 in DL-83-46, except this rock is less								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number OL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		sericitized, giving it a more grey color. - 50% anhedral to subhedral feldspar crystals, ranging in size from 1mm to 4 mm. - feldspars range in color from dull white to light pink. - thin calcite stringers present. - no tuffaceous layering evident - upper and lower contacts are sharp at 70-75° to CA - 1% pyrite, disseminated.								
115.9	116.8	CHERTY METASEDIMENTARY ROCK - as at 113.0-114.6, except this unit has 10% pyrite semimassive from 116.4-116.7. It also has 1% pyrrhotite - sedimentary layering oriented 60-65° to CA - upper and lower contacts sharp at 65-70° to CA.	D037797 3798	115.9 116.4	116.4 116.9	0.5 0.5	10 11	150 140	86 34	1.5 0.5
116.8	118.8	Felsic feldspar CRYSTAL TUFF - as at 114.6-115.9, except this unit has a pink tinge and only 40% feldspar crystals	D037799	117.3	117.55	0.25	42	10	14	40.5
118.8	122.8	CONDUCTIVE ZONE - this is a Cherty metasedimentary rock with 10-15% pyrrhotite and 10-15% pyrite - light to dark grey, hard, medium-grained, strongly magnetic - this correlates with the conductive zone seen in OL-83-46, except this zone has much less argillite associated with it and has more pyrite on the edges of the conductor - chert breccia has abundant towards the	D03800 3801 3802 3803 3804 3805 3806 3807	118.8 119.3 119.8 120.3 120.8 121.3 121.8 122.3	119.3 119.8 120.3 120.8 121.3 121.8 122.3 122.8	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	10 9 11 17 17 14 16 13	33 16 120 760 820 360 280 180	120 920 2000 1000 640 1300 2700 3200	1.0 1.0 1.0 4.0 7.0 2.5 2.0 2.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		bottom of the zone.								
		- the upper and lower contacts are gradational.								
		118.4 - 118.6 ; brecciated zone in chert.								
		118.8 - 120.2 ; weakly conductive, consisting of 15-20% disseminated and semi-massive pyrite, with < 2% pyrrhotite.								
		120.2 - 121.6 ; moderate to strong conductor, consisting of 15-20% pyrrhotite and 2-3% pyrite.								
		121.6 - 122.2 ; weakly conductive, consisting of 7% pyrrhotite and 3-4% pyrite.								
		122.4 - 122.7 ; <1% of a reddish-brown mineral, this is probably sphalerite.								
122.8	147.2	MAGNETITE - bearing Chert	003808	122.8	123.3	0.5	8	550	420	1.5
		- light to dark grey, hard, fine to medium-grained, very magnetic	3809	123.3	123.8	0.5	14	55	5300	1.0
		- this unit correlates with 58.9 - 74.2 in DL-83-46.	3810	123.8	124.3	0.5	30	140	1700	1.5
			3811	124.3	124.8	0.5	7	31	170	<0.5
			3812	124.8	125.3	0.5	8	42	280	<0.5
		- well-banded chert makes up 60-70% of the unit, magnetite 15-20%, mafic material 10%, sulfides (pc + py) 4-5% in roughly equal proportions.	3813	125.3	125.8	0.5	4	27	1300	<0.5
			3814	125.8	126.3	0.5	15	38	240	<0.5
			3815	126.3	126.8	0.5	23	31	120	<0.5
			3816	126.8	127.3	0.5	25	69	300	0.5
		- magnetite occurs in bands ranging in thickness from 1mm to several cm.	3817	127.3	127.8	0.5	61	42	100	<0.5
			3818	127.8	128.3	0.5	25	43	90	0.5
		- the reddish-brown mineral (? sphalerite ?) noted in the conductive zone also occurs here in small (<1%) amounts.	3819	128.3	128.8	0.5	<2	28	34	<0.5
			3820	128.8	129.3	0.5	6	31	40	<0.5
			3821	129.3	129.8	0.5	51	150	96	1.0
		- po + py occurs disseminated and in stringers.	3822	129.8	130.3	0.5	14	28	120	<0.5
		- chlorite occurs throughout, in stringers and in spherulitic granules.	3823	130.3	130.8	0.5	26	10	93	<0.5
			3824	130.8	131.3	0.5	38	10	46	<0.5
		- bedding oriented 45-60° to CA.	3825	131.3	131.8	0.5	18	29	39	<0.5
		- upper and lower contacts are gradational.	3826	131.8	132.3	0.5	45	25	26	<0.5
		- chert appears recrystallized	3827	132.3	132.8	0.5	27	4	16	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		: there are irregular chlorite - filled fractures throughout.	003828	132.8	133.3	0.5	18	22	21	<0.5
			3829	133.3	133.8	0.5	11	13	84	<0.5
		- chert/magnetite banding is better expressed downhole.	3830	133.8	134.3	0.5	13	26	21	<0.5
			3831	134.3	134.8	0.5	91	220	87	1.0
		- chlorite concentration increases downhole, and in some places, as at 132.8, makes up 20-30% of the total composition of the rock.	3832	134.8	135.3	0.5	98	16	42	<0.5
			3833	135.3	135.8	0.5	20	11	18	<0.5
		- 1-2% aluminosilicate aggregate is present locally, as at 146.4.	3834	135.8	136.3	0.5	4	10	21	<0.5
			3835	136.3	136.8	0.5	7	8.5	24	<0.5
			3836	136.8	137.3	0.5	21	67	76	<0.5
		- some soft sediment deformation, as at 133.0	3837	137.3	137.8	0.5	19	40	64	<0.5
		- some small areas of brecciation, as at 133.0	3838	137.8	138.3	0.5	39	84	38	0.5
		- the unit becomes sericitized downhole, at some points so completely that it grades towards a sericite schist, as at 146.0.	3839	138.3	138.8	0.5	58	29	37	<0.5
			3840	138.8	139.3	0.5	3	25	28	<0.5
			3841	139.3	139.8	0.5	13	170	36	<0.5
		- <1% garnet along some fracture surfaces.	3842	139.8	140.3	0.5	21	49	68	<0.5
		- <1% tourmaline in some quartz veins.	3843	140.3	140.8	0.5	9	160	58	0.5
		126.1-126.8 : an area of 80-90% chert with 5-10% spherulitic growths of chlorite or a similar mineral. These growths are dark green, rounded, up to 0.5 cm wide, and appear to radiate outward from the centre. These occur throughout the unit but are most abundant over this interval.	3844	140.8	141.3	0.5	17	94	81	0.5
			3845	141.3	141.8	0.5	23	78	38	<0.5
			3846	141.8	142.3	0.5	10	66	36	<0.5
			3847	142.3	142.8	0.5	<2	43	24	<0.5
			3848	142.8	143.3	0.5	<2	37	28	<0.5
			3849	143.3	143.8	0.5	<2	49	24	<0.5
			3850	143.8	144.3	0.5	10	110	34	0.5
			3851	144.3	144.8	0.5	4	96	31	<0.5
147.2	151.8	Quartz-eye felsic Tuff / felsic Feldspar Crystal Tuff - very hard, non-magnetic, medium to coarse-grained, light to dark grey.	3852	144.8	145.3	0.5	20	50	41	<0.5
			3853	145.3	145.8	0.5	11	70	77	<0.5
			3854	145.8	146.3	0.5	9	61	88	<0.5
		- interbedded quartz-eye felsic Tuff and felsic feldspar crystal tuff. The beds range from 4 to 80 cm in width.	3855	146.3	146.8	0.5	80	160	130	1.0
			3856	146.8	147.3	0.5	4	55	150	0.5
		- quartz-eye felsic tuff has 25% sub-rounded, bluish quartz-eyes up to 0.5 cm in diameter. The rock is light-grey with ripple banding.	003857	149.6	149.85	0.25	<2	3.5	38	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		oriented 70° to CA.								
		- felsic feldspar crystal tuff is dark grey with 15-20% subhedral to euhedral feldspar crystals. Tuffaceous layering oriented 70° to CA.								
		- the entire unit has lapilli size feldspar grains stretched parallel to bedding.								
		- there are some minor (<1cm) quartz veins oriented 40-50° to CA								
		- chlorite ± epidote present, especially along fracture surfaces.								
		- there is also <1% kspar, and <1% garnet present.								
151.8	172.2	Siliceous felsic lapilli Tuff	D03858	152.5	153.75	0.25	5	9.5	59	<0.5
		- grey, very hard, medium to coarse-grained, non-magnetic.	3859	155.5	155.75	0.25	<2	4.5	11	<0.5
		- has an epidotic appearance, with alternating bands of chlorite-rich and biotite-rich rock.	3860	158.5	158.75	0.25	<2	6.0	10	<0.5
			3861	161.4	161.65	0.25	<2	9.5	14	<0.5
			3862	164.4	164.65	0.25	5	14	12	<0.5
			3863	167.3	167.55	0.25	2	13	8	<0.5
		- 5-10% bluish, sub-rounded quartz eyes	3864	170.2	170.45	0.25	<2	6	8	<0.5
		- 30-40% feldspar crystals, generally 1mm in width, stretched, and showing a preferred orientation parallel to bedding.								
		- partially sericitized								
		- tuffaceous layering 70° to CA								
		- abundant quartz stringers and veins (up to 2cm wide) throughout, oriented 30-70° to CA. These have minor carbonate, chlorite and epidote alteration along their margins								
		- some small scale brecciation noted, especially along quartz veins								
		- <1% individual garnet								
		- <1% Kspar, (commonly distributed).								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

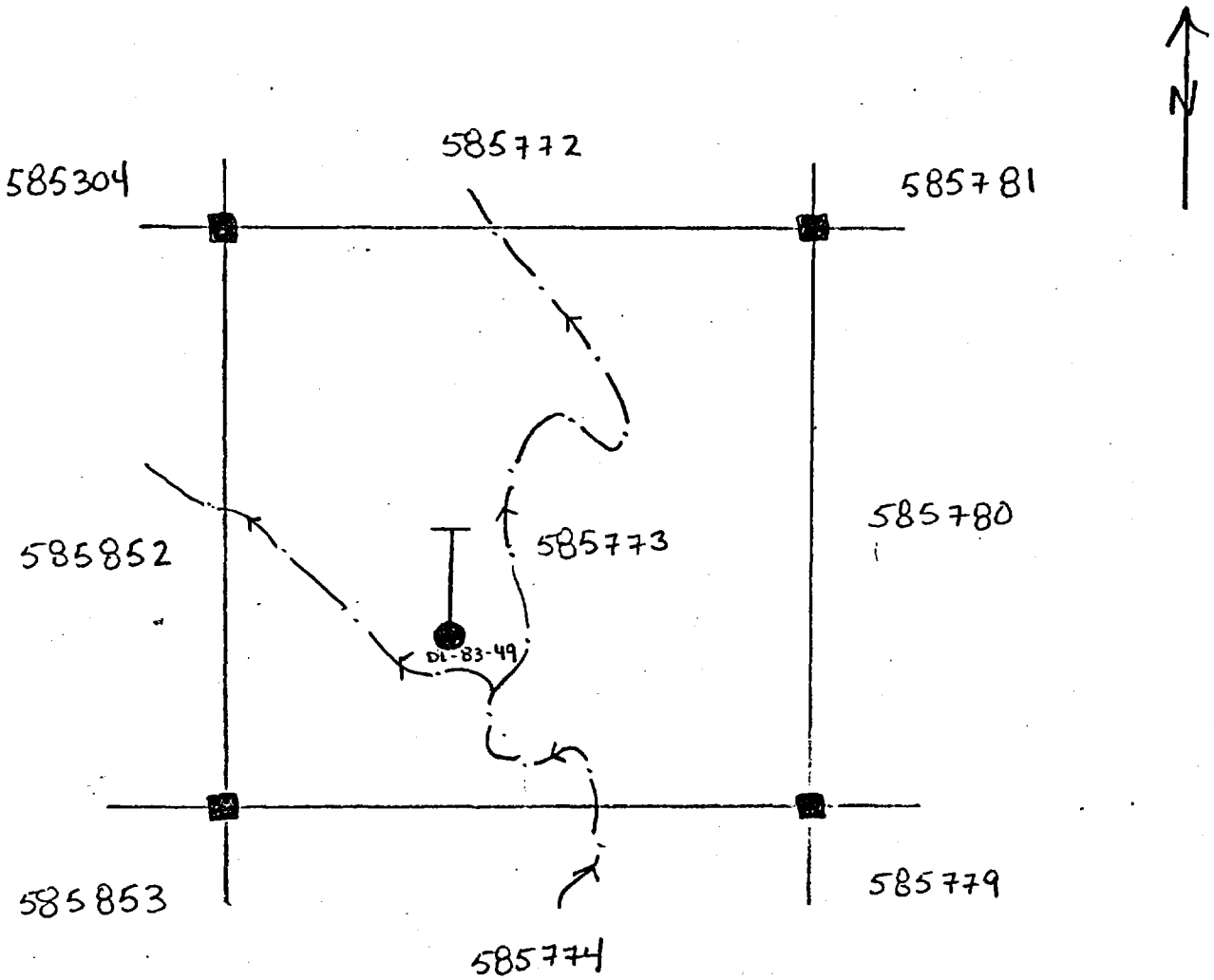
FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		- some of the larger quartz-eyes squeeze out the tuffaceous component so that it looks as if there is a foliation around the quartz-eyes								
		- <1% pyrite								
		- this correlates with 81.4-106.2 in DL-83-46								
		- towards the base of the unit there is hematite staining, as at 171.2								
		- upper and lower contacts gradational.								
		159.5-160.3 ; mafic unit with feldspar crystals and tuffaceous layering. Sharp contacts oriented 60-65° to CA.								
172.2	203.0	INTERMEDIATE TUFF	D038 65	173.35	173.60	0.25	2	16	29	<0.5
		- dark grey-green, very hard, non-magnetic, medium-grained.	66	176.2	176.45	0.25	<1	16	29	<0.5
			67	179.1	179.35	0.25	3	22	24	<0.5
		- 10-15% blue, rounded quartz-eyes. These quartz-eyes are a darker blue and smaller (2-3 mm) than those noted uphole.	68	182.1	182.35	0.25	5	15	21	<0.5
			69	184.95	185.20	0.25	<2	8.5	56	0.5
		- tuffaceous layering not as well expressed here, but is oriented approximately 75° to CA.	70	187.9	188.15	0.25	<2	170	70	<0.5
			71	190.75	191.0	0.25	<2	12	32	<0.5
		- 2-3% disseminated pyrite, <1% pyrrhotite	72	192.25	192.50	0.25	6	63	25	<0.5
		- some hematite staining, especially along fracture surfaces, as at 165.0	73	193.65	193.9	0.25	<2	10	22	<0.5
			74	193.9	194.15	0.25	<2	12	32	0.5
		- <1% aluminosilicate, as at 165.8	75	196.7	196.95	0.25	2	43	49	<0.5
		- 2-3% K-spar	76	199.6	199.85	0.25	<2	47	24	<0.5
		- 1% quartz	77	200.45	200.7	0.25	<2	18	16	<0.5
		- chloritized, ± some epidote along fracture surfaces								
		- percentage of quartz-eyes increases to 20-35% downhole								
		189.2-189.9 ; mafic tuff with 5% pink feldspar crystals up to 0.5cm in diameter. Sharp								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-47

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		upper and lower contacts at ±5° to CA.					
		193.4 ; 8 cm wide quartz vein					
		193.8 ; 4 cm wide quartz vein					
		203m E.O.H.					



LOCATION MAP

DL-83-49

0 300

metres

DRAWN BY: K.S		DATE: OCT 83
CHECK'D BY:		DRAWG No:
NTS: 32 E/15		SCALE: 1:5,000

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GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

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

Grid. C-14
Latitude. L 2+00E
Departure. BL 0+00

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

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

Date Logged. DECEMBER 14-16, 1983
Logged by. D.G. RUPPERT, M.
K Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-55°
39.6m	-61°	-52.5°
91.1m	-54°	-45°

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

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
40.5	44.7	EPICLASTIC METASEDIMENTARY ROCK - grey with brown bands, medium-grained, medium hardness, weakly magnetic. - well-bedded; bedding oriented 60° to CA. The beds are 1-2mm to 1-2cm in width. - biotite bands present. - there is some clastic material, as at 42.6, making up only 1-2% of the entire unit. Clasts are rounded and range in size from 1-2mm to 2cm. - 1-2% po + py - Upper and lower contacts are gradational	DO3661	42.6	42.85	0.25	2	100	41	0.5
44.7	70.6	MAFIC TUFF - as at 36.9 - 40.5, except this unit has a greater clastic component (5-7%). - this unit also displays a greater degree of carbonatization. Some sections, as at 47.3, have carbonate blebs (clasts?) developed, ranging in size from 1mm to 2cm. - the unit becomes more clastic downhole, to a point around 59.8 where clasts are up to 3-4cm wide and make up 30% of the rock. It's possible that this is a debris flow. - gradational upper and lower contacts. 59.3: a 10cm wide graphite / sulfide zone. It is weakly conductive.	DO3662	45.7	45.95	0.25	<2	120	34	0.5
			63	48.5	48.75	0.25	<2	38	29	0.5
			64	51.4	51.65	0.25	3	350	91	1.0
			65	54.4	54.65	0.25	2	180	35	0.5
			66	57.2	57.45	0.25	<2	110	52	0.5
			67	59.2	59.55	0.25	9	140	160	1.0
			68	60.1	60.35	0.25	<2		69	0.5
			69	63.1	63.35	0.25	<2	110	22	0.5
			70	65.9	66.15	0.25	<2	140	24	0.5
			71	68.85	69.1	0.25	<2	48	56	0.5
70.6	72.8	SILICIOUS SILTSTONE - grey, hard, medium-grained, magnetic - this unit has a gradational upper contact and a sharp lower contact, oriented 60-65° to CA	DO3672	71.7	71.95	0.25	<2	99	110	1.0
			73	72.3	72.8	0.50	<2	73	130	1.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- 10-15% disseminated py, 1-2% po.								
		- has some clastic material, as at 72.6								
72.8	85.4	CONDUCTIVE ZONE	D03674	72.8	73.3	0.5	5	580	1700	0.5
		- graphitic, sulfide-bearing, metasedimentary rock	75	73.3	73.8	0.5	3	210	3100	1.0
		- black, fine-grained, magnetic, medium hardness	76	73.8	74.3	0.5	11	240	7300	1.0
		- good to very good conductor	77	74.3	74.8	0.5	23	190	2700	1.0
		- abundant quartz throughout, as irregular stringers.	78	74.8	75.3	0.5	7	110	1300	1.0
		- 10% po throughout, occurring as stringers and blebs up to 2cm wide. 2-3% py.	79	75.3	75.8	0.5	2	180	260	1.0
		- po blebs are rimmed by quartz.	80	75.8	76.3	0.5	<2	53	290	0.5
		- there is some brecciated or clastic material of the same composition as the host rock.	81	76.3	76.8	0.5	3	38	280	0.5
		- banded, with bands oriented 50° to CA.	82	76.8	77.3	0.5	3	32	210	<0.5
		- upper and lower contacts fairly sharp, at 50° to CA.	83	77.3	77.8	0.5	<2	45	140	0.5
		75.4, 78.4, 78.6, 78.8-79.0, 84.2-84.5: siliceous siltstone units, ranging in thickness from 1cm to 30cm. These beds are similar to those at 70.6-72.8.	84	77.8	78.3	0.5	<2	120	240	0.5
			85	78.3	78.8	0.5	<2	160	150	0.5
			86	78.8	79.3	0.5	<2	130	840	1.0
			87	79.3	79.8	0.5	<2	100	940	1.0
			88	79.8	80.3	0.5	<2	81	750	0.5
			89	80.3	80.8	0.5	4	120	480	1.0
			90	80.8	81.3	0.5	4	120	640	1.0
			91	81.3	81.8	0.5	7	150	1300	1.0
			92	81.8	82.3	0.5	7	150	1400	1.5
			93	82.3	82.8	0.5	16	150	1600	1.5
		84.6, 85.0: blocky core.	94	82.8	83.3	0.5	6	130	770	1.0
			95	83.3	83.8	0.5	9	170	1300	1.0
85.4	93.1	SILICEOUS SILTSTONE	96	83.8	84.3	0.5	7	170	1400	1.5
		- as at 70.6-72.8, with 7-8% pyrite, 1-2% pyrrhotite.	97	84.3	84.8	0.43	5	170	1000	1.5
			98	84.8	85.3	0.43	16	100	2800	1.0
		- there is some clastic material, as at 89.5, but this makes up only 3-5% of the unit.								
		- bedding 50-60° to CA.	D03699	85.3	85.8	0.43	2	36	230	0.5
		- upper contact sharp at 50° to CA, lower contact gradational.	00	85.8	86.3	0.43	<2	34	740	0.5
			01	86.3	86.8	0.5	<2	52	1700	2.5
		88.1: 5cm of graphitic conductor, as at 72.8-88.1.	02	86.8	87.3	0.5	2	74	320	1.0
			03	87.3	87.8	0.5	6	61	1100	1.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		88.5, 88.7, 87.3, 87.9 ; blocky core.	D03704	87.8	88.3	0.5	<2	69	2100	1.5
			05	88.3	88.8	0.5	11	98	200	1.0
93.1	139.3	MAFIC VOLCANIC ROCK	06	88.8	89.3	0.5	18	100	220	1.0
		- grey-green, hard, medium-grained, locally weakly magnetic.	07	89.3	89.8	0.5	7	150	120	1.0
		- 1-2% po + py.	08	89.8	90.3	0.5	4	150	95	1.0
		- partially silicified in places, as at 96.7.	09	90.3	90.8	0.5	7	100	170	0.5
		- quartz stringers randomly oriented throughout	10	90.8	91.3	0.5	2	160	120	1.0
		- some clastic material, as at 96.5, although this is not pervasive.	11	91.3	91.8	0.5	<2	240	110	1.0
		- upper and lower contacts gradational.	12	91.8	92.3	0.5	<2	130	100	0.5
		- the unit becomes more siliceous down-hole	13	92.3	92.8	0.5	<2	82	54	0.5
		104.4 ; 5 cm wide quartz vein, with 1-2% py + po.	14	92.8	93.3	0.5	<2	120	26	0.5
		109.7 - 110.0 ; coarser-grained.								
		117.2 - 117.7 ; more quartz-rich zone, with 5-6% po, 1% py.	003715	94.5	94.75	0.25	2	100	42	0.5
		118.5 ; clastic material over a 10 cm zone. Angular clasts of mafic composition.	16	97.3	97.55	0.25	6	100	65	0.5
		121.0 ; the unit becomes alternately fine-grained and medium-grained (coarser amphibole grains developed in the medium-grained sections).	17	100.3	100.55	0.25	2	230	28	0.5
			18	103.1	103.35	0.25	<2	150	58	0.5
			19	104.25	104.50	0.25	4	190	43	0.5
			20	106.1	106.35	0.25	<2	150	30	0.5
			21	109.0	109.25	0.25	2	120	27	0.5
			22	112.0	112.25	0.25	6	56	33	0.5
			23	114.95	115.20	0.25	5	110	53	0.5
			24	117.2	117.7	0.5	8	370	39	1.0
			25	117.9	117.15	0.25	3	120	42	0.5
			26	120.75	121.0	0.25	<2	36	28	0.5
			27	123.80	124.05	0.25	21	850	35	1.5
		122.9 - 123.1 ; quartz-rich zone.	28	126.7	126.95	0.25	5	87	32	0.5
		127.0 ; 5 cm of clastic material. angular, felsic to mafic clasts.	29	129.7	129.95	0.25	18	140	35	0.5
		129.2 - 129.4 ; clastic material - angular, mafic clasts.	30	132.7	132.95	0.25	<2	100	45	0.5
		130.5 - 130.6 ; quartz	31	135.4	135.65	0.25	<2	140	47	0.5
		136.6 ; the unit becomes more magnetic and sulfide concentration increases to 3-4% po, 1% py.	32	138.2	138.7	0.5	11	120	270	1.0
			33	138.7	139.2	0.5	<2	75	86	0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		137.3-138.3 ; aluminosilicate-rich, epiclastic, metasedimentary unit with clastic material.								
		138.4-138.5 ; narrow argillaceous, sulfide-bearing unit, with 25% py, 1-2% po.								
139.3	140.2	CONDUCTIVE ZONE	D03734	139.2	139.7	0.5	18	61	180	1.0
		- argillaceous, sulfide-bearing metasediments with minor graphite and 15% po, 4-5% py.	35	139.7	140.2	0.5	24	110	260	0.5
		- bedding at 40°-50° to CA								
		- moderate conductor.								
		- there is 4-5% clastic material of mafic to intermediate composition.								
		- upper and lower contacts fairly sharp at 40° to CA.								
140.2	145.8	SILICIFIED EPICLASTIC METASEDIMENT	003736	140.2	140.7	0.5	2	70	100	1.0
		- hard, medium-grained, clastic in places, non-magnetic, light grey.	37	140.7	141.2	0.5	2	81	140	1.0
		- rich in aluminosilicate in places, as at 141.6.	38	141.2	141.7	0.5	<2	29	71	0.5
		- bedding at 40° to CA.	39	141.7	142.2	0.5	3	26	55	<0.5
		- clasts are angular, and of intermediate to felsic composition.	40	142.2	142.7	0.5	<2	22	39	0.5
		- some areas have alternating chlorite-biotite bands, as at 141.7.	41	142.7	143.2	0.5	3	93	31	0.5
		- 1-2% po + py.	42	143.2	143.7	0.5	<2	72	24	0.5
		- some areas are quite turbid, as at 143.3	43	143.7	144.2	0.5	<2	110	21	0.5
		- upper and lower contacts are sharp at 40° to CA.	44	144.2	144.7	0.5	<2	120	52	0.5
		142.1-142.4 ; mafic volcanic flow.	45	144.7	145.2	0.5	<2	8.5	21	0.5
			46	145.2	145.7	0.5	<2	7	30	0.5

GETTY MINES, LIMITED

Hole Number DL-83-49

DRILL HOLE LOG

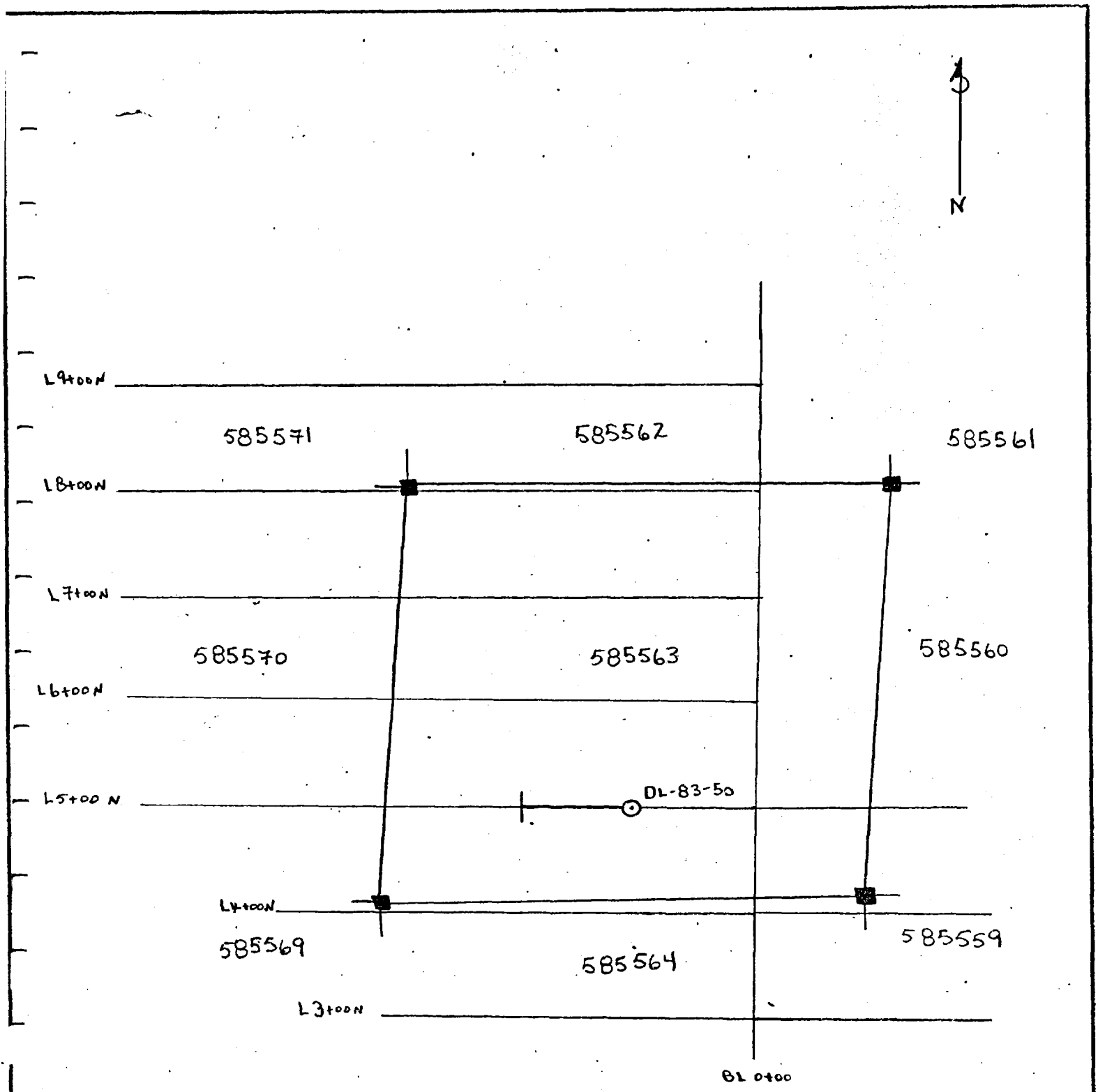
FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
145.8	152.6	SILICIFIED MAFIC VOLCANIC ROCK	D03747	145.7	146.2	0.5	<2	9	29	<0.5
		- hard, medium-grained, non-magnetic, light-grey to grey-green.	48	146.2	146.7	0.5	6	15	12	<0.5
		- randomly oriented quartz stringers throughout.	49	147.0	147.25	0.25	<2	94	36	0.5
			50	147.8	148.3	0.5	<2	110	21	0.5
			51	149.9	150.15	0.25	<2	7.5	33	0.5
		- Chlorite-rich								
		- 1% po + py.								
		151.4 - 151.7 ; silicified epiclastic metasedimentary unit, as at 146.2 - 145.8.								
152.6	162.9	MAFIC VOLCANIC ROCK	D03752	152.8	153.05	0.25	5	170	32	<0.5
		- medium-grained, medium hardness, non-magnetic, massive, grey-green.	53	155.7	155.95	0.25	5	140	34	<0.5
			54	158.7	158.95	0.25	3	110	30	<0.5
		- this unit is similar to 145.8 - 152.6 except it is not silicified and is more massive.	55	161.5	161.75	0.25	5	170	21	<0.5
162.9	164.6	AMPHIBOLITE								
		- medium hardness, grey-green, non-magnetic, medium-grained.								
		- well-developed amphiboles make up 25% of the rock. the remainder is plagioclase, pyroxene, chlorite, and some quartz.								
		- randomly oriented quartz stringers throughout								
		- <1% Po + Py.								
		- upper and lower contacts are gradational.								
164.6	191.1	MAFIC VOLCANIC ROCK.	D03756	164.5	164.75	0.25	2	120	36	<0.5
		- as at 152.6 - 162.9	57	167.3	167.55	0.25	<2	320	33	0.5
		- there is a small amount (3%) of K-feldspar developed, as at 166.3.	58	170.3	170.55	0.25	3	110	19	<0.5
			59	171.75	172.0	0.25	<2	52	24	0.5
		- 3-5% aluminosilicate noted, as at 167.6	60	173.0	173.25	0.25	3	170	69	<0.5
		- some zones, as at 170.3, show well-developed amphiboles.	61	176.0	176.25	0.25	3	120	35	<0.5
			62	177.3	177.55	0.25	<2	17	37	<0.5
		- some carbonate along fracture surfaces.	63	179.0	179.25	0.25	<2	150	22	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-49

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		166.3 - 166.4 ; this may be a narrow epiclastic metasedimentary unit, as at 140.2-145.8, with bedding oriented 35°-40° to CA.	003764	181.8	182.05	0.25	<2	170	23	<0.5
			65	184.65	184.9	0.25	2	97	15	0.5
			66	187.5	187.75	0.25	3	110	17	<0.5
		171.8 - 171.9 ; quartz vein with brecciation along the margins	67	190.45	190.7	0.25	<2	51	22	<0.5
		174.0 - 174.5 ; siliceous zone with coarse chlorite blebs.								
		175.5 ; from this point to the bottom of the hole amphibolites are well-developed. This could be termed 'amphibolitized' mafic volcanic rock.								
		177.3 - 177.4 ; quartz vein with contacts at 40° to CA.								
		191.1 E.O.H.								



DDH LOCATION

D.D.H. DL-83-50

1:5000

0 50 100 150 200

METRES

DRAWN BY: DCR		DATE: JAN 84
CHECKED BY:		DRAW'G NO:
N.T.S. 32 E/13		SCALE: 1:5,000

Getty Canadian Metals, Ltd.

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

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

Grid. C-12
Latitude. 1.5+00.N
Departure. 1+15.W

Core Size. BQ
Elev. Collar.
Bearing. 270°
Dip. -50°
Length. 191.2m
Horiz. Trace. 130.0m
Vert. Trace. 139.5m

Starting Date. JANUARY 25, 1984.
Completion Date. JANUARY 29, 1984.

Date Logged. JANUARY 27-29, 1984
Logged by. D.C. RUDDERHAM
K. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
6.1m	-57°	-48°
91.9m	-55°	-46°
191.2m	-55°	-46°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
0	4.6	OVERBURDEN								
4.6	28.4	QUARTZ-EYE FELSIC TUFF / SILICEOUS EPICLASTIC METASEDIMENTARY ROCK								
		- light to dark grey, very hard, medium to coarse-grained, non-magnetic.	D04000	6.6	6.85	0.25	<2	1.5	18	<0.5
		- interbedded felsic tuff and siliceous epiclastic metasediment.	002001	10.0	10.25	0.25	<2	4.5	52	<0.5
		- both have 25-30% quartz-eyes. These are dark (smoky quartz), sub-rounded, and range in size from 1mm to 1cm. The smaller quartz-eyes are not as dark, with some small enough to appear clear. Some have an angular shape, suggesting they may not be true quartz-eyes. An alternative explanation would be that these are siliceous fragments from an explosive event (agglomerate).	2002	12.7	12.95	0.25	<2	5.5	47	<0.5
			2003	16.65	16.9	0.25	<2	6.5	39	<0.5
			2001	18.5	18.75	0.25	<2	6.5	19	<0.5
			2005	21.3	21.55	0.25	<2	11.0	23	<0.5
			2006	24.3	24.55	0.25	<2	6.0	23	<0.5
			2007	27.3	27.55	0.25	<2	4.5	36	<0.5
		- 15% lapilli-size feldspar crystals. These are stretched and have a preferred orientation parallel to tuffaceous layering.								
		- tuffaceous layering oriented 60-70° to CA								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- epiclastic metasediments have alternating bands of lighter and darker colored material. These bands are concordant with layering. The dark bands are biotite or phlogopite-rich, and the light bands are feldspar-rich.								
		- tuffaceous layering is displaced by quartz-eyes								
		- <1% disseminated pyrite.								
		- chlorite ± epidote occurs in thin stringers throughout.								
		- <1% pink K-feldspar.								
		- lower contact gradational								
		10.5-10.7 : mafic tuff								
		24.8-25.6 : garnetiferous siliceous siltstone								
28.4	37.3	GARNETIFEROUS SILICEOUS SILTSTONE	002008	30.2	30.45	0.25	2	40	34	<0.5
		- dark-grey, medium-grained, locally magnetic, hard	2009	33.1	33.35	0.25	4	22	120	1.0
			2010	36.1	36.35	0.25	<2	49	63	0.5
		- intermediate composition								
		- contains 10% garnet, concentrated in bands. Garnet is subhedral to euhedral, pink, and range in size from <1mm to 4mm.								
		- excellent bedding at 60° to CA.								
		- some clastic material noted, as at 33.5. Some clasts are up to 5cm in diameter. They appear to be of intermediate to felsic composition.								
		- 1-2% recrystallized, blue quartz-eyes towards the top of the unit.								
		- 3-4% disseminated and stringer pyrite; 2-3% disseminated and stringer pyrrhotite.								
		- upper and lower contacts gradational.								
37.3	43.2	GARNETIFEROUS SILICEOUS EPICLASTIC METASEDIMENT	002011	38.95	39.20	0.25	<2	42	66	<0.5
		- light to dark-grey, medium-grained, hard, locally magnetic.	2012	41.4	41.9	0.5	11	220	140	2.5
			2013	42.0	42.25	0.25	6	120	340	1.0

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- has alternating bands of light (chlorite + feldspar) and dark (biotite + phlogopite) material. These bands are randomly spaced and are of varying widths.								
		- 10-15% anhedral to euhedral, pink garnet								
		- intermediate composition								
		- 2% disseminated pyrite, 1% disseminated pyrrhotite.								
		- excellent sedimentary layering oriented 60° to CA.								
		- Here are 1mm specks of chlorite + mafic minerals disseminated throughout.								
		- upper and lower contacts gradational.								
		41.6 - 41.8 : 40% semi-massive pyrite in graphite. This is a good conductor. Contacts concordant with bedding at 60-70° to CA.								
		42.5 : pyrrhotite concentration increases to 3-4%.								
43.2	64.9	FELSIC LAPILLI TUFF	0C2014	44.9	45.15	0.25	12	12	56	<0.5
		- grey, very hard, medium-grained (lapilli-size grains in a fine-grained groundmass), non-magnetic.	2015	47.6	47.85	0.25	<2	5.5	32	<0.5
			2016	50.7	50.95	0.25	<2	35	64	0.5
			2017	53.6	53.85	0.25	<2	4.5	19	<0.5
		- 30-35% feldspar grains. These are lapilli-size, stretched, and show a preferred orientation parallel to tuffaceous layering.	2018	55.6	55.85	0.25	<2	4.5	28	<0.5
			2019	59.2	59.45	0.25	<2	2.5	9.5	<0.5
			3020	62.25	62.5	0.25	<2	15	42	<0.5
		- tuffaceous layering oriented 65° to CA								
		- 2% disseminated and stringer pyrite. In most cases it is fracture controlled.								
		- chlorite-rich, especially along fracture surfaces								
		- feldspars are partially sericitized.								
		- upper and lower contacts gradational.								
		- concentration of feldspar grains decreases to 10-15% towards the bottom of the unit.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		50.4 - 52.1 : intermediate dyke. Contacts are at 90° to CA.								
64.9	71.7	GRAPHITIC METASEDIMENTARY ROCK	D02021	64.9	65.4	0.5	4	44	140	0.5
		- black, fine-grained, medium hardness, weakly magnetic, massive.	2022	65.4	65.9	0.45	<2	33	150	<0.5
		- 50-60% graphite.	2023	65.9	66.4	0.45	<2	47	92	<0.5
		- this unit is very weakly conductive.	2024	66.4	66.9	0.5	<2	40	51	<0.5
		- 5-7% finely disseminated pyrite throughout, with some occurring along thin fractures, as at 67.7. 2-3% finely disseminated pyrrhotite throughout.	2025	66.9	67.4	0.5	<2	35	39	0.5
			2026	67.4	67.9	0.40	<2	37	150	<0.5
			2027	67.9	68.4	0.40	<2	43	130	0.5
			2028	68.4	68.9	0.45	<2	58	150	<0.5
			2029	68.9	69.4	0.45	<2	41	100	<0.5
		- sedimentary layering oriented 60° to CA.	2030	69.4	69.9	0.38	<2	44	220	<0.5
		- upper contact lost in ground - up core - lower contact gradational.	2031	69.9	70.4	0.38	<2	45	120	0.5
			2032	70.4	70.9	0.38	9	58	220	<0.5
		- 1% pink K-feldspar, concentrated at the top of the unit, as at 64.9.	2033	70.9	71.4	0.38	<2	47	200	<0.5
			2034	71.4	71.9	0.5	18	580	390	2.0
		- there is some alteration outwards from fractures for several mm.								
		- fractures concordant with layering at 60° to CA.								
		- the entire unit is broken up, and at least 20cm of core has been lost around 70.8m								
71.7	72.9	CONDUCTIVE ZONE	D02035	71.9	72.4	0.5	34	460	580	4.0
		- sulfide-bearing graphitic metasediment, with 20% pyrrhotite and 5% pyrite.	2036	72.4	72.9	0.5	32	230	740	2.0
		- pyrrhotite is disseminated, stringer, and semi-massive type. Pyrite is disseminated.								
		- black, medium hardness, fine-grained, very magnetic								
		- this is a good to very good conductor.								
		- upper contact gradational, the lower contact was lost in ground-up core.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		- sedimentary layering oriented 60-65° to CA.								
		- 60-65% graphite. The remainder is argillite.								
		- pyrrhotite is banded parallel to bedding in places, as at 72.2.								
72.9	78.5	STRIPED FELSIC TUFF	DC2037	74.2	74.45	0.25	4	35	67	0.5
		- light to dark grey, very hard, non-magnetic, medium-grained.	2038	77.1	77.35	0.25	<2	8	22	<0.5
		- this unit has alteration banding ("stripes"). These bands are of various width and are irregularly spaced. This phenomenon is probably the result of sausseritization of feldspar.								
		- tuffaceous layering oriented 60° to CA.								
		- banding is oriented parallel to tuffaceous layering.								
		- 15% quartz-eyes. These are sub-rounded, clear, and range in size from 1mm to 0.5cm.								
		- 20% lapilli-size feldspar grains.								
		- upper contact lost in ground-up core; lower contact sharp at 45-50° to CA.								
		- chlorite-rich								
		- 1% euhedral, pink garnet. These are randomly distributed.								
		- tuffaceous layering displaced by quartz-eyes in some places, as at 84.5.								
		- <1% disseminated pyrrhotite + pyrite								
		- <1% tourmaline, occurring in only one or two places, as at 82.4								
		- 1-2% pink K-feldspar, occurring mostly along fracture surfaces.								
		- minor carbonate alteration, especially along fracture surfaces.								
		73.2 - 74.5: large feldspar crystals, up to								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		0.5cm in diameter								
		74.7 - 74.8 : mafic sill.								
78.5	79.8	MAFIC DYKE	D03039	78.7	79.2	0.5	74	150	66	2.0
		- green, hard, fine to medium-grained, weakly magnetic.	40	79.2	79.7	0.5	70	170	66	2.5
		- sharp upper and lower contacts at 45-50° to CA.								
		78.7 - 79.7 : 1cm wide quartz vein extending the length of the core parallel to CA. This vein has 15% pyrite and 2-3% pyrrhotite.								
79.8	83.2	STRIPED FELSIC TUFF	003041	80.1	80.35	0.25	<2	10	22	<0.5
		- as at 72.9 - 78.5	42	83.1	83.35	0.25	<2	10	29	<0.5
		- sharp upper contact at 45-50° to CA; sharp lower contact at 75-80° to CA.								
83.2	84.3	Feldspar Porphyry DYKE								
		- grey-brown, porphyritic, hard, non-magnetic.								
		- 50% feldspar phenocrysts in a fine-grained groundmass. Phenocrysts are sub-rounded, white, and range in size from ≈ 1mm to 3-4mm.								
		- the unit has a set of chlorite-filled fractures oriented 40° to CA. Fractures have a 3mm altered zone on either side.								
		- upper contact sharp at 75-80° to CA; the lower contact is sharp at 50° to CA.								
84.3	97.7	STRIPED FELSIC TUFF	003043	86.0	86.25	0.25	<2	1	19	<0.5
		- as at 72.9 - 78.5	44	88.9	89.15	0.25	<2	2	35	<0.5
		- sharp upper contact at 50° to CA; gradational lower contact.	45	91.9	92.15	0.25	<2	2	37	<0.5
			46	94.8	95.05	0.25	<2	8.5	31	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Pb(ppm)	Cu(ppm)	Zn(ppm)	Ag(ppm)
97.7	112.7	GARNETIFEROUS SILICEOUS SILTSTONE	D02047	97.65	97.9	0.25	<2	7.5	150	<0.5
		- light to dark-grey, fine to medium-grained, locally weakly magnetic, hard.	48	100.5	100.75	0.25	<2	11	88	<0.5
		- 5% pink, anhedral garnet forming bands up to 2cm wide.	49	101.7	102.2	0.5	<2	170	110	1.5
		- 3-4% disseminated pyrite, 1% disseminated pyrrhotite.	50	103.25	103.5	0.25	32	69	310	0.5
		- 3-4% small (1-3mm), round, blue quartz-eyes, randomly distributed.	51	106.4	106.65	0.25	6	8	62	<0.5
		- excellent sedimentary layering at 60° to CA.	52	109.15	109.4	0.25	3	51	72	<0.5
		- gradational upper and lower contacts.	53	112.0	112.25	0.25	<2	5.5	6	<0.5
		- partially sericitized in places, as at 98.0.								
		99.2-99.3, 101.4-102.2: feldspar porphyry.								
		101.9-102.1: quartz vein with 10-15% pyrite, 3-4% pyrrhotite.								
112.7	123.4	FELSIC LAPILLI TUFF	D02054	114.9	115.15	0.25	<2	6	5.5	<0.5
		- light-grey, very hard, non-magnetic, fine to medium-grained	55	118.0	118.25	0.25	3	12	17	<0.5
		- tuffaceous layering oriented 40° to CA.	56	120.75	121.0	0.25	14	27	21	<0.5
		- partially sericitized.								
		- 15% lapilli-size feldspar grains. These are stretched and have a preferred orientation parallel to tuffaceous layering.								
		- chlorite-rich, concentrated along fracture surfaces.								
		- upper and lower contacts gradational.								
		- 3-4% pink K-feldspar.								
		- 10% quartz eyes. These are small (1-3mm), rounded, and either blue or clear in color.								
		119.1: 7cm wide quartz vein.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

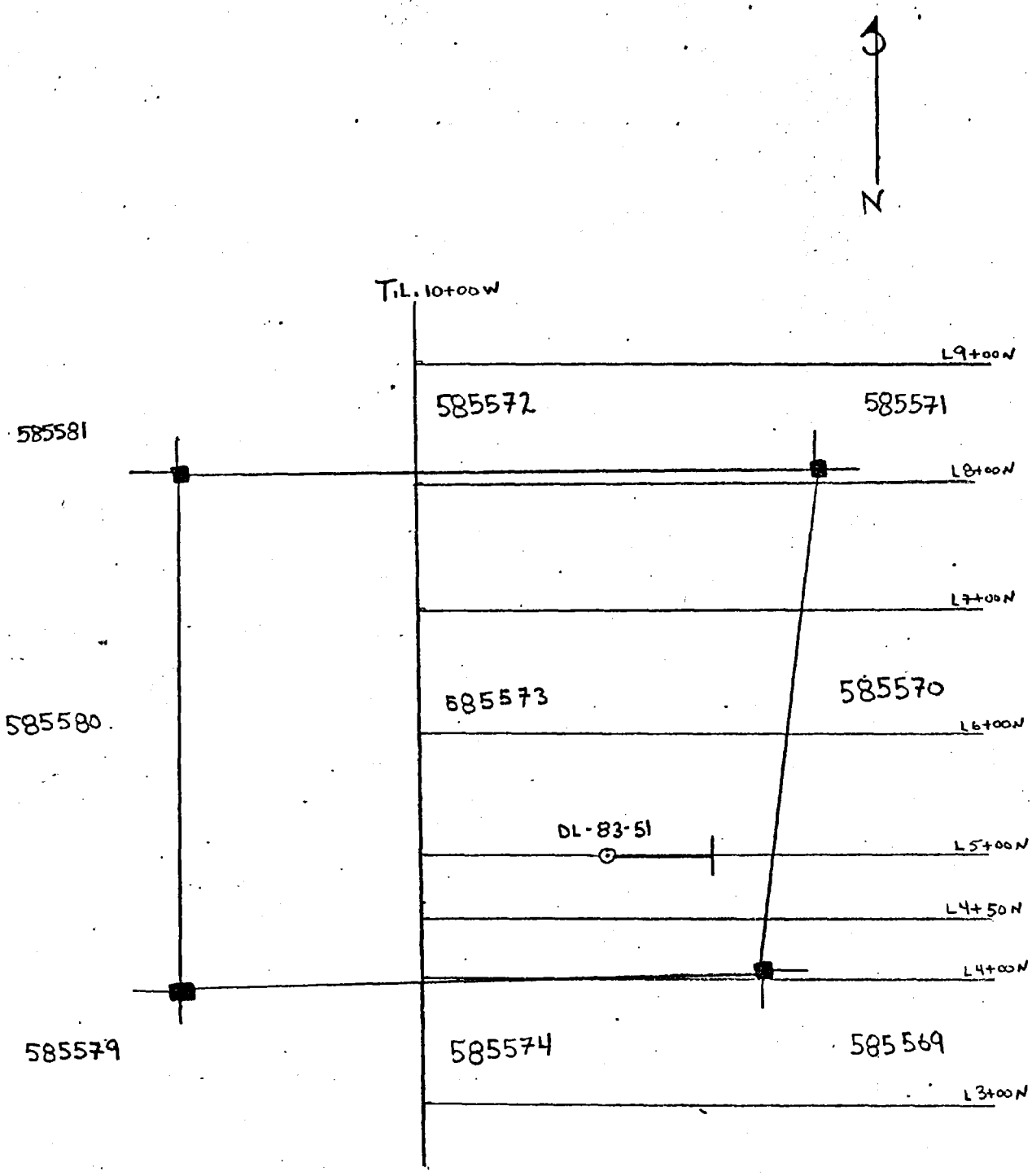
FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
123.4	148.0	SILICEOUS SILTSTONE	002057	123.5	123.75	0.25	15	11	38	<0.5
		- as at 97.7-112.7, except this unit has no garnet	58	126.4	126.65	0.25	<2	40	46	<0.5
		- Mod sedimentary deformation in places, as at 125.8	59	130.5	130.75	0.25	<2	13	35	<0.5
		- Sericitized	60	133.50	133.75	0.25	<2	72	43	0.5
		- intermediate composition	61	136.5	136.75	0.25	<2	16	38	<0.5
		- some carbonate alteration in places, especially	62	139.5	139.75	0.25	<2	19	40	<0.5
		along fracture surfaces	63	142.4	142.65	0.25	<2	14	35	<0.5
		- upper and lower contacts gradational	64	145.15	145.4	0.25	<2	7	24	<0.5
		123.9 - 124.4 : blocky core								
		129.6 - 130.2 : blocky core. At least 50-60 cm of core lost here.								
		143.5- 143.9 : feldspar porphyry								
		146.1- 146.3 ; quartz vein								
148.0	153.2	STRIPED FELSIC TUFF	002065	148.0	148.25	0.25	10	13	33	<0.5
		- as at 72.9 - 78.5, except there is no garnet in this unit.	66	150.95	151.2	0.25	<2	8	13	<0.5
		- upper and lower contacts gradational								
		- 3-4% small, rounded, blue quartz-eyes								
		152.0-152.1 : intermediate tuff.								
153.2	160.2	FELSIC LAPILLI TUFF	002067	154.1	154.35	0.25	<2	45	45	<0.5
		- light green to dark-grey, hard, medium-grained, non-magnetic.	68	157.05	157.3	0.25	<2	5.5	29	<0.5
		- light green rock is sericitized and has abundant fractures infilled with sericite. These fractures are oriented 40° to CA.	69	159.9	160.15	0.25	<2	3.5	26	<0.5
		- dark grey rock is not altered.								
		- 60% lapilli - size feldspar grains throughout. These do not have a preferred orientation as								
		exhibit a well-defined fragmental bedding.								
		- 10% pink K-feldspar phenocrysts.								
		- 10-15% quartz-eyes. These are large (up to 0.5cm)								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-50

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
		sub-rounded, and clear.								
		- minor chlorite, occurring mainly along fracture surfaces.								
		- upper and lower contacts gradational.								
160.2	191.2	BIBIED FELSIC TUFF	00:2070	162.8	163.05	0.25	<2	26	41	<0.5
		- light to dark-grey, medium-grained, hard, locally weakly magnetic	71	165.8	166.05	0.25	6	73	50	<0.5
		- has alternating bands of lighter and darker material. This banding is probably an alteration phenomenon due to the saussaritization of feldspar	72	168.6	166.85	0.25	<2	15	70	<0.5
			73	171.6	171.85	0.25	5	32	94	0.5
			74	174.4	174.65	0.25	<2	19	95	0.5
			75	177.3	177.55	0.25	<2	23	110	<0.5
			76	180.4	180.65	0.25	<2	13	110	<0.5
			77	183.4	183.65	0.25	<2	27	54	<0.5
		- banding parallel to tuffaceous layering, at 60-65° to CA								
		- 15-20% feldspar grains. These are stretched and have a preferred orientation parallel to tuffaceous layering.								
		- 2-3% disseminated pyrite + pyrrhotite.								
		- <1% anhedral, pink garnet, occurring in localized areas, as at 161.5								
		- 5-10% small (1-3 mm), rounded, blue quartz-eyes								
		- partially sericitized								
		- minor carbonate alteration, especially along fractures								
		- minor chlorite + epidote, mainly along fractures.								
		- upper and lower contacts gradational								
		- 1% pink K-feldspar								
		- larger (up to 0.5 cm), clear quartz-eyes develop bumbels								
		- quartz-eyes disperse tuffaceous layering in places, as at 174.8.								
		- some felsic clasts noted, as at 181.3								
		183.3 - 189.4: all core lost (was logged at drill)								
		191.2 E.O.H.								



0 50 100 150 200

(METRES)

1 : 5,000

D.D.H. LOCATION MAP

D.D.H. DL-83-51

	DRAWN BY: DCR	DATE: JAN 84
	CHECKED BY:	DRAWING NO:
	N.T.S. 32 E 13	SCALE: 1:5,000
	Getty Canadian Metals, Ltd.	

Page 1

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

Property. DETOUR LAKE J.V.
Location. 144 Km. NE of Cochrane, Ont.

Grid. C-17
Latitude. 1.5+00N
Departure. 8+50W

Core Size. BQ
Elev. Collar.
Bearing. 090°
Dip. -50°
Length. 206.3m
Horiz. Trace. 131.5m
Vert. Trace. 157.5m

Starting Date. January 30, 1984
Completion Date. February 3, 1984

Date Logged. February 2-3, 1984
Logged by. D.C. RUDDERHAM
K. Sutherland

Dip Tests		
Depth	Angle	
	Read	Actual
Collar		-50°
12.2m	60°	-51°
91.4m	60°	-51°
206.3m	56°	-47°

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH.	ASSAY Pt(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
0	12.0	OVERBURDEN								
12.0	25.5	GARNETIFEROUS EPICLASTIC METASEDIMENTARY ROCK	D02108	14.9	15.15	0.25	<2	190	93	0.5
		- grey-green, fine to medium-grained, non-magnetic, medium hardness	2109	17.9	18.15	0.25	12	310	30	0.5
		- 15-20% garnet, with concentrations up to 40% in places, as at 16.0. The garnets are round to sub-rounded, pink, and range in size from <1mm to 0.5cm.	2110	20.8	21.05	0.25	10	140	28	0.5
			2111	23.8	24.05	0.25	<2	92	13	<0.5
		- the unit has alternating bands of brown material (phlogopite-biotite) and green material (chlorite). These bands are of varying widths and are irregularly spaced.								
		- banding is parallel to sedimentary layering								
		- sedimentary layering oriented 60-70° to CA.								
		- 3-4% finely disseminated pyrite and 1% finely disseminated pyrrhotite throughout.								
		- garnets tend to displace sedimentary layering in places, as at 24.5. This is noticable mainly where garnets are greater than 3-4mm in width.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)
		- there are some narrow, green, massive intervals with no garnet or chlorite/phlogopite banding, as at 18.2-18.7. These exhibit a poorly-defined tuffaceous layering oriented 60-70° to CA.								
		- <1% pink K-feldspar, occurring mainly along fracture surfaces.								
		- lower contact gradational.								
		- <1% epidote, concentrated in one or two places, as at 23.3								
25.5	27.5	FELDSPAR PORPHYRY DYKE	002112	26.8	27.05	0.25	<2	20	67	<0.5
		- dark-grey, hard, porphyritic, non-magnetic.								
		- contains 40% feldspar phenocrysts. These are subhedral to anhedral, white, and range in size from <1mm to 5cm.								
		- 3-4% finely disseminated pyrite, and <1% finely disseminated pyrrhotite throughout								
27.5	61.6	EPICLASTIC METASEDIMENTARY ROCK	002113	29.8	30.05	0.25	3	64	60	0.5
		- as at 12.0-12.5, except this unit has considerably less garnet	14	33.6	33.05	0.25	<2	35	71	<0.5
		- 10% round to sub-rounded pink garnet to 35.0. From 35.0 to the bottom of the unit garnet makes up only 2-3% of the rock.	15	35.8	36.05	0.25	<2	110	31	0.5
			16	38.6	38.85	0.25	<2	67	29	0.5
			17	41.5	41.75	0.25	7	300	40	1.0
			18	44.3	44.55	0.25	4	120	69	<0.5
		- gradational upper contact; sharp lower contact at 60-70° to CA.	19	47.2	47.45	0.25	2	88	44	0.5
			20	50.05	50.3	0.25	<2	45	35	0.5
		- <1% muscovite, occurring mainly along a few fracture surfaces, as at 30.1.	21	52.9	53.15	0.25	12	79	22	0.5
			22	55.95	56.2	0.25	70	110	29	0.5
		- minor carbonate alteration, mainly along fracture surfaces.	23	59.0	59.25	0.25	9	140	38	0.5
			24	61.2	61.7	0.5	6	59	77	0.5
		- the unit becomes more siliceous downhole.								
		- pyrrhotite concentration increases to 4-5% downhole.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
61.6	74.9	STRIPED FELSIC TUFF	D02125	61.7	62.2	0.5	3	23	90	<0.5
		- light to dark - grey, very hard, medium - grained, non - magnetic.	26	62.2	62.7	0.5	22	290	38	0.5
		- has alternating bands of lighter and darker colored material, giving it a "striped" appearance. This is probably an alteration phenomenon due to saussentization of feldspar and some degree of silicification.	27	62.7	63.2	0.5	12	170	46	0.5
			28	64.9	65.15	0.25	81	8	42	<0.5
			29	67.8	68.05	0.25	3	5.5	10	<0.5
			30	70.7	70.95	0.25	<2	4	220	<0.5
			31	73.7	73.95	0.25	<2	10	120	<0.5
		- alteration banding is parallel to tuffaceous layering.								
		- tuffaceous layering oriented 55°-65° to CA.								
		- contains 30% lapilli - size feldspar grains. These are stretched and have a preferred orientation parallel to tuffaceous layering.								
		- partially chloritized, especially along fracture surfaces								
		- partially sericitized, especially along fracture surfaces.								
		- <1% pink K-feldspar.								
		- 2% pyrrhotite + pyrite, disseminated throughout.								
		- upper and lower contacts sharp at 60°-70° to CA.								
		- 3-4% quartz-eyes. These are small (1-3mm), rounded, and clear.								
		61.7-62.4 ; feldspar crystal tuff with sharp upper contact at 60-70° to CA, and gradational lower contact. 40-50% sub-rounded feldspar crystals ranging in size from <1mm - 3mm.								
		61.6-61.7, 62.4-62.9 ; graphitic metasediment with 10-15% disseminated, stringer, and banded pyrrhotite, and 2-3% disseminated pyrite. This interval is a weak to fair conductor - faulted, gradational upper and lower contacts - 50-60% argillite, 20-30% graphite, and 15% sulfides.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Co(ppm)
74.9	75.9	CONDUCTIVE ZONE	002132	74.9	75.4	0.5	71	120	2900	1.5
		- a graphitic metasediment with 20% disseminated, stringer, banded, and semi-massive pyrrhotite, and 5-7% pyrite.	2133	75.4	75.9	0.5	48	270	770	1.5
		- this is a good to very good conductor.								
		- black, hard, very magnetic, fine-grained								
		- 40-45% argillite, 30-35% graphite, and 25% sulfides.								
		- soft sediment deformation throughout.								
		- upper contact sharp at 60-70° to CA; lower contact gradational.								
		- sedimentary layering oriented 70° to CA.								
75.9	78.1	STRIPED FELSIC TUFF	002134	76.7	76.95	0.25	<2	5.5	29	<0.5
		- as at 61.6-74.9								
		- 1% pink, anhedral garnet.								
		- gradational upper contact, sharp lower contact at 70° to CA.								
78.1	79.6	QUARTZ FELDSPAR PORPHYRY SILL	002135	78.7	79.2	0.5	190	100	34	3.5
		- dark grey, very hard, locally weakly magnetic, porphyritic	2136	79.2	79.7	0.5	2402	40	60	2.0
		- 50-60% feldspar phenocrysts. These are anhedral, white, and range in size from <1mm to 1cm.								
		- 5-10% quartz phenocrysts. These are sub-rounded, pale blue, and range in size from 1-3 mm.								
		- 20-30% fine-grained groundmass.								
		- upper contact sharp at 70° to CA.; lower contact sharp at 90° to CA.								
		- 2-3% pyrrhotite + pyrite disseminated throughout.								
		78.8-78.9: 30-40% semi-massive pyrite + 5% pyrrhotite								
		79.5-79.6: 15% semi-massive pyrite + 3% pyrrhotite + 5-10% [illegible]								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
79.6	90.4	MAGNETITE-BEARING CHERT	002137	79.7	80.2	0.5	66	39	13	0.5
		- light grey, very hard, fine-grained, magnetic.	38	80.2	80.7	0.5	41	17	9.5	<0.5
		- contains 60% grey-white chert with 20% magnetite occurring in thin bands (up to 1cm thick). These magnetite bands are irregularly spaced.	39	80.7	81.2	0.5	11	16	23	<0.5
			40	81.2	81.7	0.5	<2	8.5	47	<0.5
			41	81.7	82.2	0.5	31	8.5	71	1.5
			42	82.2	82.7	0.5	<2	8.5	45	0.5
			43	82.7	83.2	0.5	11	17	6.6	0.5
		- 10-12% pyrrhotite, (disseminated and banded). 4-5% pyrite, (disseminated and banded).	44	83.2	83.7	0.5	330	16	61	2.0
			45	83.7	84.2	0.5	5	22	65	0.5
		- chlorite-rich occurring mainly in thin stringers throughout.	46	84.2	84.7	0.5	12	41	46	0.5
			47	84.7	85.2	0.5	4	25	50	0.5
		- 3-4% of a dark green mineral which forms small, round, radiating clots. These are usually no more than 2-3mm in diameter and appear to radiate outward from the center. The mineral is probably either chlorite or stilpnomelane.	48	85.2	85.7	0.5	7	70	40	1.0
			49	85.7	86.2	0.5	8	44	11	0.5
			50	86.2	86.7	0.5	7	96	13	0.5
			51	86.7	87.2	0.5	11	76	11	1.0
			52	87.2	87.7	0.5	15	83	13	1.0
			53	87.7	88.2	0.5	2	25	11	<0.5
		- banding oriented 60° to C.A.	54	88.2	88.7	0.5	6	44	14	0.5
		- 1-2% pink, anhedral garnet. This is not evenly dispersed but rather occurs locally abundant, as at 87.5.	55	88.7	89.2	0.5	4	23	16	<0.5
			56	89.2	89.7	0.5	6	42	14	<0.5
			57	89.7	90.2	0.5	11	6.3	29	1.0
			58	90.2	90.7	0.5	3500	23	86	<0.5
		- some felsic clasts noted, as at 87.2								
		- soft sediment deformation in places, as at 87.2.								
		- there are locally abundant occurrences of a dark blastic mineral, (possibly tourmaline), as at 83.9.								
		- there are some narrow intervals near the top of the unit that are tuffaceous, as at 84.9-85.5.								
		- upper contact sharp at 90° to CA, lower contact gradational.								
		- chert is recrystallized.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
90.4	92.0	STRIPED FELSIC TUFF - as at 61.6 - 74.9 - upper and lower contacts gradational. - 2-3% pink, anhedral garnet.	D02159	91.25	91.5	0.25	6	7	28	<0.5
92.0	96.2	GARNETIFEROUS INTERMEDIATE TUFF - green, medium hardness, medium-grained, magnetic - 25-30% anhedral, pink garnet. these range in size from <1mm to 1cm and are elongate parallel to tuffaceous layering. - tuffaceous layering oriented 60-70° to CA. - upper contact gradational, lower contact sharp at 60° to CA. - 3-4% disseminated pyrite, 1% disseminated pyrrhotite - chlorite(c).	D02160	94.1	94.35	0.25	3	9	52	<0.5
96.2	98.6	STRIPED FELSIC TUFF - as at 61.6 - 74.9 - sharp upper contact at 60° to CA; sharp lower contact at 40-50° to CA. - 2-3% pink, anhedral garnet. 97.5-97.8: grained-up core.	D02161	97.0	97.25	0.25	<2	61	120	<0.5
98.6	100.2	FELDSPAR PORPHYRY DYKE - dark-grey, hard, non-magnetic, porphyritic. - contains 40% feldspar phenocrysts in a fine-grained groundmass. phenocrysts are rounded to sub-rounded, white, and range in size from <1mm to 0.5cm. - sharp upper contact at 40-50° to CA, sharp lower contact at 40° to CA. - 1-2% disseminated pyrrhotite + pyrite.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au(ppb)	Cu(ppm)	Zn(ppm)	Ag(ppm)
100.2	104.8	STRIPED FELSIC TUFF	D02162	100.2	100.45	0.25	<2	39	130	<0.5
		- as at 61.6-74.9	63	102.9	103.15	0.25	2	42	140	<0.5
		- sharp upper contact at 40° to CA, gradational lower contact.								
		- tuffaceous layering at 60-70° to CA.								
		100.3-101.6: completely sericitized. also contains 7-8% rounded, blue quartz-eyes ranging in size from <1mm to 3mm.								
		103.7-103.8: intermediate to mafic tuff with contacts concordant with tuffaceous layering at 60-70° to CA.								
104.8	123.2	FELSIC LAPILLI TUFF								
		- light gray, very hard, medium-grained, non-magnetic, massive.	D02164	105.7	105.95	0.25	<2	13	86	<0.5
		- this unit is very siliceous, probably of rhyodacitic to rhyolitic composition.	65	108.45	108.7	0.25	<2	11	45	<0.5
		- partially carbonatized, especially along fracture surfaces.	66	111.7	111.95	0.25	<2	33	40	<0.5
		- minor chlorite alteration, occurring mainly along fracture surfaces and as minute specks distributed throughout.	67	114.45	114.7	0.25	<2	8.5	10	<0.5
		- 20% lapilli-size feldspar grains. these are stretched and have a preferred orientation parallel to tuffaceous layering.	68	117.3	117.55	0.25	<2	13	46	<0.5
		- tuffaceous layering oriented 60-65° to CA.	69	121.05	121.3	0.25	<2	13	81	<0.5
		- 3-4% quartz-eyes. these are rounded, clear, and are 1-3mm in diameter.								
		- <1% disseminated pyrrhotite + pyrite.								
		- upper contact gradational, lower contact sharp at 60° to CA.								
		- <1% pink K-feldspar, occurring mainly along fracture surfaces.								

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
123.2	127.8	MONZONITE SILL	D02170	123.2	123.45	0.25	<2	22	68	<0.5
		- grey-green, hard, medium-grained, locally weakly magnetic.	71	126.15	126.4	0.25	<2	47	88	0.5
		- intermediate composition.								
		- comprised of roughly equal parts potassic feldspar and mafic minerals (including plagioclase, pyroxene, and amphibole)								
		- the unit is inhomogeneous, showing transitions from more mafic to more felsic zones within the unit.								
		- accessory magnetite locally								
		- 2-3% pyrite, occurring locally in veins or bands, as at 126.8. There is ~1% disseminated pyrrhotite.								
		- within the unit there are narrow intervals of intermediate and felsic tuff.								
		- upper contact sharp at 60° to CA, lower contact sharp at 80° to CA.								
		- chloritized.								
127.8	177.0	FELSIC LAPILLI TUFF / STRIPED FELSIC TUFF	D02172	129.1	129.35	0.25	5	14	12	<0.5
		- light grey, very hard, non-magnetic, medium-grained	21 73	132.25	132.5	0.25	<2	11	13	<0.5
		- interbedded felsic lapilli tuff and striped felsic tuff units. These are of the same composition except that the striped units are partially altered).	21 74	135.1	135.35	0.25	11	13	8.5	<0.5
			21 75	138.15	138.4	0.25	7	16	22	<0.5
			21 76	141.1	141.35	0.25	8	43	22	<0.5
			3177	144.15	144.4	0.25	<2	9	9	<0.5
			21 78	147.0	147.25	0.25	<2	7.5	6	<0.5
		- locally to rhyodacitic composition	21 79	150.1	150.35	0.25	<2	27	19	<0.5
		- 20-25% lapilli-size feldspar grains	21 80	153.0	153.25	0.25	<2	8.5	9.5	<0.5
		- tuffaceous layering oriented 60-65° to CA	21 81	156.3	156.55	0.25	<2	20	54	<0.5
		- chlorite-rich, occurring mainly along fracture surfaces.	21 82	159.0	159.25	0.25	<2	8	6	<0.5
			21 83	161.95	162.2	0.25	<2	12	8	<0.5
		- 5-10% pink K-feldspars throughout	21 84	164.9	165.15	0.25	<2	10	9.5	<0.5
			21 85	167.8	168.05	0.25	<2	7.5	7.5	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY Au (ppb)	ASSAY Cu (ppm)	ASSAY Zn (ppm)	ASSAY Ag (ppm)
		- 2-3% disseminated pyrite throughout	D02186	170.9	171.15	0.25	10	16	75	<0.5
		- sharp upper contact at 80° to CA, gradational lower contact.	D02187	172.75	173.0	0.25	<2	8	28	<0.5
		- partially carbonatized.	2188	176.7	176.95	0.25	<2	37	41	0.5
		- 1-2% quartz-eyes. These are small (1-3mm), round, and clear to light blue in color.								
		- concentration of quartz-eyes increases to 5-10% downhole.								
		- <<1% garnet, occuring in only one or two places, as at 149.1 and 163.7. These are euhedral, pink, and range in size from <1mm - 0.5cm.								
		- there are minute specks of metallic, soft mineral with no discernible crystal structure disseminated throughout. Positive identification is difficult because of the small size, but molybdenum or galena are possibilities.								
		- garnet concentration increases to 2-3% in the last few metres of the unit.....								
		175.2-175.4: feldspar porphyry dyke, with both contacts sharp at 30-40° to CA.								
177.0	206.3	SILICEOUS SILTSTONE	D02189	179.35	179.6	0.25	6	35	83	<0.5
		- grey-green, medium hardness, medium grained, non-magnetic	2190	182.3	182.55	0.25	<2	58	80	<0.5
		- excellent sedimentary layering oriented 60° to CA.	2191	185.15	185.4	0.25	<2	21	93	<0.5
		- 3% garnet throughout. These are pink, euhedral, and range in size from <1mm to 0.5cm. They're randomly distributed.	2192	188.3	188.55	0.25	<2	8	75	<0.5
		- sericitized	2193	191.1	191.35	0.25	<2	75	61	<0.5
		- chloritized, especially along fracture surfaces and bedding planes.	2194	193.6	193.85	0.25	<2	38	57	<0.5
			2195	194.2	194.45	0.25	<2	5	74	<0.5
			2196	197.15	197.4	0.25	<2	3.5	63	<0.5
			2197	200.2	200.45	0.25	<2	5.5	54	<0.5
			2198	203.05	203.3	0.25	4	16	73	<0.5
			2199	205.9	206.15	0.25	<2	21	63	<0.5

GETTY MINES, LIMITED

DRILL HOLE LOG

Hole Number DL-83-51

FROM	TO	DESCRIPTION	SAMPLE NUMBER	METRES FROM	METRES TO	CORE LGTH	ASSAY
		- partially carbonatized, mainly along fracture surfaces.					
		- upper contact gradational.					
		- 3-10% quartz - eyes. These are small (1-3 mm) and are clear to light blue in color.					
		- 1-2% finely disseminated pyrite + pyrrhotite throughout.					
		- quartz-eyes and garnets display sedimentary layering in places, as at 178.4.					
		- slight sedimentary deformation in places, as at 194.9					
		183.5-183.7 ; mafic dyke with sharp contacts at 75-80° to CA.					
		193.7-193.8 ; quartz vein.					
		206.3 E.O.H.					

Ministry of Natural Resources
Ontario

Report of Work

#F 125/

The Mining

32E13NE0045 35 LOWER DETOUR LAKE

900

Name and Address of Recorded Holder

GETTY CANADIAN METALS LIMITED

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

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.
10,910									
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 attach. List (B)							
☐ Land Survey		See attach. List (C)							

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)

W 8506 00125

Bradley Bros.
P.O. Box 2367
98 - 14th Street
Noranda, Quebec
J9X 5A9

RECORDED
APR 10 1985
Receipt No.

PORCUPINE MINING DIVISION
RECEIVED
APR 10 1985 P.M.
A.M. 7 8 9 10 11 12 1 2 3 4 5 6

All core stored at camp on Atkinson Lake.

Date of Report	Recorded Holder or Agent (Signature)
March 28, 1985	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

K. Sutherland c/o Getty Canadian Metals, Limited, 150 York Street, Suite 1200, Toronto, Ontario M5H 3S5

Date Certified	Certified by (Signature)
March 28, 1985	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	Signed core log showing: footage, diameter of		Work Sketch (as

ATTACHMENTS REQUIRED BY MINING RECORDER

FOR

DIAMOND DRILLING

Submitted By

Getty Canadian Metals, Limited

Drill logs and drill hole location maps are submitted for drill holes DL-82-05, DL-82-06, DL-82-07, DL-83-37, DL-83-37a, DL-83-38, DL-83-39, DL-83-40, DL-83-41, DL-83-42, DL-83-43, DL-83-44, DL-83-45, DL-83-46, DL-83-47, DL-83-48, DL-83-49, DL-83-50 and DL-83-51.

Total meterage for the holes is 3325.5 m (10,910 ft.) for total work days credit of 10,910 days. Only 10883 days are being claimed.

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

K.S. Sutherland
Geologist

March 1985
Toronto, Ontario

(A)

DETOUR LAKE
DRILL HOLE LOCATION TABLE
ATTACHMENT FOR REPORT OF WORK

CLAIM NO.	DRILL HOLE NO.	METREAGE
P 619077	DL-82-05	174.7
619063	DL-82-06	125.3
619154	DL-82-07	125.0
619073	DL-83-37	160.6
619073	DL-83-37a	44.8
619069/619068	DL-83-38	236.5
619161	DL-83-39	163.7
585921	DL-83-40	198.1
585936	DL-83-41	175.9
585911	DL-83-42	160.6
585966/585957	DL-83-43	197.2
586580	DL-84-44	203.3
586587	DL-83-45	182.0
585565	DL-83-46	198.1
585566	DL-83-47	203.0
585565	DL-83-48	188.1
585773	DL-83-49	191.1
585563	DL-83-50	191.2
585573	DL-83-51	206.3
		3,325.5
		or
		(10,910 ft)

(B)

DETOUR LAKE

60 DAYS DIAMOND DRILLING ASSESSMENT

P 585247	P 585834	P 585930
585248	585835	585935
585304	585836	585937
585557	585837	585944
585558	585840	585945
585559	585841	585946
585562	585842	585947
585571	585843	585948
585573	585845	585949
585577	585846	585950
585578	585848	585952
585579	585851	585953
585602	585852	585954
585603	585853	585955
585604	585854	585956
585605	585855	585957
585606	585856	585964
585607	585857	585965
585608	585858	585966
585609	585873	
585610	585884	
585611	585885	P 586508
585612	585899	586509
585613	585900	586510
585614	585901	586513
585615	585902	586514
585616	585903	586578
585617	585904	586579
585655	585905	586581
585656	585906	586587
585772	585907	586588
585773	585908	586589
585774	585909	
585780	585910	
585781	585911	
585785	585912	
585792	585913	
585797	585914	
585821	585915	
585822	585916	
585825	585917	
585826	585918	
585827	585920	
585828	585921	
585831	585922	
585832	585926	
585833		

123 claims

(B)

DETOUR LAKE

59 DAYS DIAMOND DRILLING ASSESSMENT

P 585938

51 DAYS DIAMOND DRILLING ASSESSMENT

P 585923

40 DAYS DIAMOND DRILLING ASSESSMENT

P 585575
585576
585829
585838
585839
585936

P 586580

32 DAYS DIAMOND DRILLING ASSESSMENT

P 585830

20 DAYS DIAMOND DRILLING ASSESSMENT

P 585924
585925

P 586515
586516
586517

(C)

DETOUR SOUTH

60 DAYS DIAMOND DRILLING ASSESSMENT

P 619058	P 619146
619059	619147
619060	619148
619061	619149
619062	619150
619063	619151
619064	619152
619065	619153
619067	619154
619068	619155
619069	619156
619070	619157
619071	619158
619072	619159
619073	619160
619074	619161
619075	619162
619076	619163
619077	619164
619141	633245
619142	633246
619143	633247
619144	633248
619145	

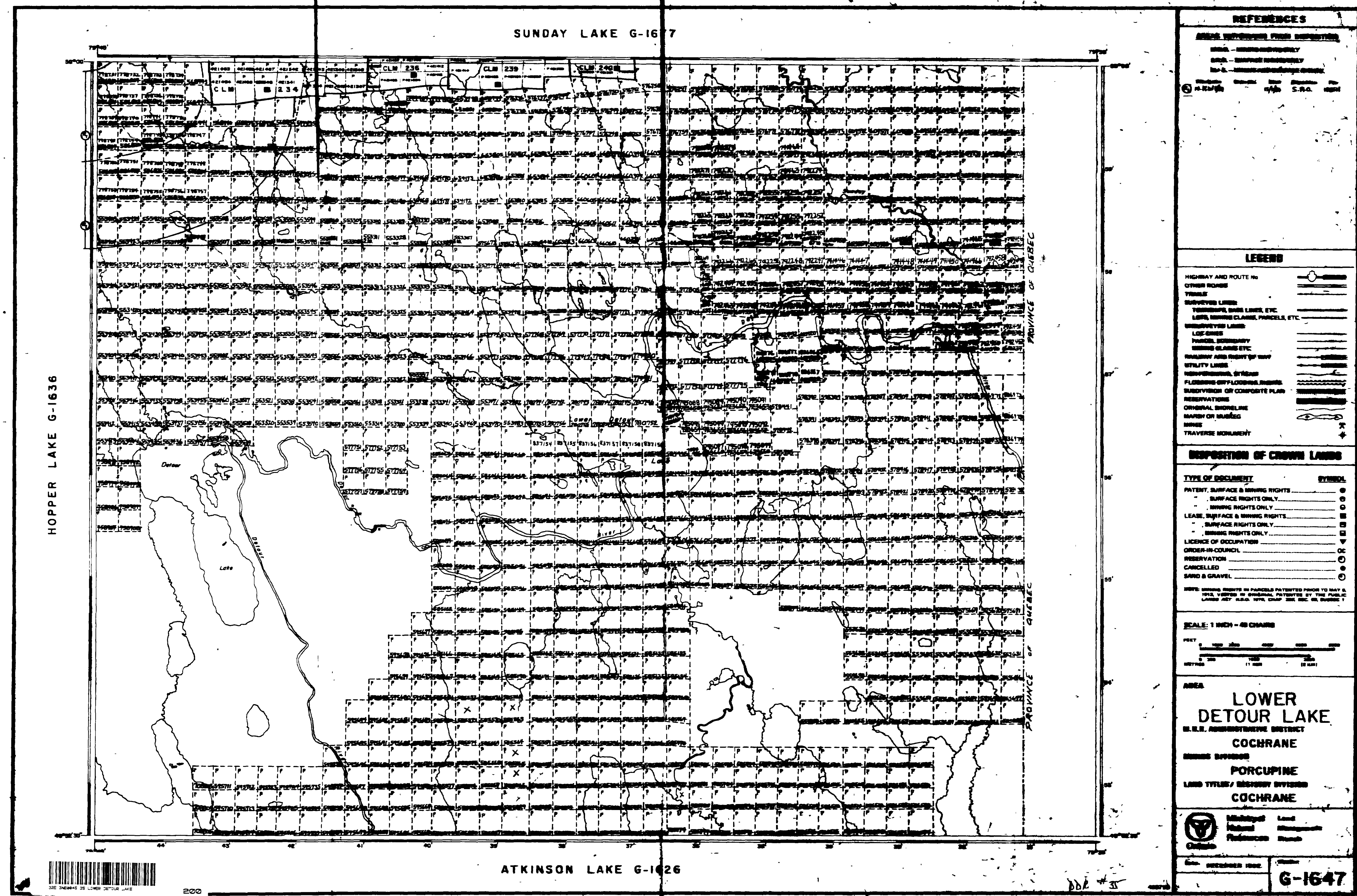
47 claims

61 DAYS DIAMOND DRILLING ASSESSMENT

P 633244

100 DAYS DIAMOND DRILLING ASSESSMENT

P 619066


SUNDAY LAKE G-1677
HOPPER LAKE G-1636
ATKINSON LAKE G-1626
PROVINCE OF QUEBEC
Detour Lake
Lower Detour Lake
REFERENCES
LEGEND
HIGHWAY AND ROUTE No
OTHER ROADS
TRAILS
SURVEYED LINES
TRAVERSE MONUMENT
DISPOSITION OF CROWN LANDS
TYPE OF DOCUMENT
SYMBOL
PATENT, SURFACE & MINING RIGHTS
SURFACE RIGHTS ONLY
MINING RIGHTS ONLY
LEASE, SURFACE & MINING RIGHTS
LICENCE OF OCCUPATION
ORDER-IN-COUNCIL
RESERVATION
CANCELLED
SAND & GRAVEL
SCALE: 1 INCH = 40 CHAINS
AREA
LOWER DETOUR LAKE
COCHRANE
PORCUPINE
COCHRANE
G-1647
TRIM LINE