

D R I L L L O G R E C O R D

TESTS

SHEET NO.: 1

PROPERTY NAME: <u>Lake Bond</u>	FOOTAGE <u>DIP</u>	AZIMUTH	FOOTAGE <u>DIP</u>	AZIMUTH	COMPANY: <u>MacRee</u>
HOLE NO: <u>LB-89-5</u> LENGTH: <u>217.93</u>	<u>45.72m</u> <u>47</u>				<u>Resources Inc.</u>
LOCATION: <u>L 52 N-20+50 W</u>	<u>106.68m</u> <u>47</u>				LOGGED BY: <u></u>
LATITUDE: <u></u> DEPARTURE: <u></u>	<u>217.93m</u> <u>46</u>				<u>S. Cormier</u>
ELEVATION: <u></u> AZIMUTH: <u>102</u> DIP: <u>50</u>					
STARTED: <u>02/05/89</u> FINISHED: <u>02/06/89</u>					

FROM (meters)	TO	DESCRIPTION	NO.	SAMPLE			ASSAYS			
				FROM	TO	TOTAL	Au ppb	Ag ppm	Cu ppm	Zn ppm
0	17.83	overburden								
17.83	23.06	medium to coarse grained mafic rock;	34745	17.83	19.20	1.37	15	10.2	23	32
		possible basalt flow (interior) or a	34746	19.20	20.62	1.42	15	10.2	20	30
		diabase; some slickensides are	34747	20.62	22.12	1.50	15	10.2	28	35
		present; as well as a brownish	34748	22.12	23.06	0.94	15	10.2	20	32
		crystal throughout the rock								
23.06	28.37	same as box #1; some evidence of	34749	23.06	24.46	1.40	7	10.2	26	32
		shearing in slickenside running	34750	24.46	25.96	1.50	5	10.2	29	36
		parallel to core axis; some minor	34751	25.96	27.18	1.22	15	10.2	26	37
		calcite veinlets	34752	27.18	28.68	1.50	15	10.2	22	29
28.37	33.63	same as above; increasing calcite	34753	32.16	33.66	1.50	15	10.2	30	35
		veinlets; seems to become finer								
		grained towards the end of the box								
33.63	35.97	basalt finer grained than earlier								
		core; also more calcite veinlets;								
		minor dessem. pyrite.; turns to mud								
		at 110' to 118'								
35.97	38.40	sediments; start off kind of coarse;								
		then becomes a bit firmer grained;								
		some minor calcite veinlets; not								
		mineralized								
38.40	39.12	basalt with some shear plains with								
		pyrrht. on one of them; also has								
		some calcite veining (upper contact								
		+ 65 degrees to core axis)								

D R I L L L O G R E C O R D

PROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/06/89 SHEET NO.: 2

FROM TO (meters)		DESCRIPTION	SAMPLE NO.	SAMPLE FROM TO TOTAL			ASSAYS Au Ag Cu Zn ppb ppm ppm ppm			
39.12	40.84	basalt with increasing amounts of calcite; no mineralization (lower contact = 15 percent to core axis)	34754	39.50	40.69	1.19	15	10.2	96	75
40.84	44.91	sediments; fine grained near contact, almost like an ash layer; then into a gwke with dessem. pyrite.	34755	40.69	42.06	1.37	15	10.2	41	47
44.91	50.55	sediments with dessem. pyrite;								
50.55	52.22	sediments with dessem. pyrite;								
52.22	54.10	mafic tuff with epidote & calcite veinlets; also some minor dessem. pyrite . (lower contact = 60 degrees to core axis)								
54.10	54.91	mafic flow with minor calcite veinlets; not mineralized;								
54.91	55.98	mafic tuff with epidote & calcite veinlets; minor dessem. pyrite.								
55.98	61.57	mainly mafic tuff with some minor flows interbedded; has abundant calcite veinlets, epidote associated with calcite veinlets, also has some calcite amygdules	34756	60.12	61.59	1.47	6	10.2	93	35
61.57	67.74	mafic tuff with interbedded mafic flows, calcite veinlets, minor pyrite, minor epidote veinlets with pyrite.								

D R I L L L O G R E C O R D
 PROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/06/89 SHEET NO.: 3

FROM (meters)	TO	DESCRIPTION	NO.	SAMPLE			ASSAYS			
				FROM	TO	TOTAL	Au ppb	Ag ppm	Cu ppm	Zn ppm
67.74	69.49	mafic tuff with interbedded mafic flows abundant calcite veinlets & amygduals, minor siliceous sections	34757	67.59	69.09	1.50	15	10.2	77	57
69.49	71.32	mafic volcanics, tuff & flows interbedded, sheared with siliceous sections, quartz veinlets & blebs, calcite veinlets 5 percent dissem. pyrrht., minor dissem. pyrite., pyrite on fractures	34758	69.09	70.49	1.40	15	10.2	62	61
			34759	70.49	71.32	0.83	15	10.2	230	85
71.32	72.85	mafic volcanic medium grained, with dissem. pyrite & pyrrht								
72.85	78.71	mafic volcanic flows medium grained (diabase texture) with minor calcite amygduals, dissem pyrrht & pyrite	34760	75.79	77.32	1.53	6	10.2	20	27
78.71	81.58	mafic volcanic flow medium grained becoming finer near lower contact, minor calcite amygduals, dissem pyrrht & pyrite (contact 5 percent to core)								
81.58	83.49	mafic volcanic flow with minor interbeds of mafic tuff siliceous sections, quartz blebs & veinlets, calcite veinlets pyrrht veinlets, dissem. pyrrht. * pyrite approx. 5 percent pyrrht	34761	81.08	82.22	1.14	16	10.2	18	42
			34762	82.22	83.49	1.27	10	10.2	9	28
83.49	89.10	mafic volcanic flow with interbedded mafic tuff mainly fine grained, few medium grained areas siliceous sections, quartz blebs & veinlets, minor calcite veinlets, pyrrht veinlets dissem. pyrrht & pyrite	34763	83.49	84.91	1.42	8	10.2	7	29
			34764	84.91	86.49	1.58	9	10.2	10	32
			34765	86.49	87.86	1.37	8	10.2	10	31

D R I L L L O G R E C O R D
 PROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/06/89 SHEET NO.: 4

FROM	TO	DESCRIPTION	NO.	SAMPLE			ASSAYS			
(meters)				FROM	TO	TOTAL	Au ppb	Ag ppm	Cu ppm	Zn ppm
=====										
		continued.. approximately 5 percent pyrrht	34766	87.86	89.31	1.45	15	10.2	20	34
89.10	94.97	mafic volcanic flow, fine grained with siliceous sections quartz blebs & veinlets, minor calcite veinlets, pyrrht veinlets, dessem. pyrrht & pyrite 3 percent pyrrht	34767 34768 34769 34770	89.31 90.53 92.02 93.45	90.53 92.02 93.45 94.95	1.22 1.49 1.43 1.50	6 15 5 15	10.2 10.2 10.2 10.2	16 7 11 7	38 39 39 38
94.97	99.39	mafic volcanic flow, fine grained with siliceous sections quartz blebs & veinlets, minor calcite veinlets, pyrrht veinlets dessem. pyrrht & pyrite	34771 34772 34773	94.95 96.29 97.82	96.29 97.82 99.06	1.34 1.53 1.24	15 11 15	10.2 10.2 10.2	6 8 11	37 38 41
99.39	100.76	mafic volcanic flow medium grained, calcite amygduals minor calcite veinlets minor dissem. pyrrht & pyrite								
100.76	105.46	mainly mafic volcanics with some local zones of quartz porphyry; quite a bit of dessem. pyrite & veinlet type pyrite; (lower contact 70 degrees to core axis)	34774 34775 LB-001-89	100.66 102.11 103.58	102.11 103.58 105.16	1.45 1.47 1.58	15 6 15	10.2 10.2 10.2	13 13 12	42 58 41
105.46	106.45	mafic flow medium grained (sort of like a gvke) with some dessem. pyrite								
106.45	111.91	mafic flow medium grained; some zones of quartz-eye porphyry; also has dessem. pyrite; 1 percent; also pyrite along fracture surfaces; minor calcite veinlets								

D R I L L L O G R E C O R D

 PROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/07/89 SHEET NO.: 5

FROM (meters)	TO	DESCRIPTION	SAMPLE NO.	SAMPLE			ASSAYS			
				FROM	TO	TOTAL	Au ppb	Ag ppm	Cu ppm	Zn ppm
111.91	113.03	sediments with some dessem. pyrite; & pyrite veinlets, contact is irregular								
113.03	116.33	mafic intrusive quite coarse grained near the middle of the section; has dessem. pyrite & plagioclase crystals								
116.33	117.17	crystals, mafic flow very dark, minor dessem. pyrite								
117.17	122.83	mafic flow, black with some dessem. pyrite								
122.83	126.44	mafic flow with dessem. pyrite & minor calcite veinlets (lower contact = 60 degrees to core axis)								
126.44	128.47	dark green relatively soft matrix with hard light green (quartz) blebs (that make up about 20 percent) with abundant dessem. pyrite & pyrite veins	48-002-89	127.10	128.47	1.37	15	10.2	12	37
128.47	134.01	same as above; with lesser amounts of light (quartz & epidote) green blobs; as you get to the end of the box; pyrite is conc. in veins and small zones; but is also dessem. throughout	48-003-89	128.47	129.74	1.27	15	10.2	11	41
			48-004-89	129.74	131.27	1.53	15	10.2	12	40
			48-005-89	131.27	132.59	1.32	15	10.2	11	37
			48-006-89	132.59	134.04	1.45	15	10.2	11	36
134.01	139.47	same as above with several 0.6 cm pyrite veins & at least one 1.3 cm vein of pyrite. Abundant pyrite dessem. throughout the section; also	48-007-89	134.04	135.38	1.34	15	10.2	14	38
			48-008-89	135.38	136.89	1.50	15	10.2	13	37
			48-009-89	136.89	138.07	1.18	15	10.2	14	35
			48-010-89	138.07	139.50	1.43	15	10.2	24	43

D R I L L L O G R E C O R D
 PROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/07/89 SHEET NO.: 6

FROM (meters)	TO	DESCRIPTION	SAMPLE				ASSAYS			
			NO.	FROM	TO	TOTAL	Au ppb	Ag ppm	Cu ppm	Zn ppm
=====										
		continued.. pyrite blobs; quite a bit of quartz-eye porphyry in this section								
139.47	144.78	continuation of rock unit; same as last three boxes; with quartz-eye porphyry; abundant dessem. pyrite throughout, with heavier conc. in certain areas; 5 cm mudstone section at 144.78 (mudstone contact = 60 degrees to core axis)	LB-011-89	139.50	140.77	1.27	<5	<0.2	11	36
			LB-012-89	140.77	142.34	1.57	<5	<0.2	15	37
			LB-013-89	142.34	143.56	1.22	<5	<0.2	12	37
			LB-014-89	143.56	144.78	1.22	<5	<0.2	13	44
144.78	150.27	cont. qtz-eye porphyry in mafic matrix with abundant dessem. pyrite; (10 percent) some zones have a little higher conc.; some minor calcite veinlets with pyrite are also present	LB-015-89	144.78	146.28	1.50	<5	<0.2	10	38
			LB-016-89	146.28	147.57	1.29	<5	<0.2	11	43
			LB-017-89	147.57	148.97	1.40	<5	<0.2	10	39
			LB-018-89	148.97	150.27	1.30	<5	<0.2	100	95
150.27	150.93	quartz-eye porphyry in mafic matrix with dessem. pyrite (5 percent); mafic is quite fine grained	LB-019-89	150.27	151.59	1.32	<5	<0.2	1600	100
150.93	151.33	mafic volcanic with about 20 percent dessem. pyrite; sheared a bit;								
151.33	153.57	mafic volcanics with quartz veinlets and calcite veinlets; dessem. pyrite (5 percent) & some pyrite veinlets; some local dessem. pyrite up to 20 percent over 18 cm; also some interbedded sediments with minor dessem. pyrite (lower contact = 65 percent to core axis)	LB-020-89	151.59	153.06	1.47	<5	<0.2	160	260
			LB-021-89	153.06	154.51	1.45	<5	<0.2	34	70

D R I L L L O G R E C O R D

PROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/08/89 SHEET NO.: 7

FROM (meters)	TO	DESCRIPTION	SAMPLE NO.	ASSAYS			Au ppb	Ag ppm	Cu ppm	Zn ppm
				FROM	TO	TOTAL				
153.57	154.71	mafic volcanics with abundant calcite veinlets & porphyry; especially in short sections (30 cm or less); also some minor quartz veinlets & stringers; not too much pyrite except for about a 25 cm section with 10 percent pyrite (lower contact = 60 percent to core axis)	LB-022-89	154.51	155.98	1.47	<5	10.2	94	980
154.71	155.93	mafic volcanics with increasing quartz content, also has calcite; pyrite dessem. throughout with about 10 percent average with 20 percent to 30 percent cover over a 8 cm section also some minor pyrrht & chalc								
155.93	161.80	mafic volcanics; with siliceous porphyry; intermitting conc. of dessem pyrite with about 15 percent pyrite; also has dessem. pyrite dessem. in small amounts throughout the core; also several veins of pyrite includes a 2 cm massive vein; also has quite a bit of calcite veinlets	LB-023-89	155.98	157.38	1.40	<5	<0.2	110	130
			LB-024-89	157.38	158.80	1.42	<5	<0.2	11	43
			LB-025-89	158.80	160.38	1.58	<5	<0.2	23	39
			LB-026-89	160.38	161.80	1.42	<5	<0.2	14	33
161.80	167.39	mafic volcanics with quartz porphyry; zones of pyrite conc. with pyrite veinlets & dessem. pyrite up to 20 percent over 30 cm in one spot; very little calcite present	LB-027-89	161.80	163.40	1.59	<5	<0.2	17	46
			LB-028-89	163.40	164.82	1.42	<5	<0.2	19	37
			LB-029-89	164.82	166.09	1.27	<5	<0.2	94	44
			LB-030-89	166.09	167.51	1.42	<5	<0.2	38	38

DRILL LOG RECORD

PROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/08/89 SHEET NO.: 8

FROM (meters)	TO	DESCRIPTION	SAMPLE NO.	SAMPLE			ASSAYS			
				FROM	TO	TOTAL	Au ppb	Ag ppm	Cu ppm	Zn ppm
167.39	172.87	mafic volcanics with some minor interbedded seds.; mostly quartz- porphyry; dessem. pyrite throughout; numerous pyrite veinlets some ore parallel to core axis, some ore perpendicular to core axis; some calcite veinlets are present also.	LB-031-89	167.51	168.86	1.35	<5	<0.2	210	41
			LB-032-89	168.86	170.38	1.52	<5	<0.2	23	36
			LB-033-89	170.38	171.78	1.40	<5	<0.2	44	39
			LB-034-89	171.78	173.20	1.42	<5	<0.2	29	39
172.87	174.73	gwke with minor dessem. pyrite; very competent not broken or intruded (lower contact = 55 percent to core axis)								
174.73	179.04	mafic volcanics with quartz porphyry; section has dessem. pyrite throughout with several zones of heavier conc. up to 20 percent over 30 cm in one spot; numerous pyrite veinlets & blobs, veinlets & blobs are assoc. with siliceous veinlets	LB-035-89	174.75	176.20	1.45	<5	<0.2	22	36
			LB-036-89	176.20	177.60	1.40	<5	<0.2	24	37
			LB-037-89	177.60	179.07	1.47	<5	<0.2	28	32
179.04	184.84	mafic volcanics with quartz porphyry & siliceous blobs & veins & veinlets throughout the section; abundant dessem. pyrite & pyrite veins mostly assoc. with the siliceous alteration; some of the veins are 1 cm to 2.5 cm thick; Pyrite averages between 5 and 10 percent with local conc. getting up to 20 percent over short distances	LB-038-89	179.07	180.47	1.40	<5	<0.2	27	38
			LB-039-89	180.47	181.94	1.47	<5	<0.2	29	42
			LB-040-89	181.94	183.41	1.47	<5	<0.2	78	46
			LB-041-89	183.41	184.84	1.43	<5	<0.2	23	47

D R I L L L O G R E C O R D
 PROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/08/89 SHEET NO.: 9

FROM (meters)	TO	DESCRIPTION	SAMPLE				ASSAYS			
			NO.	FROM	TO	TOTAL	Au ppb	Ag ppm	Cu ppm	Zn ppm
184.84	190.60	mafic volcanics with siliceous porphyry & siliceous blobs & veinlets; pyrite dessem throughout; not quite as plentiful as earlier boxes; less than 5 percent in most spots with local conc. of about 10 percent; also pyrite veinlets here and there; very little calcite	LB-042-89	184.84	186.28	1.44	<5	<0.2	22	30
			LB-043-89	186.28	187.76	1.48	<5	<0.2	10	40
			LB-044-89	187.76	189.20	1.44	<5	<0.2	19	43
			LB-045-89	189.20	190.60	1.40	<5	<0.2	10	45
190.60	196.11	mafic volcanic with siliceous porphyry & large siliceous blobs & veinlets Pyrite dessem.; in some spots it is more conc. than others; several 1/4" & 1/2" pyrite veins; dessem. pyrite does not exceed 10 percent; averages about 2 percent or 3 percent	LB-046-89	190.60	192.00	1.40	<5	<0.2	23	41
			LB-047-89	192.00	193.40	1.40	<5	<0.2	9	46
			LB-048-89	193.40	194.89	1.49	<5	<0.2	14	49
			LB-049-89	194.89	196.11	1.22	<5	<0.2	120	47
196.11	201.88	mafic volcanic with siliceous porphyry with siliceous blobs & veinlets; pyrite dessem. throughout; ranging from 5 percent to 15 percent; also some 0.6 cm pyrite veinlets; several calcite veinlets also	LB-050-89	196.11	197.61	1.50	<5	<0.2	18	46
			LB-051-89	197.61	198.98	1.37	<5	<0.2	15	49
			LB-052-89	198.98	200.41	1.43	<5	<0.2	16	41
			LB-053-89	200.41	201.93	1.52	<5	<0.2	58	43
201.88	207.47	mafic volcanic with siliceous porphyry & siliceous blobs & veinlets; dessem. pyrite & pyrite veins & blobs; localized conc. of pyrite	LB-054-89	201.93	203.30	1.37	<5	<0.2	24	44
			LB-055-89	203.30	204.75	1.45	<5	<0.2	17	38
			LB-056-89	204.75	205.77	1.02	<5	<0.2	11	29
			LB-057-89	205.77	207.44	1.67	<5	<0.2	10	32
207.47	213.13	mafic volcanic with mainly siliceous blobs & veinlets; pyrite dessem. throughout with more concentration near siliceous areas; also several pyrite veins								

D R I L L L O G R E C O R DPROPERTY: Lake Bond HOLE NO.: LB-89-5 DATE: 02/08/89 SHEET NO.: 10

FROM (meters)	TO	DESCRIPTION	SAMPLE			ASSAYS			
			NO.	FROM	TO	TOTAL	Au ppb	Ag ppm	Cu ppm

213.13	217.93	mafic vol. with siliceous blobs & minor porphyry; quite siliceous in some local spots; dessem. pyrite throughout, basically the same as the last 80 m								
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End of Hole