



Area: PATTERSON LAKE

Report No: 15

WORK PERFORMED FOR: Champion Bear Resources Ltd.

RECORDED HOLDER: SAME AS ABOVE [ X ]

: OTHER [ ]

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
1023506	CB001	226.0'	DEC/90	(1)
	CB002	426.0'	DEC/90	(1)
	CB003	192.0'	DEC/90	(1)
	CB004	196.0'	DEC/90	(1)
	CB005	196.0'	DEC/90	(1)
	CB006	236.0'	DEC/90	(1)
	CB007	256.0'	DEC/90	(1)
	CB008	230.0'	DEC/90	(1)
	CB009	186.0'	DEC/90	(1)
	CB010	206.0'	DEC/90	(1)
	CB011	266.0'	DEC/90	(1)
	CB012	256.0'	DEC/90	(1)
	CB013	256.0'	JAN/91	(1)
1023511	CB014	347.0'	JAN/91	(1)
	CB015	356.0'	JAN/91	(1)
1084932	CB016	356.0'	JAN/91	(1)
1085123	CB017	416.0'	JAN/91	(1)
1105593	CB018	380.0'	JAN/91	(1)
1085124	CB019	376.0'	JAN/91	(1)
	CB020	256.0'	JAN-FEB/91	(1)
1023511	CB021	510.0'	FEB/91	(1)
	CB022	613.0'	FEB/91	(1)
1023512	CB023A	566.0'	FEB/91	(1)
	CB024	536.0'	FEB/91	(1)

NOTES: (1) #W9110.076, FILED AUGUST/91

DIAMOND DRILLING

AREA: PATTERSON LAKE

REPORT NO: 15

WORK PERFORMED FOR: CHAMPION BEAR RESOURCES LTD.

RECORDED HOLDER: SAME AS ABOVE

: OTHER

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
1086141	CB025	556.0'	FEB/91	(1)
1086130	CB026	256.0'	FEB/91	(1)
1085087	CB101	246.0'	JAN/91	(1)
	CB102	416.0'	JAN/91	(1)
1085359	CB103	306.0'	JAN/91	(1)
1085087	CB104	346.0'	JAN/91	(1)
1085117	CB105	492.0'	JAN/91	(1)
1085087	CB106	246.6'	JAN-FEB/91	(1)
	CB107	226.0'	FEB/91	(1)
	CB108	316.0'	FEB/91	(1)
1085364	CB109	211.0'	FEB/91	(1)
1085130	CB110	246.0'	FEB/91	(1)
1085131	CB111	336.0'	FEB/91	(1)
1023511	CB112	706.0'	FEB/91	(1)
1023506	CB113	706.0'	FEB/91	(1)
	CB114	726.0'	FEB/91	(1)

NOTE: (1) #W9110.076, FILED AUGUST/91

SUMMARY OF DRILL HOLE LOCATIONS AT Champion Bear Res. Ltd.

Hole No.	EASTINGS (Metric)	NORTHINGS (Metric)	ELEVATION (Metric)	UNITS	INCLINATION	BEARING	FEET
CB001	700.00	-210.00	30.20	feet	-45.00	0.00	226
CB002	650.00	-200.00	26.80	feet	-45.00	0.00	426
CB003	600.00	-175.00	27.40	feet	-45.00	0.00	192
CB004	700.00	-140.00	25.30	feet	-45.00	0.00	196
CB005	550.00	-190.00	26.50	feet	-45.00	0.00	196
CB006	500.00	-200.00	26.20	feet	-45.00	0.00	236
CB007	500.00	-200.00	26.20	feet	-64.00	0.00	256
CB008	450.00	-190.00	26.00	feet	-45.00	0.00	230
CB009	750.00	-165.00	32.60	feet	-45.00	0.00	186
CB010	750.00	-210.00	29.30	feet	-45.00	0.00	206
CB011	800.00	-210.00	28.40	feet	-45.00	0.00	266
CB012	900.00	-160.00	22.60	feet	-45.00	180.00	256
CB013	850.00	-210.00	25.30	feet	-45.00	0.00	256
CB014	975.00	-125.00	18.00	feet	-45.00	180.00	347
CB015	1219.00	-167.00	3.30	feet	-45.00	180.00	356
CB016	2300.00	-130.00	0.00	feet	-45.00	180.00	356
CB017	7100.00	-320.00	0.00	feet	-45.00	0.00	416
CB018	7600.00	-163.00	0.00	feet	-45.00	180.00	380
CB019	6900.00	-25.00	0.00	feet	-45.00	180.00	376
CB020	6700.00	225.00	0.00	feet	-45.00	180.00	256
CB021	1025.00	-230.00	0.00	feet	-45.00	0.00	510
CB022	1100.00	-230.00	0.00	feet	-45.00	0.00	613
CB023A	1200.00	-75.00	0.00	feet	-45.00	180.00	566
CB024	1300.00	-75.00	0.00	feet	-45.00	180.00	536
CB025	900.00	105.00	0.00	feet	-45.00	0.00	556

SUMMARY OF DRILL HOLE LOCATIONS AT Champion Bear Res. Ltd.

Hole No.	EASTINGS (Metric)	NORTHINGS (Metric )	ELEVATION (Metric)	UNITS	INCLINATION	BEARING	FEET
CB026	1300.00	-35.00	0.00	feet	-45.00	0.00	256
CB101	5800.00	313.00	0.00	feet	-45.00	0.00	246
CB102	6000.00	380.00	0.00	feet	-45.00	0.00	416
CB103	5625.00	725.00	0.00	feet	-45.00	315.00	306
CB104	6100.00	535.00	0.00	feet	-45.00	315.00	346
CB105	5300.00	250.00	0.00	feet	-45.00	0.00	492
CB106	6200.00	500.00	0.00	feet	-45.00	315.00	246
CB107	6200.00	500.00	0.00	feet	-45.00	315.00	226
CB108	6140.00	525.00	0.00	feet	-45.00	180.00	316
CB109	7600.00	975.00	0.00	feet	-45.00	315.00	211
CB110	7625.00	875.00	0.00	feet	-45.00	315.00	246
CB111	7800.00	840.00	0.00	feet	-45.00	315.00	336
CB112	975.00	-60.00	15.90	feet	-45.00	180.00	706
CB113	800.00	-90.00	18.00	feet	-45.00	180.00	706
CB114	700.00	-90.00	19.80	feet	-45.00	180.00	726

GRAND TOTAL - 40 Holes

14,177 feet

CHAMPION BEAR RESOURCES LTD.

*Paterson*

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB001  
 Collar Eastings: 700.00  
 Collar Northings: -210.00  
 Collar Elevation: 30.20  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 226.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Dec. 2/90  
 Down-hole Survey: -

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Pc(S)	
0.0	7.0	(CASING)										
7.0	10.0	(AMPHIBOLITE) dark green to brownish green, fine grained, well foliated at 50 to C.A.; 60% plag. 25-30% amph. minor bio, few narrow irregular plag-qtz rich stringers; traces of diss. Py and Aspy	7.00	9.00	2.00	220	3770	345	863	340	2.30	2551
10.0	11.2	(QUARTZ-AMPHIBOLITE) 70% quartz, 25% amph., qtz- f.g., milky; amph. occurs as irregular stringers and patches; 25 fine diss. Aspy, coarse Aspy at 10.3; 3% scattered, diss. Py; traces of Sphal.	10.00	11.20	1.20	1065	9590	578	2700	1030	4.05	2552
11.2	17.5	(AMPHIBOLITE) similar to 7.0 to 10.0; 16.0 - 17.5 increase in biotite 15.0 - 17.5 med. talcose 16.5 - 17.5 30% sil'd, 5% irregular stringers Py and Sphal.	11.20	13.00	1.80	20	1080	185	81	71	1.61	2553
			13.00	16.00	3.00	10	967	120	60	23	1.96	2554
			16.00	17.50	1.50	229	4230	423	7900	83	6.90	2555
17.5	20.6	(PEGMATITE DIKE) mottled grayish to pinkish in sections, med. gr., med. foliated, 18.1 - 19.6 sil'd, irregular crystal aggregates and stringers Py and Po 18.9 -19.1 amph.-talcose contacts at 70 to C.A.	17.50	20.60	3.10	21	114	173	390	19	2.13	2556
20.6	22.5	(AMPH-BIO-PLAG SCHIST) brownish green, recrystallized and altered amph., increase in biotite and irregular narrow whitish silica rich bands towards pegmatite at lower contact, minor fine diss. Py, Po, Aspy and Sphal.	20.00	22.50	1.50	10	30	100	1640	20	5.10	2557
22.5	23.0	WHITE (PEGMATITE DIKE) massive, coarse grained, minor associated amphibolite	22.50	23.00	0.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
23.0	47.2	(AMPHIBOLITE) similar to 7.0 - 10.0	23.00	24.00	1.00	35	685	355	441	22	5.20	2558
			24.00	47.20	23.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

HOLE No: CB001

*L. Chastko*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB001

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	As(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)
		intermittent coarser grained biotite rich bands or sections; minor to moderate fine healed x-fractures, fractures generally pale green to whitish; overall traces of fine diss. Py, Po and Aspy										
47.2	47.7	(PRGNATITE DIRS) white to pale pinkish grey; med. to coarse grained										
47.7	58.0	(AMPH-BIO-PLAG SCHIST) settled whitish grey and brownish green, med. grained, well to crudely foliated at "50 to C.A.; 3-5% blobs and crystal aggregates sulfides, mainly Py lesser Po, Aspy and Sphal. 51.0 - 2 cm. irregular stringer Sphal.	47.20 49.00 50.50 51.50 53.00 54.00	49.00 50.50 51.50 53.00 54.00	1.00 1.50 1.00 2.10 2.00 2.00	20 33 44 31 45 64	500 344 450 570 704 1000	1030 200 533 246 243 323	1100 470 7400 1300 1010 801	47 54 60 50 59 70	5.33 4.73 5.38 5.45 5.65 5.03	2559 2560 2561 2562 2563 2564
58.0	67.5	(SIL'D AMPH-BIOTITE-PLAG-SCHIST-MINERALIZED) as above, sil'd, mineralized with 15 - 20% sulfides as irregular crystal aggregates and stringers; 25 Po, 5% Aspy, 5% Py. 58.0 - 58.6 - 5-10% coarse Aspy, 5-10% Po & Py 58.6 - 60.0 - 10% Po, 2% Py, crudely contorted irregular stringers 60.0 - 62.0 - 5% Aspy as coarse contorted crystal aggregates and stringers, 5% fine Po and Py 62.0 - 63.1 - ampb., 1-2% diss. Aspy, Po and Py 63.1 - 64.5 - ampb., 1-2% diss. Po, Py and traces Aspy 64.5 - 65.5 - highly sil'd, 5-10% Aspy, 10% Po, minor py as diss. and irregular crystal aggregates 65.5 - 67.5 - highly sil'd, 15-20% Po as irregular net stringers, 1% Aspy	58.00 59.00 60.00 62.00 63.10 64.50 66.00	60.00 60.00 62.00 63.10 64.50 67.50	1.00 1.00 1.00 0.00 1.00 1.00 1.00	300 10 520 120 16 371 57	25400 534 100000 11100 153 44400 2000	233 401 210 120 114 344 303	6700 400 2620 3140 141 3400 455	60 52 61 74 62 54 42	0.47 11.00 9.52 5.16 5.37 9.01 10.30	2565 2566 2567 2568 2569 2570 2571
67.5	76.7	(GARNET-AMPH-PLAG-QUARTZ-SCHIST) f. to med grained; crudely banded pinkish garnets in irregular concentrations in dark greenish ampb-plag matrix; overall 20-30% garnets, concentrated up to 60-70% in sections; 15-20% ampb; few narrow siliceous sections; 2-5% Po, minor Py; Po generally concentrated in heavy semi-massive to massive stringers; garnets generally less than 2-3 mm. diameter 72.0 - 76.0 - irregular micro folding; general foliation at 80-85 to C.A. 74.0 - 74.1 - massive Po stringer 75.4 - 75.5 - massive Po stringer	67.50 69.50 71.50 73.50 75.50	69.50 71.50 73.50 76.00	2.00 2.00 2.00 2.10	20 10 26 17	1070 199 37 43	203 106 301 191	141 127 55 65	104 33 21 15	6.55 5.32 7.21 6.63	2572 2573 2574 2575

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB001

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	DEPTH	ASSAYS						Sample
						As(ppb)	Ar(ppm)	Co(ppm)	Zn(ppm)	Pb(ppm)	Pc(%)	
76.7	100.2	(QUARTZ-GARNET-AMPH SCHIST) 5-10% Py minor Py, trace Aspy mottled pinkish and grey-green; crudely banded with alternating concentrations of garnet, amph and silica rich sections; sulfides occur as irregular heavy stringers semi massive to massive; foliation and crude banding at at 80 to C.A. 77.0 - 78.7 - 20-25% Po, minor Py 90.3 - 1 cu. massive Po 91.4 - 93.0 - 15-20% Po, minor Py gradational contact down section; decrease in quartz and garnets, increase in amph 100.0 - 100.3 - massive Po stringer	76.00	76.50	1.50	16	58	376	71	7	11.00	2576
			78.50	81.50	2.00	10	3	105	50	7	4.67	2577
			81.50	84.00	2.50	14	25	70	37	3	4.30	2578
			84.00	86.00	2.00	15	2	99	34	4	4.56	2579
			86.00	87.50	1.50	21	305	155	26	10	8.47	2580
			87.50	89.50	2.00	13	138	50	66	4	4.25	2581
			89.50	91.50	2.00	13	33	193	61	2	5.02	2582
			91.50	93.50	2.00	25	30	372	30	3	8.70	2583
			93.50	96.00	2.50	12	22	130	37	4	5.00	2584
			96.00	99.00	3.00	19	500	127	46	2	5.31	2585
99.00	99.50	0.50	12	50	140	40	1	11.30	2586			
100.2	117.4	(AMPHIBOLITE) dark green, fine grained, moderately banded and foliated at 55-60' to C.A.; minor siliceous stringers or bands; minor garnets near top of section; minor biotite; 2-5% Py and Po generally concentrated in bands and fine fracture fillings	99.50	100.50	1.00	10	100	84	55	2	4.12	2587
			100.50	100.00	0.50	17	270	100	47	2	4.10	2588
			100.00	100.00	0.00	11	100	145	31	2	3.20	2589
			100.00	112.00	12.00	12	300	161	27	1	3.77	2590
112.00	116.00	4.00	21	812	90	90	1	3.00	2591			
117.4	119.3	(AMPH. STRONGLY SIL'D) as above; 50% silica; 10-15% Py, 10% Po, massive Py sections vuggy	116.00	117.50	1.50	21	3020	200	230	33	4.01	2592
119.3	127.3	(AMPHIBOLITE) as 100.2 - 117.4; increase in biotite and sulfides; 5% sulfides; mainly Py, minor Po in irregular crystal aggregates and fracture fillings	117.50	119.50	2.00	23	366	1000	304	35	3.23	2593
			119.50	121.50	2.00	22	94	1100	305	50	9.30	2594
			121.50	123.50	2.00	11	87	133	301	6	4.53	2595
			123.50	126.00	2.50	8	1330	170	55	11	3.10	2596
126.00	127.30	1.30	16	312	470	250	14	4.91	2597			
127.3	128.0	(QUARTZ-AMPH-PLAG-SULFIDE FRACTURE) mottled greyish, 10% Po, 1-3% Aspy										
128.0	128.5	(AMPHIBOLITE) as before										
128.5	132.1	(STRONGLY SIL'D & MINERALIZED ZONE) 40-50% greyish silica, 10-20% amph., overall 10-20% Po, 2-4% Aspy, minor Py, trace Cpy 128.5 - 130.4 - sulfides occur as irregular globy stringers and fine div. form 130.0 - 132.1 - massive Po fracture filling;	127.30	128.00	0.70	87	2300	1620	127	14	7.02	2598
			128.00	130.50	2.50	537	39900	640	3530	27	8.29	2599
			130.50	132.10	1.60	1946	22600	1090	1310	24	19.50	2600

HOLE No: CB001

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: C8001

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	Ac(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Po(%)	
		50% Po, 50% anph., scattered large 1-2 cm diameter and several cm. long well formed amphibole crystals in Po, scattered large blobs of Aspy in Po, fine diss. Aspy in amphibolite										
		132.0 - 132.1 - whitish quartz stringer										
132.1	174.2	(AMPHIBOLITE-ALTERED-MINERALIZED)	132.10	134.00	2.50	1065	9810	435	200	30	5.31	2601
		anph. similar to before, generally more biotitic	134.00	136.00	1.40	31	1000	145	164	163	4.34	2602
		dark green anph and irregular "bands" of grayish silica	136.00	137.00	1.00	2099	100000	160	199	94	6.26	2603
		alternate, bands are irregular and disrupted, siliceous	137.00	139.00	2.00	112	2610	198	121	21	3.40	2604
		sections and intensity of disruption increases down	139.00	140.20	1.20	9	126	207	59	2	2.39	2605
		section giving rise to a brecciated appearance;	140.20	140.40	0.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		siliceous sections generally contain 5-15% PO, minor Aspy	140.40	142.50	2.10	NIL	50	49	119	4	3.35	2606
		and Py, trace of Sphal.; longer sections include:	142.50	145.00	2.50	177	52	1110	89	3	6.30	2607
		133.5 - 134.5 - 5% Po, 2-4% Aspy; fine diss. Aspy in	145.00	146.00	1.00	31	338	284	103	4	3.31	2608
		anph. on both sides of wall rock	146.00	149.00	3.00	19	32	47	96	5	2.75	2609
		136.4 - 136.8 - large massive glob or fragment of Aspy	149.00	151.70	2.70	0	118	67	61	5	1.40	2610
		along with coarse Py, fine diss. Aspy in wall rock anph.	151.70	152.30	0.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		140.5 - 140.7 - peganatite	152.30	154.70	2.40	19	100	140	47	2	1.90	2611
		142.5 - 145.5 - 5% Py, minor Po, trace Aspy	154.70	163.50	8.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		164.5 - 165.5 - 5-8% Po, minor Py, traces Aspy & Sphal.	163.50	165.50	2.00	48	69	142	28	6	1.66	2612
		168.5 - 169.5 - as above	165.50	168.50	3.00	326	386	145	49	6	3.13	2613
		169.6 - 174.5 - 50% siliceous and mineralized material	168.50	169.90	1.40	189	293	230	32	3	3.90	2614
		174.1 - x-fracture - 1 cm massive py at 25-30 to C.A.										
174.2	178.3	(AMPHIBOLITE-DIKE?)	169.90	174.50	4.60	61	321	319	66	7	3.94	2615
		similar to anph. above except its relatively massive	174.50	178.00	4.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		and unaltered										
178.4	208.3	(HIGHLY ALTERED & MINERALIZED ZONE)	178.00	180.50	1.70	35	70	277	124	21	3.34	2616
		50-60% med. grey, fine grained cherty silica; 15-20%	180.50	182.50	2.00	820	16200	801	338	79	9.66	2617
		amphibolite in crude bands; several sections are finely	182.50	184.50	2.00	673	51300	690	370	61	9.59	2618
		banded; other sections are intensely folded; general	184.50	188.00	1.50	4959	100000	342	346	476	6.90	2619
		foliation is at "60 to C.A.; overall - 15-20% sulfides,	186.00	188.30	2.30	1262	100000	324	1400	119	7.75	2620
		10% Po, 3-5% Aspy, minor Py in irregular stringers and	188.30	191.30	3.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		diss. form	191.30	193.00	2.00	150	1720	304	267	15	4.05	2621
		178.8 - 188.9 - hly sil'd, 5-10% Aspy	193.00	195.90	2.90	220	16000	600	150	16	7.95	2622
		180.9 - 191.3 - peganatite dike	195.90	196.50	0.60	182	3670	479	238	19	6.01	2623
		191.9 - 208.3 - highly folded, 5-10% Po, 1-2% Aspy	196.50	198.50	2.00	492	6400	722	537	22	7.47	2624
			198.50	200.40	1.90	231	2200	977	1010	27	6.01	2625
			200.40	202.50	2.10	183	230	723	130	20	6.42	2626
			202.50	204.00	1.50	287	2750	690	156	22	6.60	2627
			204.00	206.00	2.00	364	2970	324	158	20	4.80	2628
			206.00	208.30	2.30	70	1110	473	300	12	4.04	2629



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB001

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
208.3	213.9	(PRGMATITE DIKE) white to pinkish; coarse grained; fractured	208.30	213.90	5.60	576	771	144	211	31	3.30	2630
213.9	226.0	(ALTERED AMPHIBOLITE) as above; decrease in altered sections down section; overall 1-2% Pb, minor Py; 1-5% Po in all sections no Aspy noted										
		226.0 - B.O.H.										

300 E  
400 E  
500 E  
600 E  
700 E  
800 E  
900 E  
1000  
1100  
1200  
1300  
1400  
1500  
1600

1023505

023504

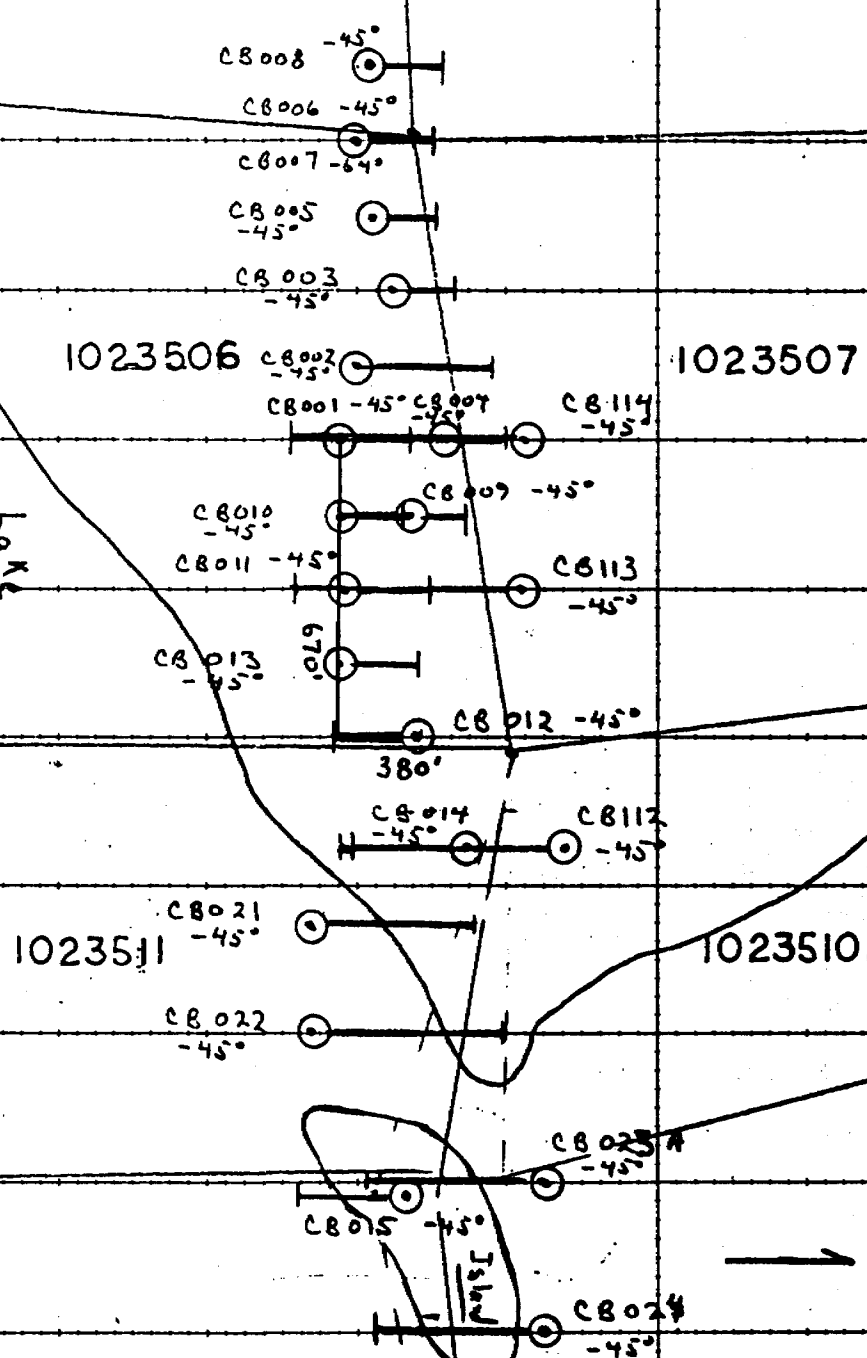
102350



SCALE 1 : 5 000

Lake

Island



Paterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB002  
 Collar Eastings: 650.00  
 Collar Northings: -200.00  
 Collar Elevation: 26.80  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 426.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Dec. 4/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(S)	
0.0	11.0	(CASING)										
11.0	11.5	(GRANITE) Pink, eg to pegmatitic, K-feldspar-qtz-bte, sharp lower ct.										
11.5	17.2	(AMPHIBOLITE-BANDED) Grey-black, well foliated at 60 to CA, minor an qtz banding, 25, mineralogy-amphibole-qtz-plag-ep-bte. 13.4-15.0 lg disc aspy, py, 25.	13.40	14.90	1.50	71	2850	190	212	75	2.53	2631
17.2	25.0	(GRANITE) White to pink, inhomogenous colour, fg margins, to eg, pegmatitic, increase in grain size away from margins, minor amphibolitic inclusions; xenoliths. 18.4-18.8 amphibolitic-xenolith 19.7-20.0 amphibolitic-xenolith										
25.0	28.0	(AMPHIBOLITE-BANDED) cf 11.5-17.2-previous unit. Traces of lg disc py.	14.90	20.00	13.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
28.0	28.2	(AMPHIBOLITE-ALTERED-WELY SILICIFIED) Pale grey, fg, similar to previous unit, increase silica Biotite 55, alteration halo on hanging wall of silicious horizon.										
28.2	28.4	(SILICIOUS-MINERALIZED) Sharp contacts, conformable to foliation, qtz 70%, ep 5%, disseminated f-ng sulfides Zn-py-assy -cu stringer. Total sulfides 15-20% sn 10%, py 5%, aspy 2%.										
28.4	29.3	(AMPHIBOLITE-ALTERED, SILICIFIED) Black, pale, fg, well foliated, silicified, 40-50%, increase in bte content to 10%, towards base of unit. Minor, 15, fg py qtz as stringers. Weak lite-dark banding.	28.00	28.50	0.50	87	2100	190	2650	79	3.21	2632
			28.50	29.00	1.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	2633
29.3	30.7	(SILICIOUS-MINERALIZED) Slight irregular contacts. qtz 30%, ep, bte to 20%, sulfides 50%. Weak bte banding, 2-1cm. Disseminated + clusters f-ng aspy 30%, py 10%, sn 10%. Sulfides orientation weakly conf. to foliation.										

HOLE No: CB002

*h. J. Clarke*

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample	
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)		
30.7	42.2	(AMPHIBOLITE-ALTERED-WEELY SILICIFIED) Pale grey, minor fine qtz banding, well foliated at 80-85 to CA. Fg amphibole+qtz+plag+ep+btz .qtz20%, biotitic in sections. Fg diss py+aspy 1-2%, esp. near top of unit. 30.7-32.5 fg diss py+aspy 1-2% 41.0-42.2 fg diss py+aspy (1%, ep-py laminations 2%.	29.00	30.00	1.10	622	45000	506	10000	336	7.66	2634	
			30.00	32.50	1.60	1121	4350	666	336	2160	2.89	2635	
			32.50	41.00	0.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			41.00	42.20	1.20	35	968	232	509	71	3.59	2636	
42.2	43.1	(AMPHIBOLITE-ALTERED-GARNETIFEROUS) Silicified, similar to previous unit, with addition of f-cg pink garnets 40%, garnets weakly banded in 1-2cm sections. NVS.	42.20	43.10	0.90	45	1340	142	83	391	3.84	2637	
43.1	43.4	(SILICIOUS, MINERALIZED) 80%qtz+sulfides, 20%amphibole+qtz, banded, sulfides total 10%, weakly segregated into cm bands, f-cg aspy 30%-diss+1cm stringers, fg 2m 15%, diss+2-1cm stringers. fg py 15%, diss+ within sss-aspy stringers.											
43.4	46.8	(AMPHIBOLITE) Black, speckled, vfg, weakly foliated at 60 to CA. Amphibole+qtz uniform texture, NVS. 46.5-46.8 btz 20%, fg, contact margin with gran. pegmatite.	43.10	43.60	0.50	754	40000	125	8240	230	6.90	2638	
46.8	48.0	(GRANITE) Pink, cg to pegmatitic, 1-feldspar+qtz+amphibole+btz, slight irregular contacts, NVS.											
48.0	58.4	(AMPHIBOLITE-BANDED) black, white speckled, vfg, 1-2% fine, an qtz conformable bands Amphibole+qtz mineralogy, fg diss py 1-2%, traces fg aspy. 53.1-53.3 silicified section, aspy 6%, py 10%, conformable, fg sulfides. 56.0-58.4 py+aspy fg disseminated.	43.00	53.00	9.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			53.00	53.50	0.50	32	5080	309	564	51	3.73	2639	
			53.50	56.00	2.50	32	1250	133	94	29	1.69	2748	
			56.00	57.00	1.00	30	4900	146	374	70	2.64	2640	
58.4	67.6	(AMPHIBOLITE-ALTERED, SILICIFIED, GARNETIFEROUS) Black, white speckled, vfg, foliated at 80 to CA., silicified+ f-cg garnetiferous sections, 3-5', py 2%, fg diss+1-2cm stringers near silic+garnetiferous sections. Tr. f-cg Aspy. Minor epidote rich(1-2cm) sections, +diss py. 60.5-62.0 diss py 2%, py along x-frax, trace aspy. 61.0-61.6 py 10%, btz 5%, silic. section 66.1 - trace aspy	57.00	58.00	1.00	50	2760	158	517	35	3.91	2749	
			58.00	59.30	0.50	30	1020	163	104	44	4.91	2641	
			59.30	63.00	3.70	31	65	179	190	23	4.00	2750	
			63.00	63.60	0.60	37	197	321	180	26	9.68	2642	
			63.60	65.20	1.60	45	36	166	197	14	4.50	2751	
			65.20	67.60	2.40	NIL	38	36	89	2	4.87	2643	

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	Ag(ppb)	Co(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
67.6	110.5	(AMPHIBOLITE-WEAKLY ALTERED, GARNETIFEROUS) Black, vfg, amphibole+qts, minor ep+bt+plag, well foliated at 60 to CA., minor ss qtz banding. 5% garnetiferous sections. (1.1-0.5'), f-cg, sections to 15X, bte+epidote. fg py2X, traces aspy, in garnetiferous sections, disseminated in x-fract. 117.1-119.9 diss py2X, trace aspy.	67.60	82.00	15.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			82.00	83.20	0.40	40	971	153	55	7	3.39	2753
			83.20	97.00	14.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			97.00	98.30	0.70	10	95	273	113	2	0.55	2644
			98.30	100.00	1.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			100.00	102.50	2.50	29	94	177	113	3	4.71	2754
			102.50	107.00	5.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			107.00	108.00	1.00	16	149	27	55	6	2.87	2755
			108.00	114.50	6.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			114.50	115.00	0.50	15	454	270	50	4	4.53	2645
			115.00	117.10	2.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
117.10	119.00	2.80	15	903	270	115	1	6.01	2646			
120.5	124.2	(AMPHIBOLITE-ALTERED-ZEBRA ROCK) Weakly developed zebra texture-irregular developed lite-qtz-plag patches, angular, ca-3cm, 10%, dark patches ep-qtz hbl, weak banding.										
124.2	134.7	(GRANITE) Sharp contacts, fg margins, pegmatitic core, pink, bte, NWS.	119.00	124.50	4.60	12	303	140	49	4	2.35	2756
134.7	152.6	(AMPHIBOLITE-BANDED, WEAK ZEBRA ROCK) Black to grey/green speckled, fg amph-qtz, minor epidote bands, py1-2X. Well foliated at 45 to CA. Minor ss qtz bands, 1-2X, traces aspy. 134.7-135.4 Weakly developed zebra texture; qtz-ep+py patches, amphibole+qtz patches, 2mm to 2cm, lite/dark patches angular, conformable orientation. Contact margin with gran. 136.1 trace aspy 134.6-147.0 py2X, aspy1X, fg coatings along fol'n planes, weakly (20X) silicified, biotite. 143.0-148.3 weak developed zebra rock 152.5-152.6 biotite, weakly speckled, ct. margin-granitic.	124.50	130.00	11.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
130.00	130.50	0.50	10	209	192	42	3	2.00	2647			
130.50	139.50	3.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.			
139.50	142.00	2.50	0	40	243	60	4	4.12	2648			
142.00	142.50	0.50	60	2100	110	360	3	6.19	2649			
142.50	144.00	1.50	26	1220	218	330	3	4.56	2650			
144.00	147.00	3.00	27	627	211	400	3	3.19	2651			
147.00	150.20	3.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.			
150.20	152.60	2.40	6	52	130	61	13	2.57	2758			
152.6	155.6	(GRANITE) Similar to previous unit.										
155.6	169.3	(AMPHIBOLITE-ALTERED-ZEBRA ROCK) Zebra rock-patches-striped-qtz-ep/hbl-qtz, qtz-ep patches by dissecn clots, ss. Colour green/white, black speckled. Intensity of alteration, biotite content increase to centre of unit, bte to 2X. Well foliated, stripe-patches elongated at 55-60 to CA.	152.00	156.00	4.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
156.00	161.00	4.00	6	11	151	26	8	2.37	2757			
161.00	166.00	4.20	10	27	166	26	7	2.64	2762			
166.00	171.00	4.00	13	120	100	52	8	2.80	2763			
171.00	175.00	4.00	6	19	173	45	11	2.72	2764			
175.00	180.00	4.70	12	72	170	26	13	2.24	2765			

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PROPERTY: Champion Bear Res. Ltd.  
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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample	
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Po(%)		
189.3	192.4	(AMPHIBOLITE-ALTERED-WEKY-SILICIFIED) Black,fg,weak white speckled(qtz),well foliated,minor an qtz bands,silicified,20%,bte2%,traces fg diss py.	189.50	191.00	10.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	2652
			191.00	192.40	1.40	11	1820	177	79	8	2.49		
192.4	192.7	(SILICIOUS,MINERALIZED) Weakly crumulated,qtz60%-hbl-bte-ep schist,conformable to fol'n,1cm fg py-assy clots-stringer,py20%,assy10%.											
192.7	193.5	(AMPHIBOLITE-ALTERED-ZEBRA ROCK) Zebra rock,as above,increased ep content,to 10%. py,assy fg diss,1-2%.	192.40	193.00	0.60	374	23300	356	392	1	6.36	2653	
			193.00	193.50	0.50	154	3080	610	1230	2	3.95	2654	
193.5	194.1	(SILICIOUS,MINERALIZED) Weakly crumulated qtz/qtz+bte,hbl banded schist.f-cg py 20%,f-cg assy 20%.											
194.1	199.9	(AMPHIBOLITE-ALTERED-BANDED) Weak zebra banding,well foliated at 45toCA.,pale green/ black an to cn bands 20%,Diss py+po+conformable stringers an size,2%.Inhomogeneous distribution of banding. 199.8-199.9 diss py+stringers,1-2mm,2%-near granitic ct.	193.50	194.50	1.00	511	37600	487	266	2	7.77	2655	
			194.50	196.00	1.50	22	57	754	87	2	5.73	2759	
			196.00	196.20	0.20	19	362	255	47	4	2.92	2761	
			196.20	199.30	3.10	21	856	281	30	7	2.83	2760	
199.9	222.2	(GRANITE) Similar to previous:f-cg,pink,an feldspar margins,coarse/ fg sections random dist'n.MVS.	199.30	200.00	0.70	20	22	192	102	1	4.20	2766	
			200.00	222.20	22.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
222.2	222.8	(SILICIOUS,MINERALIZED) Qtz50%/qtz+sulfide/hbl-qtz bands to .5cm,Sulfides40%, 25%fg assy granular clusters,15% fg py.											
222.8	244.1	(AMPHIBOLITE-ALTERED-SILICIFIED) Black,fg,white speckled,well foliated at 45toCA.-top, change to 35toCA.-base of unit.Qtz/qtz+hbl bands,minor an to cn qtz banding,2-5%,fg biotite 2%,irreg.dist'n.,ep1-2%, diss po+py2-5%,.5cm stringers.	222.30	222.70	0.40	606	30900	776	378	2	10.20	2656	
			222.70	227.00	4.30	217	548	239	26	11	3.06	2767	
			227.00	228.40	1.40	142	884	389	22	7	2.24	2768	
			228.40	228.90	0.50	92	121	262	18	5	2.37	2769	
			228.90	228.00	1.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			228.00	229.00	1.00	277	4810	274	87	1	4.67	2657	
			229.00	242.00	13.00	282	350	223	48	3	3.57	2658	
244.1	267.0	(GRANITE) Similar to previous pegmatite.	242.00	267.00	25.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
267.0	268.1	(AMPHIBOLITE-ALTERED WEAK SILICIFIED) Weakly silicified,diss py1-2%	267.00	268.10	1.10	159	1990	804	107	14	4.40	2659	

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						As(ppb)	Ac(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
268.1	268.5	(SILICIOUS, MINERALIZED) Qtz50%, aspy20%, cg aspy 3cm clast, ofg hbl-qtz inclusions- 15%. Dias fg aspy+stringers, 1-3cm. fg pyro 1-3cm stringer.										
268.5	369.8	(AMPHIB.-ALTERED-ZEBRA ROCK+WEIL SIL'D) SECTIONS Pale green/black-white speckled, patches+stripes, foliated at 55 to CA. Stripes/irregular patches on to cm scale. Qtz-aspy(lite), qtz-hbl(dark). Dias pyro+an stringers, 25. Irregular dist'n through suit. Greatest concentration sulfide in lite patches-bands. Traces fg aspy, clots in weakly silicified sections-3-5'. Intensity of alteration- zebra striping increases to 290.7, near silica rich section. Abrupt decrease in alt'n below 290.7'. 277.8-281.8 silicified-amphibolite, py+po3%, aspy trace. 281.8 - po-3cm conformable stringer. 281.8-285.8 weakly silicified 288.7-294.8 weak zebra texture. 294.8-297.8 strong zebra texture, silicified, bte5%. .1' qtz+sulfide+bte, dias po+py15%, aspy5%. 297.8-311.8 weak zebra texture, increase intensity to 311.8' 311.8-324.8 Strong zebra texture, aspy1-25, po+py25%. 324.8-348.8 Silicious, weak mineralized, f-cg aspy 3cm stringer, aspy25% over 1cm. 348.8-366.8 Silicious, mineralized section, bte2%, f-cg aspy 3cm stringer+po+py15% 366.8 - .1' po3%, cpy5%, aspy20%-qtz-hbl-clast?	268.10	268.60	0.50	398	100000	246	65	7	12.50	2660
			268.60	271.00	2.40	41	1110	339	28	3	4.29	2770
			271.00	274.30	3.30	36	378	266	22	8	2.89	2771
			274.30	277.00	2.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			277.00	280.70	3.70	55	3780	280	33	7	4.72	2661
			280.70	281.20	0.50	113	2500	386	49	1	9.85	2682
			281.20	285.70	4.50	116	2460	396	42	11	5.51	2683
			285.70	290.10	4.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			290.10	290.70	0.60	17	624	115	26	5	2.57	2664
			290.70	294.30	3.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			294.30	297.80	3.50	140	4910	324	49	8	5.09	2665
			297.80	301.40	3.60	29	318	178	93	8	2.43	2772
			301.40	303.20	1.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			303.20	306.00	2.80	36	537	97	13	9	0.31	2773
			306.00	311.00	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			311.00	312.40	1.40	77	790	179	42	2	2.32	2686
			312.40	318.00	5.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			318.00	320.00	2.00	37	3670	66	22	1	0.17	2687
			320.00	323.00	3.00	164	4710	131	36	2	5.17	2688
			323.00	324.10	1.10	35	4040	136	45	1	5.89	2689
			324.10	326.10	2.00	25	4050	52	18	2	4.87	2670
			326.10	331.40	5.30	23	4200	78	15	9	5.24	2671
			331.40	332.60	1.20	28	2620	260	13	1	4.51	2672
			332.60	335.00	2.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			335.00	336.00	1.00	38	2080	142	31	4	2.12	2673
			336.00	337.30	1.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			337.30	340.30	3.00	27	846	140	55	1	2.84	2674
			340.30	344.00	3.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			344.00	345.50	1.50	30	1160	224	50	1	3.00	2675
			345.50	346.50	1.00	100	16800	623	31	2	8.11	2676
			346.50	350.10	3.60	29	560	184	38	2	2.26	2677
			350.10	351.00	0.90	8	814	56	21	6	1.25	2678
			351.00	353.00	2.00	18	1040	79	21	5	1.37	2679
			353.00	356.00	3.00	22	1290	181	40	1	3.26	2680
			356.00	361.00	5.00	21	490	297	36	2	4.72	2681
			361.00	363.10	2.10	89	809	1670	27	2	5.24	2682
			363.10	366.70	3.60	176	4190	1180	31	1	9.51	2683
			366.70	369.80	3.10	44	1770	357	32	3	3.67	2684
369.8	372.5	(AMPHIBOLITE-ALT'D-SILICIOUS, MINERALIZED) SECTIONS	369.80	371.50	1.70	754	7620	730	58	31	6.96	2685

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		6-102 cu qtz-assy-po mineralized sections. Colour black,fg,hbl-qtz schist with qtz/qtz+epidote m bands,10%.(green-white bands).Well foliated at 65 toCA. Fg disc po 5%,irregular m stringers+granular clusters. 369.8-369.9 silic,assy15% 371.0-371.5 po+assy irregular stringer 371.5 - 372 cu assy-po-qtz mineralized section 372.5 - 372 cu qtz-assy-po stringers.	372.50	372.50	1.00	552	25000	404	26	70	6.74	2686
381.9	392.1	(GRANITE) Similar to previous,f-ng,sg to pegmatitic section 391.4-392.1.	372.50	376.00	3.50	59	984	333	30	16	3.00	2687
			376.00	381.90	5.90	136	200	407	30	6	4.30	2688
			381.90	392.10	10.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
392.1	395.2	(AMPHIBOLITE-ALTERED-SILICIFIED) Grey-black,vfg,massive texture,minor qtz+po+py bands,mn,sk	392.10	395.20	3.10	332	16	500	74	5	5.32	2689
395.2	395.9	(GRANITE) Similar to previous granitic unit.										
395.9	397.7	(SILICIOUS,MINERALIZED) qtz70%,sulfides30%;po+py60%,assy40%,biotite2%,sulfides as f-cg blebs,dissociated grains,conformable m stringers. 397.4-397.7 assy-3-5m stringers,fg disseminated xls.	395.20	396.00	0.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
397.7	398.4	(AMPHIBOLITE-ALTERED-SILICIFIED) Similar to previous unit,inc.qtz(30%),dissep5%,assy2%.	396.00	397.00	1.00	604	6190	325	41	4	4.99	2690
			397.00	398.40	0.80	132	2910	420	131	3	6.46	2691
398.4	400.3	(SILICIOUS,MINERALIZED) 2-.5' qtz+hbl+bte2% sections with qtz-hbl/qtz banded sections.py20%,po5%,assy5%,sulfide concentrated in qtz sections.										
400.3	401.4	(AMPHIBOLITE-ALTERED-SILICIFIED) Similar to previous unit,greater qtz bands,20%,mn to cu. disc py5%,assy1-2%,fg bte5%.	398.40	400.40	2.00	1184	3070	607	81	2	6.70	2692
			400.40	401.00	1.20	331	1090	584	42	NIL	5.50	2693
401.4	403.6	(AMPHIBOLITE-ALTERED-WEAKLY SILICIFIED) Black,fg,uniform texture-hbl-qtz schist,minor bte along foliation planes.biotite 2-5% 403.4-403.6 biotite increase to 15%.	401.00	403.00	2.00	330	420	107	116	6	3.00	2694
403.6	407.8	(SILICIOUS,MINERALIZED) Quartz 70%,sulfides20%;py60%,assy30%;fg dissep+conformable m stringers.hbl+bte 10%,minor epidote rich bands;mn to	403.00	407.00	4.20	3752	3000	597	44	3	5.52	2695



CHAMPION BEAR RESOURCES LTD.

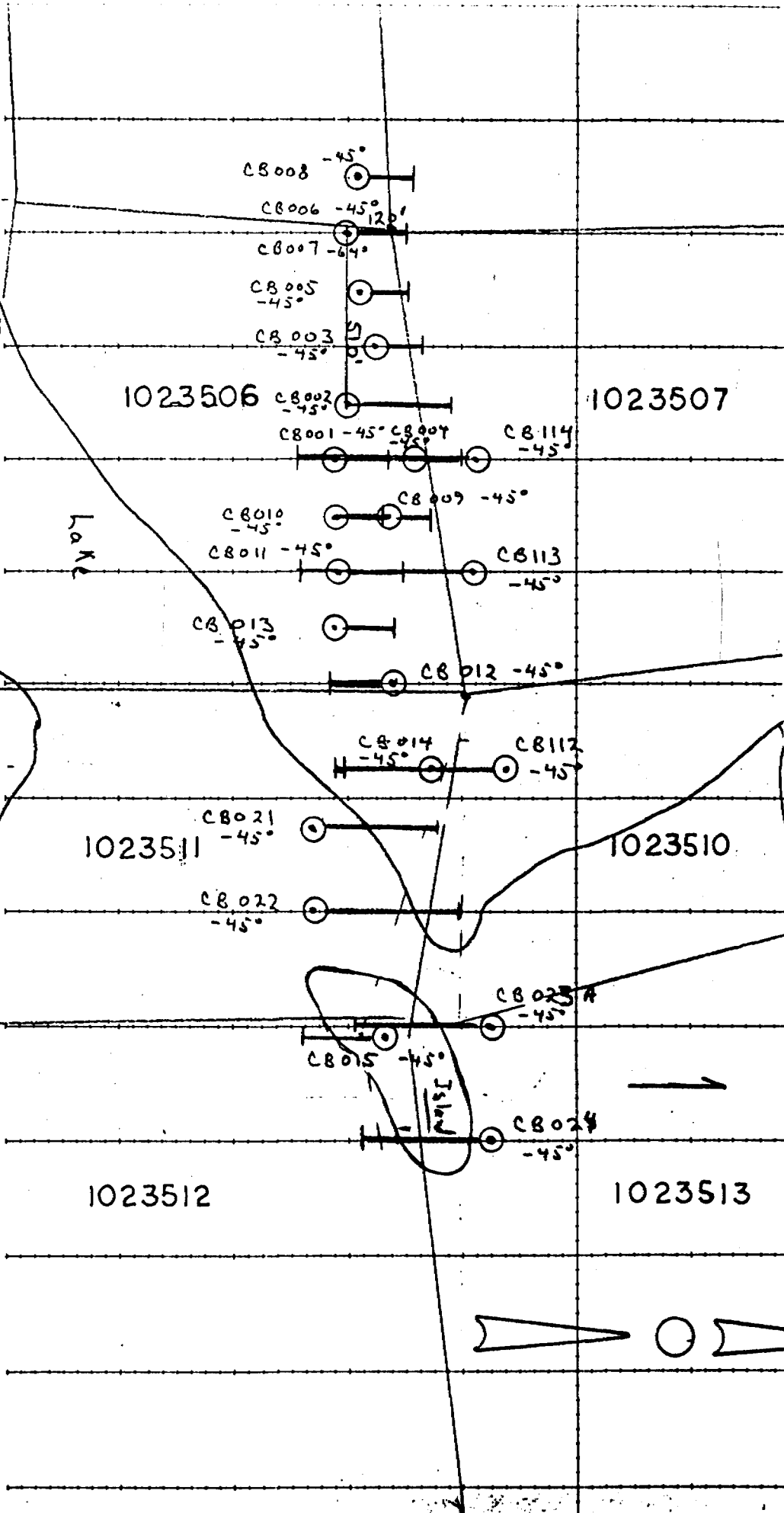
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB002

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	Ag(ppb)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		cm size, 1-2% weakly banded, foliated at 65 to CA. Sulfides crudely segregated in bands. 403.6 2cm aspy fg disc band, 2mm py stringer 404.2 2cm py disc, vuggy 405.2 2cm po*py 406.0-406.5 py15%, banded										
407.0	409.0	(AMPHIBOLITE, ALTERED, WEAKLY SILICIFIED) Qtz-hbl-ep/qtz bands, qtz bands on scale, 10% minor py conformable stringer, 2-5% fg py disc, along fol'n planes.	407.00	409.00	1.20	78	18	1000	67	7	4.18	2896
409.0	426.0	(GRANITE) Pink, K-feldspar rich, f-ng, minor pegmatitic sections Sharp upper contact, slight chill margin. K-felds-qtz-Na-spar-hbl. Minor fractures, weakly foliated at 60 to CA. NYS.										
		426.0 E.O.E.										

E 008  
L 400 E  
E 005 L  
E 009 L  
E 007 L  
E 008 L  
E 006 L  
1000  
1100  
1200  
1300  
1400  
1500  
1600



100  
0  
100 (metres)  
200  
300  
400

SCALE 1 : 5 000



*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CBO03  
 Collar Eastings: 600.00  
 Collar Northings: -175.00  
 Collar Elevation: 27.40  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 192.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Dec. 5/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
0.0	7.0	(CASING)										
7.0	22.0	(GRANITIC) Pink, cp to pegmatitic, b-felds/plag/qtz/hbl/bts25, weak foliation at 40 to CA. 21.6-22.0 10%py near amphibolite contact	7.00	21.00	14.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
22.0	26.0	(AMPHIBOLITE-ALTERED WEAKLY SILICIFIED) Grey-black, white fg speckled(qtz), weak qtz banded, well foliated at 45 to CA. qtz>20% hbl-plag-btca-5% po25-mn conformable laminations. 22.0-22.1 py5% in silicious schist near granite, btca5%	22.00	22.10	0.30	306	193	619	307	13	0.36	2697
			22.10	22.50	1.40	17	0	240	116	7	3.42	2698
26.0	35.2	(AMPHIBOLITE-ALTERED-WEAK ZEBRA ROCK) TEXTURE Pale green/grey black patches, stripes, weak developed. qtz/qtz-ep patches 20%, alternate with hbl-qtz dark patches patches 1m to 1-2cm, subangular. po+py25, fg aspy1-25, in lite patches. 32.0 2-5cm po(py25) irregular stringer 33.0 po+py 10% 2-6cm irreg stringers 34.0-35.2 po+py+as? - trace, 30% fg sulfides	26.00	27.50	4.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			27.50	29.50	2.00	21	113	306	93	10	3.14	2699
			29.50	31.00	1.50	22	360	300	300	14	3.51	2700
			31.00	34.50	3.50	141	842	491	2470	12	3.47	2701
35.2	42.0	(AMPHIBOLITE-ALTERED-WEAKLY SILICIFIED) Similar to previous (22-26.0), minor bts, 2% py25, po tr, aspy25 40.7 aspy in qtz-ep 2cm band, 10% aspy 43.3-44.0 aspy25, in qtz+bte 2cm bands.	35.50	35.50	1.00	91	277	1100	3400	36	4.32	2702
			35.50	36.50	1.00	1007	7700	104	297	131	3.04	2703
			36.50	40.40	3.90	2317	1000	130	402	91	3.00	2704
			40.40	40.90	0.50	70	5500	230	553	26	4.48	2705
42.0	47.2	(AMPHIBOLITE-ALTERED-MODERATELY SILICIFIED) Moderately silicified, 30%, 30%mn qtz banding, fg btca-10%, po+py5%, fg disseconformable stringers. Grey-black, white(qtz)fg speckled, white(qtz) banded, foliated at 50 to CA. 45.0-45.5 1% fg disse aspy	42.00	43.30	1.30	20	943	205	136	23	3.51	2706
			43.30	44.30	0.00	25	1310	341	219	19	4.32	2707
			44.10	47.00	2.90	26	1020	106	670	16	5.01	2708
47.2	54.7	(AMPHIB.-ALT'D-ZEBRA ROCK-MOD. SILIC'D) black, fg, qtz+hbl+ep, variable, zebra banding from absent to moderate developed; 60% zebra rock, 40% foliated-banded hbl-ep/Qtz+bte-20%mn bands. variable qtz addition, ca 20%, bte 5%. Dissecon conformable bands po+py2-3%, sulfides gen. in lite green(qtz-ep-bte)bands. Disse aspy1%, occ. mn stringers	47.00	51.50	4.50	20	600	224	353	27	4.39	2709
			51.50	54.70	3.20	140	4500	251	157	16	4.15	2710

*h.p. Clark*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB003

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		47.0-51.4 banded, weak zebra texture, .1' po										
		51.4-54.5 silicified, banded, bte 5% po, aspy 10% 54.2'										
		54.5-57.4 weak silicified, moderate zebra texture, pol 1%, .1'										
54.7	54.7	(GRANITE)	54.70	57.30	2.60	13	343	211	71	16	3.28	2711
		White, eg to pegmatitic, sharp contacts, fg qtz-anph-bte xenos.	57.30	64.70	7.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		57.4-58.2 inclusion-mafic										
		59.1-59.8 inclusion-mafic, bte.										
64.7	64.4	(AMPHIBOLITE-ALTERED)	64.70	69.30	4.60	16	15	170	46	5	3.06	2712
		As above, foliation 35 to CA.-78.5'	69.30	71.00	1.70	14	21	319	53	1	4.10	2713
		64.7-71.0 moderate zebra texture	71.00	73.30	1.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		71.0-78.5 mod. zebra text. 12-1' fg black, massive sections.	73.30	73.60	1.50	20	46	216	53	NIL	3.70	2714
		78.5-82.0 wt banded, pol-2X.	73.60	78.40	4.80	20	611	213	135	5	4.24	2715
		82.0-86.4 strongly qtz banded-25X, avn.	78.40	81.80	3.40	9	46	128	63	4	2.09	2716
86.4	86.2	(GRANITE)	81.80	88.20	6.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Wt banded at 70 to CA., f-eg pink.										
88.2	88.0	(AMPHIBOLITE-ALTERED-WEAK SILICIFIED, BANDED)	88.20	90.20	2.00	47	313	540	75	10	5.31	2717
		Grey/black, fg, pale green bands (1-2m, 40%), qtz, qtz+ep; dark bands fg hbl+qtz+bte diss fg po 4X	90.20	92.90	1.80	200	5990	452	108	12	5.56	2718
		90.0-92.0 silicified-50X, bte 2X, aspy 2-3X, po, banded.										
92.0	95.5	(AMPHIBOLITE-WEAK ALTERED-BANDED)	92.00	95.50	3.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Hbl+qtz+plag-bte 2X, 10% an qtz bands, diss po										
95.5	99.5	(AMPHIBOLITE-ALTERED-STRONGLY SILICIFIED, BANDED)	95.50	97.00	1.50	119	6360	454	107	7	5.90	2719
		50% qtz, qtz+ep+bte 5X (mm to cm bands 60%), anph+qtz bands. Diss po 5X, diss fg aspy 1X, 3 conf. an stringers										
99.5	103.0	(AMPHIBOLITE-WEAKLY ALTERED-BANDED)	97.00	100.70	3.70	19	674	94	80	0	2.03	2720
		Hbl+qtz schist, 2-5% qtz an conformable bands, vfg, black, white bands, traces diss po.	100.70	103.00	2.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
103.0	162.5	(AMPHIB. ALT'D-ZEBRA ROCK-MOD. SILICIFIED) SECTIONS	103.00	105.40	2.40	10	785	209	82	0	3.26	2721
		Black-grey with pale green-white bands, well foliated at 75 to CA., 70% weak to moderate zebra rock sections, 30% qtz banded+silicious, mineralized sections (.5-2.5'-3-sections)	105.40	110.00	4.60	12	87	197	51	1	3.26	2722
		30% qtz, 2% bte in banded+silicified sections.	110.00	114.70	4.70	7	371	128	38	1	1.50	2723
		po+py 2X in pale bands in zebra texture sections.	114.70	119.50	4.80	0	225	289	43	2	2.73	2724
		aspy to 10% in silic sections, po+py to 40%, an to 5%.	119.50	121.00	1.50	6	94	102	65	2	2.87	2725
		119.5-121.5 70% qtz bands, bte, po+minor py 20%	121.00	123.50	1.70	0	194	182	60	1	3.35	2726
		121.5-123.5 minor qtz banding, po+10%, trace fg aspy	123.50	126.00	2.50	0	436	153	31	0	2.14	2727
			126.00	128.00	2.00	13	845	151	35	6	2.44	2728
			128.00	133.70	4.80	21	1040	142	60	7	2.06	2729

HOLE No: CB003

CHAMPION BEAR RESOURCES LTD.

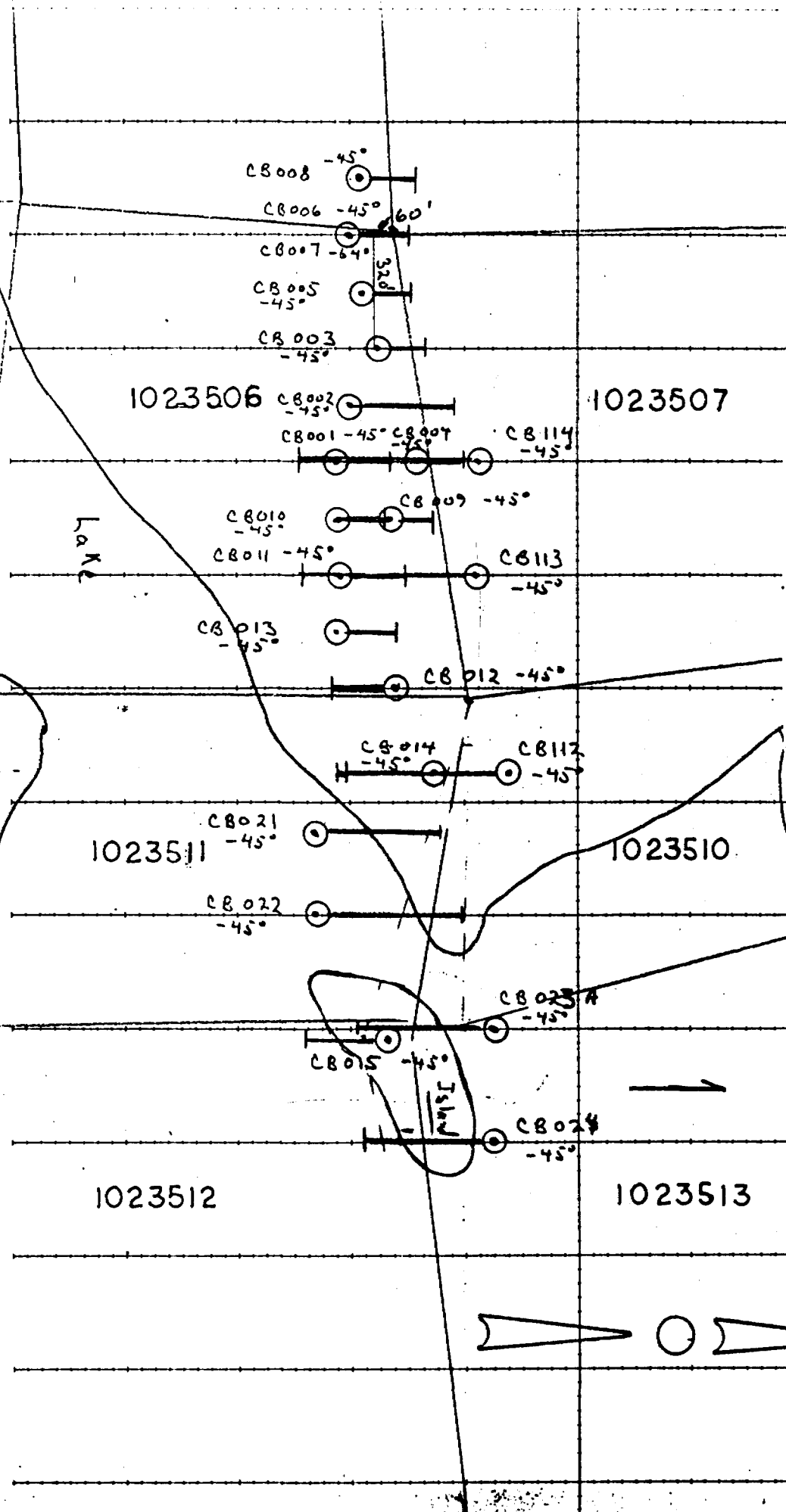
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB003

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		123.5-137.6 zebra rock-mud. developed,fg po5%,aspy 2%	133.70	135.90	2.20	73	4290	368	97	1	5.79	2730
		137.6-139.0 silicious,70%qtz,bte5%,po5%,aspy2%	136.90	136.40	0.50	24	811	404	97	1	18.50	2731
		139.0-140.5 zebra rock,po5%,fg aspy1%	136.40	137.50	1.10	54	1000	255	124	5	4.23	2732
		140.5-142.8 weakly silicified,po5%,aspy2%	137.50	139.00	1.50	311	4830	237	45	MIL	8.17	2733
		142.8-147.2 weak banded, po5py5%,aspy1-2%	139.00	140.50	1.50	187	2500	259	43	5	4.49	2734
		147.2-147.5 SILICIOUS,MINERALIZED	140.50	141.00	0.50	179	4220	500	80	6	6.65	2735
		qtz45%,po5py40%,bte10%,zns5%,aspy2%	141.00	142.00	1.00	245	11200	217	143	4	5.04	2736
		147.5-149.0 po5py5%	142.00	144.50	2.50	145	10800	366	109	1	4.77	2737
		149.0-150.0 SILICIOUS,MINERALIZED	144.50	147.00	2.50	176	2210	274	75	1	4.93	2738
		Qtz60%,po15%,in qtz-sp bands,aspy10%,in qtz bands	147.00	147.50	0.50	88	2350	357	80	1	8.68	2739
		150.0-154.5 weak banded,minor zebra sections,po10%,aspy2%	147.50	148.00	0.50	43	1070	309	76	5	4.29	2740
		154.5-156.0 weak silicified,trace po5pyaspy	148.00	150.00	2.00	1186	24400	322	50	MIL	6.16	2741
		156.0-156.5 SILICIOUS,VEIN MINERALIZED	150.00	153.00	3.00	124	3850	389	59	15	4.26	2742
		40%qtz,30%sp+chl,30%po	153.00	154.50	1.50	140	4630	347	100	19	3.28	2743
		156.5-162.5 minor zebra altered sections,3-.5'30% po	154.50	156.50	2.00	13	660	182	23	8	1.60	2744
			156.50	159.00	2.50	22	1040	225	24	5	3.75	2745
			159.00	162.50	3.50	21	915	147	40	7	2.03	2746
162.5	192.0	(GRANITE)	162.50	165.70	3.20	22	106	172	40	14	2.22	2747
		fg to pegmatitic										
		162.5-164.0 white,fg to pegmatitic										
		164.0-165.2 silicified amphibolite										
		162.5-163.5 10% fg py interstitial,1'										
		167.4-192.0 pink,fg,uniform grain size										
		192.0 E.O.H.										

300 E  
 400 E  
 500 E  
 600 E  
 700 E  
 800 E  
 900 E  
 1000 E  
 1100 E  
 1200 E  
 1300 E  
 1400 E  
 1500 E  
 1600 E



100  
 0  
 100 (metres)  
 200  
 300  
 400

SCALE 1 : 5 000

1023506

1023507

1023508

1023511

1023510

1023512

1023513

1023514

Paterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: C8004  
 Collar Eastings: 700.00  
 Collar Northings: -140.00  
 Collar Elevation: 25.30  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 198.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Dec. 6-7/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	Ar(ppm)	Ca(ppm)	Zn(ppm)	Pb(ppm)		Po(S)
0.0	6.0	(CASING)										
6.0	28.0	(AMPHIBOLITE-UNALTERED-MAFIC) INTRUSIVE! Dark green to black, vfg, amphibole-plag-qtz-sp-schist. Weakly foliated at 40 to CA, with minor irregular banded (qtz-sp-hbl-fg py) pale green sections, 10%, bands up to >1' contorted. 6.0-12.0 2-3' irregular banding, disc pyz-35. 16.5-18.1 10-15% bands, po+py traces. 18.1-28.0 minor sp-qtz bands(2-1')	6.00	6.70	3.70	7	43	353	31	1	1.15	2774
			8.70	10.00	1.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			10.00	11.00	1.00	9	20	244	11	0	0.80	2775
			11.00	16.00	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			16.30	18.30	1.40	0	18	171	15	4	0.86	2776
			18.30	28.00	9.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
28.0	31.4	(AMPHIBOLITE)-UNALTERED Green-black, fg, amph-qtz-sp, well foliated at 60 to CA. Uniform texture, fg disc pyz-35 along fol'n planes. Absence of irregular bands. Contact based on absence of irreg. bands, color change, presence of disc py.	28.00	29.50	1.50	0	16	97	9	0	0.73	2777
			29.50	30.30	0.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			30.30	31.00	1.30	11	17	131	9	0	0.95	2778
31.6	34.8	(INTERMEDIATE TUFF-PELVIC?) Pale brown/white, fg, fine banded; 30% Mn, bto25-sp/ amph-qtz-plag, disc py in bto-up along foliation planes, 2-35 gradual lower contact to black, fg massive unit.	31.00	33.00	1.40	7	27	155	44	3	4.00	2779
			33.00	34.50	1.50	0	22	202	41	3	3.20	2780
34.8	40.3	(AMPHIBOLITE-UNALTERED) Black, vfg., weak foliation at 65 to CA. Amph-qtz-sp-plag schist, uniform texture, nva.										
40.3	40.5	(INTERMEDIATE TUFF-PELVIC?) Similar to previous; weak pale banded-plag horizon enclosed in mafic schist. Plag rich/qtz no banded, gradual contacts.										
40.5	47.2	(AMPHIBOLITE-ALTERED-WEAK) ZEBRA ROCK Black, vfg, irregular dist'n of pale green-white lenses/ patches-mn to ca scale(weak developed zebra texture over small sections-to.2') pervasive alteration-30%qtz-sp add'n. nva to 45. Minor(2-3%)qtz-sp conf. on bands. 45.0-47.2 increase in an banding to 10% 47.2 - disc pyrox stringer in mafic near granitic ct.	44.50	45.00	10.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
47.2	48.0	(GRANITE)	45.00	47.30	2.30	30	110	204	34	0	1.77	2781

HOLE No: C8004

*Handwritten signature*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB004

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		Pink, n-cg, sharp contacts, disc py1-25.										
48.0	49.8	(AMPHIBOLITE-ALTERED-WEAK SILICIFIED, BIOTITE) Similar to previous, increase in fg biotite to 5%, gradation from prev. amph unit to 30% qtz-ep bands, disc py in bands 4%, minor py along nn x fractures at 75-80 to CA-25. Weakly silicified, >10% qtz.	47.30	48.10	0.80	NIL	63	33	99	8	1.02	2782
			48.10	49.70	1.60	51	308	743	87	23	3.49	2783
49.8	51.9	(SILICIFIED, MINERALIZED) Gradual contacts. Fg banded; qtz-ep (lite to pale green), 50%, amph-qtz-ep dark green-black. nn to ca scale. Fg po laminae + irreg. stringers 10%, trace py, aspy 3m stringers + fg disseminated 5-10%. Quartz > 60%. 50.5-50.9 centre, qtz 30%, aspy f-cg granular clusters and disseminated 40%, po granular clusters 25%. 5% amphibole + epidote, nn bands. 50.9-51.9 qtz 50%, ep-plag-hbl 30%, 15% po, 5% aspy blobs.	49.70	50.50	0.80	704	7740	491	150	38	8.32	2784
			50.50	51.00	0.50	650	45200	538	70	23	10.10	2785
51.9	69.3	(AMPHIBOLITE-ALTERED-WEAK SILICIFIED, BIOTITE) Gradual contact with above unit. Mineralogy similar to previous amph section. Inhomogenous dis'n of alteration types-sections. Foliated at 45 to CA. 52.0-54.7 ep-qtz patches 80%-lite green, 20% dark-amph-ep-plag Zebra texture section. 5-10% fg po. 54.7-55.2 80% qtz, weak mineralized, 10% po nn laminae, trace fg aspy 55.2-60.0 Banded schist-qtz, 3cm py-qtz, 1' fg aspy 5%, po 20% 60.0-61.5 Weakly silicified 10-20% qtz, plag, banded fg py/ qtz-ep-bte. py 40%, ag aspy 1-2%, po 2% 61.5-69.3 Silicified, banded schist-80% qtz bands, fg po aspy 15% w/ zebra texture.	51.00	52.00	1.00	217	2210	520	230	22	5.60	2786
			52.00	54.70	2.70	100	592	445	143	11	4.32	2787
			54.70	55.20	0.50	38	2220	269	77	30	4.30	2788
			55.20	56.00	0.80	30	1280	228	30	10	2.82	2789
			56.00	56.50	0.50	144	1900	277	51	2	4.78	2790
			56.50	60.00	3.50	80	1000	259	35	7	3.50	2791
			60.00	61.50	1.50	39	323	712	85	3	8.38	2792
			61.50	63.40	1.90	108	170	394	21	5	3.83	2793
			63.40	66.00	2.60	34	155	271	18	3	3.90	2794
			66.00	68.00	2.00	52	179	407	18	3	5.30	2795
			68.00	69.30	1.30	65	1300	317	23	2	3.87	2796
69.3	69.8	(SILICIFIED, MINERALIZED) 75% qtz, 5-10% qtz-bte-amph. ca bands, po 15%, aspy 10%, grad. cts.										
69.8	70.3	(AMPHIBOLITE-ALTERED-SILICIFIED, MINERALIZED) Qtz 40% bte-amph schist, fg aspy 10%	69.30	69.80	0.50	158	13400	244	50	8	4.62	2797
			69.80	70.30	0.50	169	14400	135	119	23	4.01	2798
70.3	71.0	(SILICIFIED, MINERALIZED) Banded qtz-ep-bte-hbl schist, fg aspy 30%, po 20%	70.30	71.00	0.70	2059	42900	581	48	20	8.91	2799
71.0	77.4	(AMPHIBOLITE-ALTERED-SILICIFIED, MINERALIZED) Fg banded schist, 50% qtz, 10% bte, py 4% aspy trace 75.0-76.0 disc fg aspy	71.00	73.00	2.00	115	3190	436	25	13	4.49	2800
			73.00	75.00	2.00	136	1880	395	23	7	4.49	2801
			75.00	76.00	1.00	51	858	215	37	24	3.40	2802

HOLE No: CB004



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB004

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
			76.00	77.40	1.40	136	1710	471	60	17	4.71	2803
77.4	78.8	(SILICIOUS, MINERALIZED) 50% vfg qtz-cherty? Well foliated, banded qtz/qtz+sulfide/ qtz+bte. 10% bte./qtz-bte-hbl	77.40	78.50	1.10	2376	28000	869	67	15	8.75	2804
78.8	79.5	(SILICIFIED, WEAKLY MINERALIZED) 40%po, aspy5%, qtz-hbl/sp-bte-qtz banded. Sulfides in .2' sect.	78.50	79.50	1.00	592	2930	753	39	58	7.67	2805
79.5	82.2	(AMPHIBOLITE-ALTERED-WEAKLY SILICIFIED) Banded, plag-ep-hbl-qtz schist, bte2%, mn bands, >10%qtz, 81.9-82.2 po 10%	79.50	81.00	1.50	42	164	357	31	23	3.65	2806
			81.00	82.20	1.20	192	262	563	39	17	4.19	2807
82.2	83.0	(SILICIOUS, MINERALIZED) Quartz, po60%, cement-matrix, weak foliation at 35 to Ca, py5%	82.20	83.00	0.80	775	97	4090	110	12	7.27	2808
83.0	84.1	(AMPHIBOLITE-ALTERED-WEAKLY SILICIFIED) 10%qtz, qtz-anph-10%bte, mn bands 50%, po10%, aspy1-2%	83.00	84.00	1.00	318	231	2140	91	24	8.92	2809
84.1	84.6	(BIOTITE-QTZ-EP SCHIST) Qtz eyes-augen?, po10-20%, weak crenulated fabric, 60%bte.	84.00	84.60	0.60	221	224	1990	228	8	8.41	2810
84.6	90.3	(AMPHIBOLITE-ALTERED-WEAKLY SILICIFIED) SECTIONS Banded qtz-anph-bte-ep schist mn to cn scale, well foliated at 30 to Ca, change to 30 by 82.6", 6%bte. 50/50 lite green/dark green-black bands. 2-1' banded-qtz schist sections, po, py, aspy 84.6-86.0 po30%, py5%, weakly silicified. 86.0-89.0 10% qtz-vh silicified, 2-1cm py-bte conf. stringers po10%, banded. 89.0-90.3 Moderately silicified, 30% qtz, py-qtz conf. string- ers, aspy1-2% in qtz bands.	84.60	86.00	1.40	164	227	998	68	11	8.18	2811
			86.00	89.00	3.00	234	790	594	48	14	8.24	2812
			89.00	90.30	1.30	262	738	1210	65	27	5.38	2813
90.3	92.6	(SILICIOUS, MINERALIZED) 60%qtz mn to cn bands, qtz-bte10%-anph schist, weak crenulated fabric, po 5-1cm conf. stringers, 30-30%, aspy in qtz bands, 2% 92.6 qtz-bte-py brecciated schist, contact margin with gran.	90.30	91.00	1.60	456	2890	417	104	WEL	5.62	2814
			91.00	92.60	0.70	73	694	378	524	175	6.44	2815
92.6	196.0	(GRANITE) 92.6-93.5 Pegmatitic, white 100.0-196.0 pink, fg, black(hbl) speckled, weak foliation at 35 to Ca.	92.60	93.00	0.90	16	66	181	394	426	2.19	2816

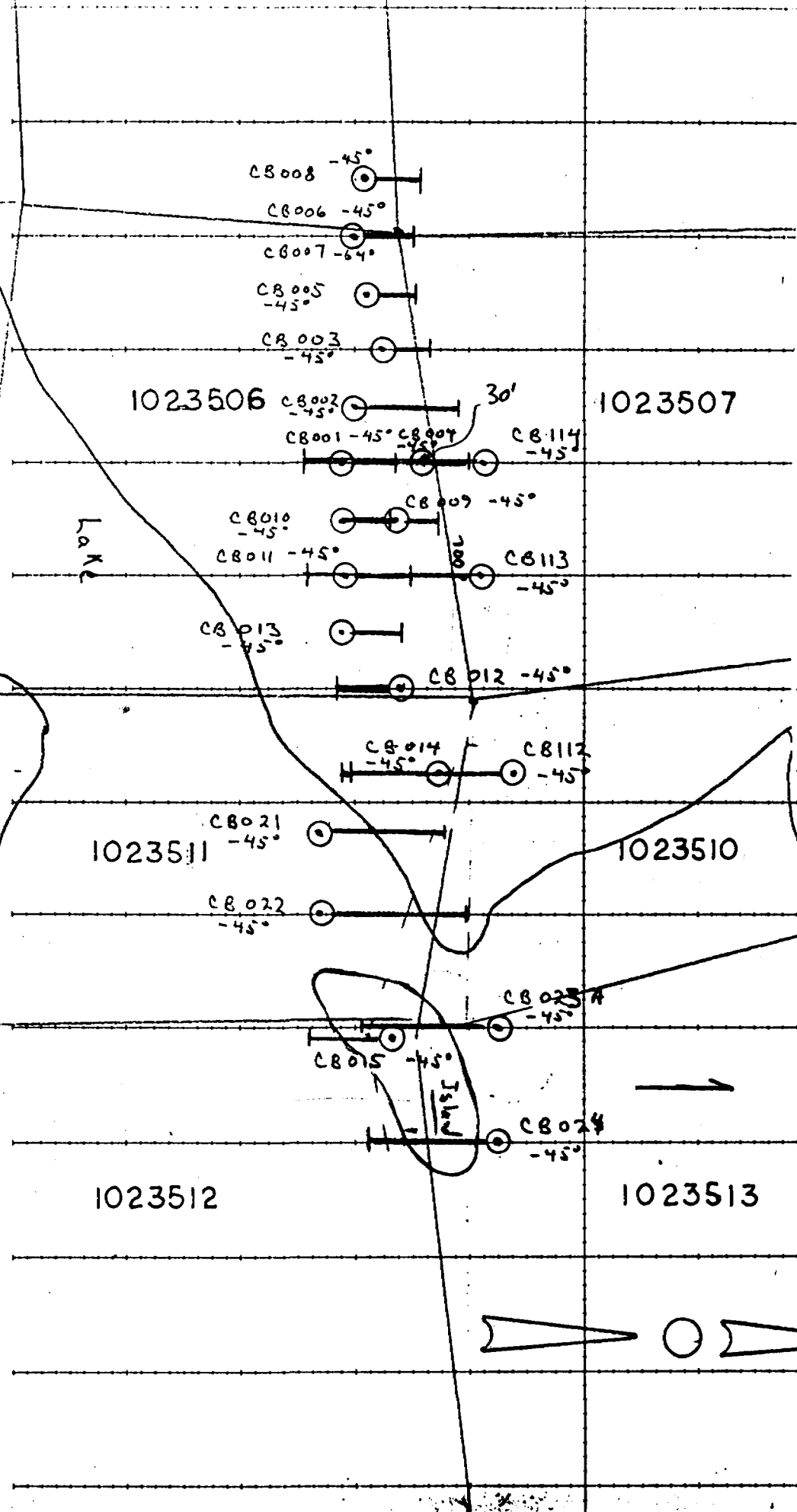
196.0 B.O.B.

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SCALE 1 : 5 000

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Peterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB005  
 Collar Eastings: 550.00  
 Collar Northings: -190.00  
 Collar Elevation: 26.50  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 196.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Dec. 7-8/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
0.0	13.0	(CASING)										
13.0	13.7	(GRANITE) Pink, cg	13.00	13.70	0.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
13.7	25.0	(AMPHIBOLITE-ALTERED-BANDED) Black/green pale banded, an to ca scale. ep-plag-qtz lite bands. ep-hbl-garnet (fg pink, 5-10%) dark bands (2-5%, c. 1') Well foliated at 50 to CA. Inhomogeneous texture. Pg potpy an conformable stringers 25, minor. Scn vuggy potpy bands. 13.7-14.0 fg potpy 2-5%, near gran. ct. 16.0-16.6 .1' 20% fg garnet, vuggy potpy band, 20% qtz, etc. 16.0-19.0 5-10% fg dior. 19.0-19.2 40% py, fg dior. vs fracture infilling. 3mm. 20.0 - 60% py, vuggy mg py bands 21.0 - 40% py 22.4-23.4 granitic pegmatite 23.4-24.0 weak silicified, py 20%, lca garnet 40% 24.0-25.0 fg garnet 40%	13.70	16.00	2.30	31	666	150	63	5	5.29	2017
			16.00	16.60	0.60	31	112	245	70	2	12.10	2018
			16.60	19.00	2.40	14	242	110	30	3	4.47	2019
			19.00	19.60	0.60	10	75	197	43	2	5.54	2020
			19.60	20.10	0.50	335	54	124	30	1	6.66	2021
			20.10	20.60	0.50	10	42	100	20	2	4.30	2022
			20.60	21.00	1.20	20	107	140	30	1	4.32	2023
			21.00	22.40	0.60	7	201	76	30	3	3.01	2024
			22.40	23.40	1.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			23.40	24.00	0.60	10	305	104	60	4	5.10	2025
			24.00	25.00	1.00	10	190	167	60	2	5.63	2026
25.0	26.0	(SILICIOUS, MINERALIZED) Irregular contacts, weakly conformable. Vfg, massive quartz 60%, ep-hbl 10%, 30% pyhr; f-cg irregular stringers/clots.	25.00	26.00	1.00	35	25	167	30	2	6.89	2027
26.0	29.0	(AMPHIBOLITE-ALTERED-BANDED/ZEBRAN TEXTURE) Banded to zebra rock texture, contorted foliation, sections weakly silicified. dior po 5%, garnet if bands (2-3', 50% pink) 25.0-26.0 banded, minor weak zebra texture.	26.00	29.00	1.00	15	81	102	30	4	5.10	2028
			26.00	29.20	0.60	46	443	110	30	1	4.41	2029
			29.20	30.00	1.00	10	149	110	40	1	4.05	2030
30.0	31.4	(SILICIOUS, WEAK MINERALIZED) Gradual contacts (.1'), conformable, 60% qtz, hbl 20%, py 20% fg stringers.	30.00	31.40	0.60	15	55	170	30	10	6.43	2031
31.4	33.7	(AMPHIBOLITE-ALT'D, VEILY SIL'D, MINERALIZED) White/green black banded, weakly foliated at 45 to CA. 40% qtz an to ca bands, dior po conf. stringers 10%. plag-hbl-ep bands 60%, slight weak developed zebra (angular lite patches) texture.	31.40	33.70	2.30	25	127	110	44	3	4.32	2032
33.7	45.6	(AMPHIBOLITE-BANDED)	33.70	35.40	1.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

HOLE No: CB005

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO05

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Grey to black,fg to mg hbl rich60%,green pale plag-mg hbl-ep-qtz/qltz banded 5-10%,cu to 3' scale.Diss.po2-5%,36.0-38.5 slight silicified(10%).	35.40	36.60	1.20	10	292	129	69	4	4.25	2833
		43.7-45.5 dias po+1'conf.stringer 20%.	36.60	37.80	1.20	10	254	94	78	2	4.33	2834
			37.80	38.70	0.90	13	121	178	62	6	4.33	2835
			38.70	43.70	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			43.70	45.50	1.80	9	21	104	35	7	3.57	2836
45.5	48.1	(GRANITE) Pink,fg30%,pegmatitic phases 70%,pink-white patches.	45.50	48.10	22.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
48.1	48.6	(SILICIOUS,MINERALIZED) 50% qtz-25%fg hbl-ep-bte 2% banded,20%py+aspy,aspy10%/py40%. aspy as f-mg diss granular clusters,py mg to cg diss.Gradual lower contact,contorted-x-cut foliation?	48.10	48.60	0.50	126	6880	571	878	5	7.59	2837
48.6	82.0	(AMPHIB.-WEAK ALT'D-SILICIFIED,GARNETIF).SECTIONS fg-black/green banded,weak foliation at48-55 toCa.Hbl-ep-qtz schist.Weak quartz altered sections,2-3',banded ep-hbl-qtz/qltz-ep,py5-10% fg diss+conformable an stringers,minor po blebs.20% massive fg black-green sections.Narrow-icu to .2' fg pink garnet 40%qtz sections,po10%,py2-5%,cpy trace.	48.60	70.00	1.40	9	845	141	116	37	3.96	2838
			70.00	70.90	0.90	9	332	153	103	20	4.78	2839
			70.90	71.00	0.90	6	149	36	30	16	2.46	2840
			71.00	74.20	3.20	16	206	284	134	3	6.62	2841
			74.20	77.10	2.90	15	469	740	199	3	6.88	2842
			77.10	77.60	0.50	28	178	398	168	2	7.91	2843
			77.60	78.00	1.00	NIL	156	83	89	2	4.56	2844
			78.00	81.40	3.40	35	1920	151	145	3	6.04	2845
		75.5-76.0 fg garnet 40%										
		77.1-78.6 .1'po cemented ep-hbl-qtz band,cpy?,weak silic.										
		77.6-78.6 fg garnet 20%										
		81.4-82.0 po60%-qtz30%,hbl5%,ep schist et.nargin-gran.peg.										
82.0	92.2	(GRANITE) Cg to pegmatitic,weakly to unfoliated.	81.40	92.10	0.70	33	12	486	80	4	7.77	2846
			92.10	93.20	10.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
92.2	112.7	(AMPHIB.-BANDED+GARNETIF).SECTIONS,WEAK SILIC) SBCT Grey-pale green banded,pink,fg garnet sections(1-2'-6) qtz-bte/amph-plag-ep-bte bands on scale,0 to 25% of sections weakly to well foliated,minor massive-black sections. Bte to 2% in garnet sections.Minor diss po+py.Fraces(2-55 over.1')aspy fg totnu blebs. 92.2-93.0 weak(10%)silicified,bte5%,po on conf.stringers5%	92.20	93.00	0.80	10	185	117	56	2	5.78	2847
			93.00	97.00	4.00	112	1890	108	74	5	6.62	2848
			97.00	98.00	1.00	62	4850	139	96	NIL	6.33	2849
			98.00	101.20	3.20	6	71	111	73	8	6.69	2854
			101.20	102.00	0.80	23	182	144	97	10	7.30	2850
			102.00	106.00	4.00	6	40	31	77	14	3.47	2851
			106.00	107.00	1.00	12	45	120	87	22	4.96	2852
			107.00	108.00	1.00	11	404	97	401	42	4.88	2853
			108.00	112.70	4.70	8	57	155	165	19	5.52	2855
		99.0-101. banded,pyhr stringers,30%quartz.										
		101.0-102.0 silic20%,po-qtz bands50%.										
		101.5-102.0 blocky,broken care.5%po.										
		102.0-106.0 fg garnet 30%,bte2%										
		106.0-107.0 wk silicified(20%)pale bands,po+py										
		107.0-110.0 silic;40%qtz,bte 20%,po10%.										

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB005

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Pc(%)	
		110.0-112.7 40% garnet n-cg, trace py.										
112.7	134.8	(AMPHIBOLITE-SILICIFIED, NEUTRALIZED) Fg banded schist, qtz+po/amph-qtz-bte banded sections, 80% weak to strongly banded, foliated at 45 to CA, to 30(134.1) po 30% to 131.1, decrease to 2% by 134.8. Quartz content 10-10%.	112.70	114.50	1.80	20	85	276	295	32	3.42	2856
		114.0-114.3 po60%	114.50	119.00	4.50	12	35	133	58	8	4.96	2857
		119.2-119.4 po80%, qtz-clasts 20%	119.00	119.50	0.50	14	13	111	37	5	7.83	2858
		124.0-127.0 qtz60%, po banded	119.50	122.00	2.50	11	22	98	26	8	4.42	2859
		130.5 fg aspy 2-1cm conf stringers.	122.00	124.00	2.00	15	48	248	300	29	6.42	2860
		132.8 bte-aspy 40%, po 20%, qtz 40%, lcn conf. lamination.	124.90	126.00	1.10	23	42	428	137	31	11.30	2861
		133.3-134.2 silic. ep, po 10%	126.00	127.40	1.40	31	43	520	309	23	10.60	2862
			127.40	130.30	2.90	20	435	128	433	76	5.60	2863
			130.30	131.10	0.80	26	1990	175	2470	65	6.15	2864
			131.10	132.00	1.50	11	365	170	333	39	3.38	2865
			132.00	133.10	0.50	27	5070	187	2050	16	5.22	2866
			133.10	134.00	1.70	25	252	322	1200	15	4.22	2867
134.8	136.8	(GRANITE) Cg to peg., pink, 3' white	134.00	135.00	0.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			135.00	136.00	0.40	8	103	43	204	25	3.24	2868
136.8	137.8	(BIOTITE-QUARTZ SCHIST) 50/50% bte/quartz, vns.										
137.8	137.8	(GRANITE)	136.00	137.00	1.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
137.8	138.7	(AMPHIBOLITE-ALTERED) As above, foliation at 45 to CA., weakly banded, uniform text. 138.7 bte60%, lcn near granitic pegmatite.	137.00	138.70	1.50	5	105	122	105	23	3.00	2869
138.7	139.3	(GRANITE) White, cg, biotite 10%	138.70	139.30	0.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
139.3	141.2	(AMPHIBOLITE-ALTERED) As above, weak silicified (20%), banded; qtz-py(10%)/qtz-amph-bte 139.3-139.8 5% fg disse aspy 140.7 1-2% Zn, fg, in 2cm conf. aspy stringer. 139.8-141.2 po fg 50%	139.30	141.20	1.90	120	6590	280	1420	4	6.50	2870
141.2	142.5	(GRANITE) White, gradual up/lower contacts.	141.20	142.50	1.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
142.5	147.0	(AMPHIB.-ALT'D-VE SILIC'D, VE ZIRCON) SECTIONS Weak-poorly developed zebra texture sections 70%, 30% weak banded sections, silicified 5-10% quartz, disse py 2%. 142.5-145.9 silic. irregular, py 5%, biotite-qtz section. 146.2-146.9 bte-qtz schist, wk nelsonitic texture, disse py 5%.	142.50	146.20	3.70	NIL	252	166	57	8	2.13	2871
			146.20	147.00	0.80	NIL	87	128	582	2	7.68	2872

CHAMPION BEAR RESOURCES LTD.

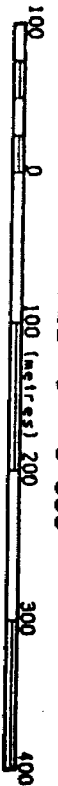
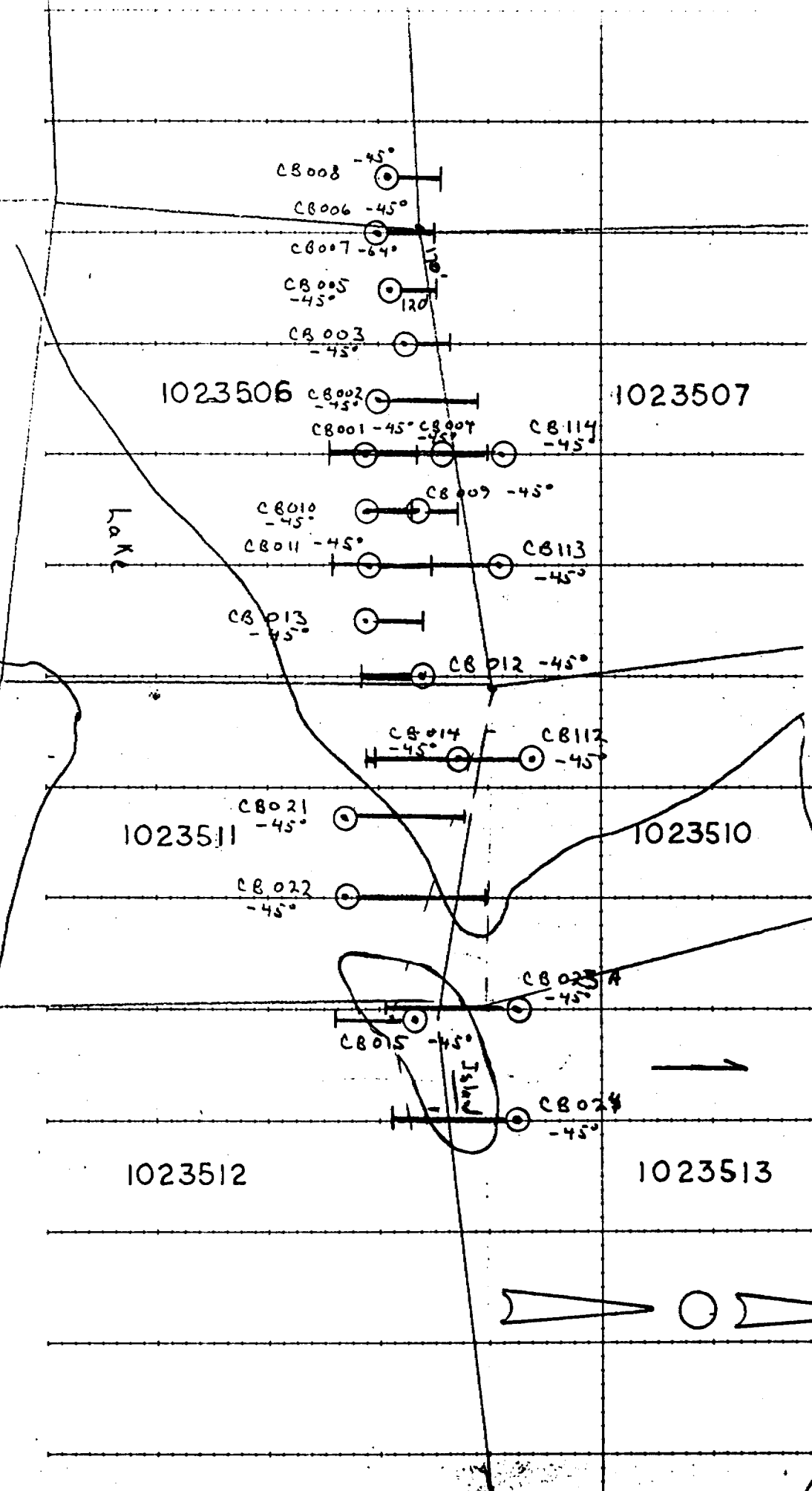
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB005

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	Ag(ppb)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		qtz+plag grains cg to peg, cemented by qtz+bt 40% matrix.										
147.0	148.1	(GRANITE) Pg, pink, foliated 85 to CA	147.00	148.10	1.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
148.1	150.3	(AMPHIBOLITE-ALTERED) Inclusion, qtz banded, 10% disc py 10%, py along x-fract, bt 2%.	148.10	150.30	2.20	6	89	321	217	1	4.28	2873
150.3	196.0	(GRANITE) Pg to pegmatitic pink, minor, 1-2% bt+py lcn lenses.  196.0 - E.O.H.										

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1 400 E  
1 500 E  
1 600 E  
1 700 E  
1 800 E  
1 900 E  
2 000 E  
2 100 E  
2 200 E  
2 300 E  
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LAK

Island

*Peterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB006  
 Collar Eastings: 500.00  
 Collar Northings: -200.00  
 Collar Elevation: 26.20  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 238.00 feet

Logged by: I.E.S. Ltd. - P.Barc  
 Date: Dec. 8-9/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Ca(ppm)	Zn(ppm)	Ph(ppm)	Po(S)	
0.0	5.0	(CASING)										
5.0	32.3	(GRANITIC) Pink, coarse to pegmatitic grain size, inhomogeneous, minor graphic gran. texture 28-30. Sharp lower contact, minor contact biotite.										
32.3	38.9	(AMPHIBOLITE) Green-black, fine grained amphibole±quartz-epidote schist. Foliated at 55 to Core Axis. Weak banded, 3-10% scale ep-plag. Homogeneous texture. NVE.	5.00	36.00	31.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
38.9	48.0	(AMPHIBOLITE-W/VT SILICIFIED, BIOTITIC) Grey-black banded, vfg., amph-qtz(10-20%)±bte(2-5%)±ep schist well foliated, inhomogeneous dist'n of banding±silicified sections, sections unbanded. Traces diss.py. Minor silicious, aspy±py mineralised sections. 37.0-38.0 Strongly silicified, bte±20%, banded, Aspy±50%/py±50%; .5cm. conformable stringer. disseminated py±10%, trace diss. Aspy.	36.00	37.20	1.20	10	375	110	20	10	0.70	2874
			37.20	38.00	0.80	215	14600	307	640	20	4.88	2875
			38.00	40.00	2.00	11	343	62	20	20	0.22	2876
			40.00	40.50	0.50	140	1400	90	245	34	1.00	2877
			40.50	41.00	1.10	54	1790	134	70	24	2.30	2878
			41.00	43.00	1.40	20	680	142	40	0	3.01	2879
			43.00	46.00	3.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			46.00	46.00	2.00	130	1730	242	100	151	2.00	2880
48.0	53.8	(AMPHIB.-SILICIFIED±SILICIOUS, MIN'D) SECTIONS Grey-green-black, vfg-ng, banded schist, foliated at 80 to CA. Quartz±10%±amph-bte to 20%±ep-plag. Silicified sections with 40-60% aspy f-ng clots, po±py±20%, quartz±20%, Zn±2-5% (over 1-.2) biotitic, to 20%. 48.0-48.7 f-ng diss. Zn±5%, py±5%, 2% aspy in conformable laminae. no scale. 49.4-51.2 Aspy±50%, Zn, banded; sulfide±quartz±qtz±bte±amphib. 51.2-53.8 CONFORMED silic. schist±sulfide (baote), Zn. fol'n variable? folial folding? py±10% in schist.	48.00	48.70	0.70	451	8750	606	14200	370	6.80	2881
			48.70	49.40	0.70	210	7100	246	3550	450	6.05	2882
			49.40	50.50	1.10	1405	100000	395	11300	1500	7.92	2883
			50.50	51.20	0.70	777	100000	354	5940	551	8.50	2884
53.8	62.2	(AMPHIBOLITE-GARNETIFEROUS, BIOTITIC) Black to green-black, fg., Qtz-amph-bte(5-10%)±ep-plag schist. Weakly banded, inhomog. texture. Minor f-ng pink garnetiferous sections. epidote. Diss. py±5% 55.0-55.2 quartz-ep-py conformable stringer. 55.8-60.3 40% garnets, fg, weakly banded.	51.20	53.70	2.50	795	30000	510	3750	732	7.00	2885
			53.70	55.00	1.30	30	1600	200	200	70	4.44	2886
			55.00	55.50	0.50	60	1370	250	100	22	3.80	2887
			55.50	58.00	2.50	15	237	211	101	2	4.74	2888
			58.00	60.00	2.00	6	63	100	122	4	5.00	2889
			60.00	62.20	2.20	13	2	100	100	3	5.82	2890
62.2	63.0	(GRANITIC)	62.20	63.00	0.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	

HOLE No: CB006

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB006

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	Ar(ppm)	Co(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		White, eg., slight cross cut contacts.										
63.0	66.2	(AMPHIB.-BANDRED, GARNETIFEROUS, VK. SILICIFIED) Gradational from previous unit. Increased quartz (to 40%), quartz fine (ms) banding. Decrease biotite content to 2%. 63.6-63.7 fg py stringers, 20% py. 64.6-66.0 minor f-cg garnets 66.0-66.2 qtz 60% - bte 30% - py 10% schist-contact margin-granite	63.00	66.20	3.20	22	76	127	99	2	4.47	2891
66.2	75.3	(GRANITIC) Pink/White fg-pegmatitic, conformable contacts, Kfeld 43% - Na 20% qtz 30%, garnet 5%, amp 7%, etc trace. Fg garnetiferous + qtz + py - vuggy sections in granite (3-3') 66.8 trace disseminated magnetite	66.20	75.30	9.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
75.3	85.0	(AMPHIB.-MOD. SILICIFIED, BANNED, GARNETIFEROUS) Similar to previous unit. Increased silica (20-30%), banded- quartz. Well foliated at 45 to CA, sections variable, contorted sections weakly foliated. Diss. py + po on conformable laminae < 5% minor x-trax with offsets, pyhr infillings. 76.3-77.5 contorted? sp-plag-hbl schist 79.0-79.8 white mg granitic 79.8-82.0 ave. 82.3-82.8 vuggy, irregular to crosscut py/po 50%/50% 1-3cm xfracture infilling.	75.30	76.00	1.70	26	3	118	47	2	4.75	2892
			76.00	76.50	1.50	24	2	177	44	1	5.33	2893
			76.50	81.00	1.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			81.00	82.50	1.50	8	16	104	43	2	4.31	2894
			82.50	83.00	0.50	54	43	646	78	2	10.00	2895
			83.00	85.00	2.00	15	11	92	125	2	6.59	2896
85.0	119.3	(GRANITIC) pink, eg. to pegmatitic. 97.8-98.6 amphibolite-mafic inclusion	85.00	119.30	34.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
119.3	131.9	(AMPHIB.-GARNETIF., BANNED, VEILY SILICIFIED)-SECTIONS Black-green, fg, amph 40% plag 20%, qtz 10%, sp, bte 5%, pink fg garnet 10%. Lite (green-white) banded-qtz-sp/qs+po/qs-fg garnet-20% biotite 20% on scale. Well foliated at 45 to CA. Inhomogenous texture, variable compositions over 1-2'. F-g garnet, pink, sections 3-1.' to 25% garnet. Silicified sections, weakly developed (to > 10% over 1.) Diss. po+py conformable laminations 5%. Minor (.2') sections py 15-20% in hbl-qtz-sp-bte schist. 119.3-120.5 fg pink garnet 25% 124.0-129.3 weak silicified, diss po+py 15%, 126.5-.7 50% garnet. 129.0-130.4 GRANITIC, pink, garnets + garnetiferous inclusions	119.30	124.00	4.70	8	140	76	66	2	4.24	2897
			124.00	124.00	2.00	13	100	107	32	1	4.87	2898
			126.00	130.00	4.00	20	70	102	44	4	4.45	2899
			130.00	131.30	1.30	213	13	125	131	2	7.63	2900

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB006

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
131.9	134.8	(GRANITIC) Pink,ng-cg,minor mafic(amph)inclusions,amph-bte-qtz-garnet ep.py5%(.2'-2sections)	131.90	134.00	2.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
134.8	154.7	(AMPHIB.-ALT'D,STRONGLY SILIC'D,HEM'D SECT.,GARNETS) Continous from previous section.Minor silicious mineralized sections.Banded qtz-hbl-plag-ep-bte+garnet schist,variable orientation of banding,45-55 toCA..Garnetiferous sections<1' to>1'f-cg garnet to 50%in sections.Quartz enrichment to >20% in sections.Silicious,mineralized sections qtz>30%,banded, Aspy,po+py,sulfides to 30-40%,narrow;.8'.Diss po+py<5%, irregular distribution. 136.0-137.0 trace diss.Aspy. 138.6 trace fg diss Zn,conformable to foliation laminations 139.2-140.4 SILICIFIED,MINERALIZED Conformable,30%qtz,sh banded,qtz-ep-hbl-bte% schist,po.2' irreg.stringer+diss.po 15-20% fg diss.Aspy'10%,clots. 140.4-144.5 diss po+py% minor fg garnet.2' 144.5-148.8 f-cg garnet 25%,irreg.distribution. 145.7-145.8 po+qtz conformable band in garnetif.schist. 148.8-152.2 Banded,homogenous texture,po+py laminations2-5% 152.2-153.8 Silicified(20%),banded po-py qtz-ep-hbl schist, bte, po+py 25%,minor,5%,fg pink garnet	134.90	136.00	2.00	11	15	146	125	16	5.39	2901
			136.00	138.40	2.40	20	893	174	719	48	4.90	2902
			138.40	139.20	0.80	44	2940	147	2000	141	3.89	2903
			139.20	140.40	1.20	419	18900	324	250	178	8.20	2904
			140.40	144.50	4.10	38	738	91	84	46	4.99	2905
			144.50	148.00	3.50	48	206	137	55	5	6.16	2906
			148.00	152.20	3.40	9	83	105	92	11	4.78	2907
			152.20	153.80	1.60	48	84	164	285	9	19.20	2908
			153.80	154.70	0.90	21	21	213	170	5	7.69	2909
154.7	162.3	(GRANITIC) Pink,fg to pegmatitic,conformable,sharp contacts,weak foliated at 45 to CA.	154.70	162.30	7.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
162.3	166.7	(AMPHIB.-MOD SILICIFIED,BANDED) Silicified,to 50% in sections,qtz-amph-ep-bte(to5%) schist well fine banded on scale,continous from prev.section (148.8-152.2)Uniform texture,po+py%fg conformable laminae on scale	162.30	166.70	4.40	17	12	171	100	1	4.84	2910
166.7	169.3	(GRANITIC)	166.70	169.30	2.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
169.3	171.6	(AMPHIBOLITE-,VELV SILICIFIED) 5-10% qtz addition,hbl-ep-plag schist,sh to absent banding, traces diss po+py. 171.0-171.5-bte 5-10%,near granitic contact.	169.30	171.60	2.30	17	17	104	295	3	4.60	2911
171.6	173.3	(GRANITIC) Pink/White banded,ng,fg bte,bands to lcn.,10%,near contacts.	171.60	173.30	1.70	7	30	36	106	24	1.26	2912

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB006

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		Weakly foliated at 50 to CA.										
173.3	175.7	(SILICIFIED, MINERALIZED) 40%Qtz addition to mafic schist. Schistose, banded qtz-amph-ep amph35%, qtz+aspy(0.1-0.2)-Zn-4-5% Aspy as fg granular clusters, to 1cm. Po as fg laminations, gran. clusters, Zn fg disseminated crystals. 175.2-176.0 mm cross fracture with Zn/po infilling-3. 175.2-176.0 Biotite(>10%), contact argin with granitic pegmatite.	173.30	175.70	3.40	362	29500	970	6270	33	6.04	2913
175.7	184.2	(GRANITIC) Pink/White, fg to cg, banded, inhomog. texture. Weak foliated at 50 to CA. Weak graphic texture, sharp contacts. 175.8-176.9 diss.py/conformable lcn stringer, in qtz-bte/amph inclusions (3-1')	175.70	177.00	1.30	30	302	166	169	24	3.26	2914
			177.00	184.20	7.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
184.2	225.6	(AMPHIB. ZEBRA ROCK+WE SILIC'D, MIN'D) SECTIONS Abrupt change in texture from previous Amphibolite unit. Inhomog. texture-Green-black/pale green patches, angular to irregular shape, mm to cm scale -ZEBRA ROCK. Amph40, ap30%, plag20%, qtz10%, bte schist, py diss., in lite patches(qtz-ep- plag) to 5%. Foliation variable, 30 to CA, generally, sections 30 to CA. 210.5-212.0 180 degree reversal in foliation. Zebra texture sections alternate with qtz&amph10%-silicified sections(5', 3', 2'), diss aspy, po+py aspy-2%, po+py to 20%. 184.2-187.0 moderate zebra texture, po+py 2%, diss. fg globbs 187.0-190.7 wk silicified, amph-qtz schist, bte10-20%, diss py >5%, 1% fg diss aspy. 188.7-190.0 wk zebra texture, diss po+py 2%, zfrax+po(.6cm) 190.0-192.0 wk silicified, diss po+py 4%. 192.0-198.4 wk zebra texture, trace diss py laminae to irreg. 198.4-205.3 silicified, weakly mineralised; qtz10%, sections. 199.4-199.6 40% aspy, diss fg 3mm stringer(198.4-200.0') diss po+py, no bands, 2%. 205.0 lcn aspy-po conf. lamination. 205.3-213.8 Zebra rock, strongly developed texture, banded, uniform foliation to 210.5, contorted, 180 degree foliation change to 213.8' 213.8-213.3 silicified section, qtz+amph, po+py 2%. 213.8-216.4 wk silicified (>10%) qtz-py, po banded, >5%, 3mm irregular py stringer. 216.4-218.8 zebra rock, 1.7' silic30% section, contd, disturbed	184.20	187.00	2.80	38	1300	234	80	3	3.79	2915
			187.00	188.70	1.70	69	695	112	94	8	3.67	2916
			188.70	192.00	4.30	31	340	106	138	10	3.05	2917
			192.00	196.00	4.00	21	527	55	83	13	2.01	2918
			196.00	198.40	2.40	20	1010	72	82	9	2.00	2919
			198.40	200.00	1.60	19	3300	137	80	3	3.32	2920
			200.00	202.00	2.00	12	319	114	102	3	2.72	2921
			202.00	203.50	1.50	24	1290	119	117	4	3.15	2922
			203.50	205.30	1.80	24	1930	150	101	10	3.50	2923
			205.30	207.00	1.70	32	244	155	127	9	2.83	2924
			207.00	210.50	3.50	18	149	157	96	14	3.68	2925
			210.50	213.00	2.50	17	56	250	87	9	3.97	2926
			213.00	216.40	3.40	28	400	306	261	10	4.31	2927
			216.40	218.00	1.60	133	1290	201	86	10	3.45	2928
			218.00	222.00	4.00	19	1840	99	37	9	1.92	2929
			222.00	224.00	2.00	27	1540	242	35	7	3.12	2930
			224.00	225.60	1.60	99	2830	632	293	9	3.00	2931

CHAMPION BEAR RESOURCES LTD.

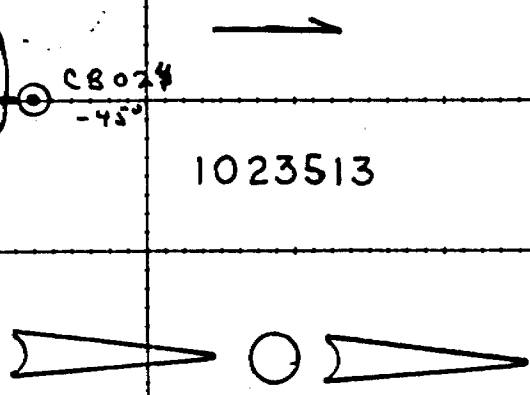
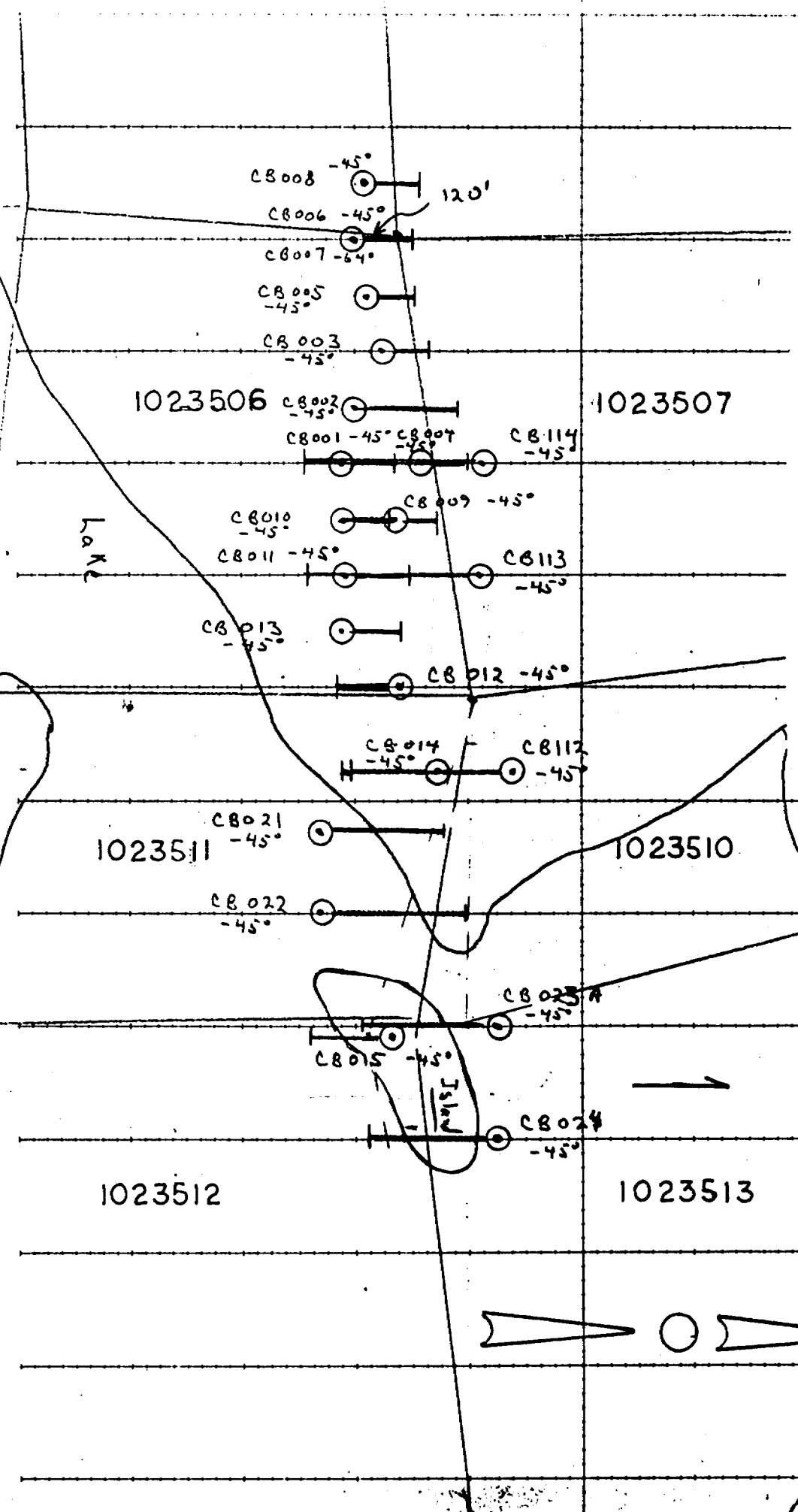
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB006

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		foliation, diss poSk, diss fg aspy(1%.										
		218.8-222.2 silic30%, diss fg aspy 1%, diss po+py 3-5%, in										
		qts-anph-bte 2% schist.										
		222.2-223.2 sebra rock, foliated at 35 to CA, 8%py in lite										
		green patches.										
		223.2-225.8 silicious, vfg, qts+anph-bte 5-10%, 2-.1' sections										
		with aspy 5-10%, f-ng blebs, py+po20% (silicified amphibolite										
		with 2 narrow(.1') silicious, mineralized sections, banded)										
		224.4-224.5 silic, mineralized po+aspy										
		225.4-225.8 silic, mineralized po+aspy										
225.8	226.0	(GRANITIC)	225.80	226.00	1.00	NIL	12	13	31	76	8.93	2932
		Pink, fg homogeneous, wk foliated at 40 to CA., wk gneissic										
		texture, kfeldspar-quartz-Ka feldspar-amphibole.										
		226.0 - E.O.B.										

3 008  
 E 007 L  
 E 005 L  
 E 009 L  
 E 007 L  
 E 008 L  
 E 006 L  
 1 000 L  
 1 001 L  
 1 002 L  
 1 001 L  
 1 003 L  
 1 004 L  
 1 005 L  
 1 006 L



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10235

Paterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB007  
 Collar Eastings: 500.00  
 Collar Northings: -200.00  
 Collar Elevation: 26.20  
 Grid: OneMan Lake

Collar Inclination: -84.00  
 Grid Bearing: 0.00  
 Final Depth: 256.00 feet

Logged by: I.E.S. Ltd. Paul Barc  
 Date: Dec. 10-11/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
0.0	5.0	(CASING)										
5.0	45.4	(GRANITIC) Pink, ng, 5% disseminated ng pink garnets.										
45.4	67.0	(AMPHIBOLITE) Black, fg, hbl 50%, qtz 40%, plag 10% schist, uniform texture, unbanded, weak foliated at 35 to CA, fg disc py 1-2%.	0.00	61.50	61.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		61.0-67.0 Bte 4%, fg along fol'a planes, py 3%, wk qtz bands.	61.50	66.00	4.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
67.0	95.0	(GRANITIC) 5% Amphibolitic inclusions. F-cg pink granitic, fg hbl 50%, qtz 30%, bte 20% schist, bte-qtz-garnet bands.	66.00	95.00	2.00	61	1300	267	110	720	3.75	2934
		Granite weakly foliated at 40 to CA, 2% py, in inclusions.	66.00	73.40	7.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		73.4-76.7 amphib. inclusion, py	73.40	76.70	3.30	6	10	331	250	31	7.79	2935
		80.2-80.7 amphib. inclusion, py	76.70	80.50	3.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		87.0-89.2 amphib. inclusion, py	80.50	91.50	1.00	24	13	266	360	4	10.34	2936
		89.9-91.4 hbl-qtz-biotite, 1' garnet 40%, py	91.50	93.50	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		93.5-95.0 hbl-bte 60%-qtz 20%-garnet 20% 1', py 2%.	93.50	95.00	1.50	14	12	131	290	2	9.16	2937
95.0	157.5	(GRANITIC) Pink, cg, f-ng garnet, pink, 5% hbl fg. Minor bte-qtz. 1-blense	95.00	157.50	62.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
157.5	162.5	(AMPHIBOLITE-WEAKLY SILICIFIED, BANDED) Inclusion? fg grey banded, hbl 60%, qtz 20%, bte 10%, ep 5%, py 5% schist, well foliated at 45 to CA.	157.50	160.00	2.50	7	4	190	63	1	6.29	2938
		160.0-161.2 po 5% 10%, 3' vuggy py irreg stringer.	160.00	162.50	2.50	11	2	369	96	1	10.06	2939
		157.5' bte 5% schist near gran contact										
162.5	192.4	(GRANITIC) Pink, ng to cg, minor peg granite, hbl 2%, weak foliation at 40-45 to CA, sharp contacts.	162.50	192.40	29.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
192.4	220.5	(AMPHIBOLITE-WEAKLY SILICIFIED, GARNETIFEROUS) Grey-black, fg, well banded hbl-qtz-ep/qtz bands. f-ng garnet banded sections, 10% po 5%, laminations, 5% minor granitic sections. 4-2'	192.40	194.00	1.60	18	45	163	140	1	6.68	2940
		194.0-196.0 qtz-ep-bte 5%, conform, po 5%, f-ng clumps, 20%	194.00	196.00	2.00	8	60	127	62	1	5.90	2941
		196.0-foliation at 35 to CA, change to 20 to CA by 212.'	196.00	201.00	5.00	5	103	185	50	4	5.81	2942
		201.0-205.0 30% garnet over. 1' tol.' sections.	201.00	205.20	4.20	13	75	112	75	2	6.00	2943
		205.2-206.0 qtz-ep-bte 5%, conform, po 5%, f-ng clumps, 20%	205.20	206.00	0.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		206.0-foliation at 35 to CA, change to 20 to CA by 212.'	206.00	209.00	3.00	5	9	79	72	7	5.34	2944
		209.0-205.2 30% garnet over. 1' tol.' sections.	209.00	211.00	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

HOLE No: CB007

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CHAMPION BEAR RESOURCES LTD.

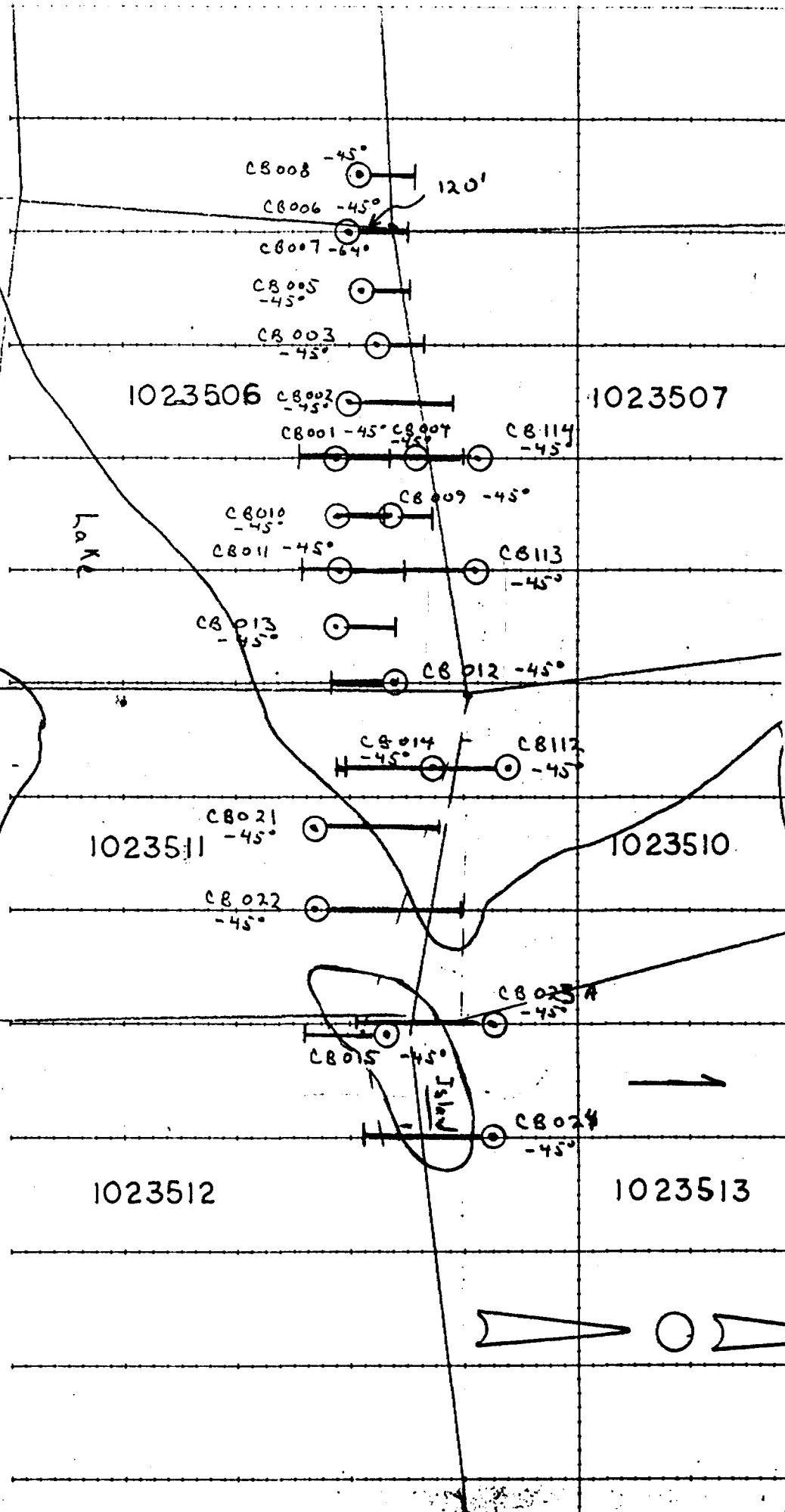
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB007

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(%)	Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
		205.2-206.0 GRANITIC, pink, cg, contact btepy, 206.0'	211.00	214.00	3.00	5	9	140	161	31	6.54	2945
		209.0-211.0 GRANITIC	214.00	216.00	2.00	13	39	107	144	28	7.17	2946
		212.0 vuggy-py stringer	216.00	218.00	2.00	16	5	149	150	12	8.47	2947
		218.6-222.5 GRANITIC, 0.8' mafic inclusion, py	218.60	220.50	1.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			220.50	221.70	1.20	16	12	25	53	31	2.10	2948
			221.70	222.50	0.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			222.50	225.00	2.50	8	17	145	64	2	6.35	2949
			225.00	227.00	2.00	14	22	227	77	2	7.89	2950
228.5	256.0	(GRANITIC) Pg to pegmatitic-pink, conformable contacts, gradual increase in grain size.	227.00	228.00	1.00	48	11	135	87	2	7.49	2951
		256.0 E.O.N.										

300 E  
 400 E  
 500 E  
 600 E  
 700 E  
 800 E  
 900 E  
 1000 E  
 1100 E  
 1200 E  
 1300 E  
 1400 E  
 1500 E  
 1600 E



SCALE 1 : 5 000

Lake

Island





*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB008  
 Collar Eastings: 450.00  
 Collar Northings: -190.00  
 Collar Elevation: 26.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 230.00 feet

Logged by: I.E.S. Ltd. Paul Barc  
 Date: Dec. 11-12/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(X)	
0.0	6.0	(CASING)										
6.0	8.6	(GRANITIC) Pink, cg to pegmatitic, weakly foliated at 50 to CA., minor bte-qtz conformable inclusions. 7.0-7.5 qtz-bte inclusion										
8.6	12.9	(AMPHIB.-MOD. SILICIFIED, BIOTITE, BANDED) Finely banded, grey green, fg white speckled schist. qtz40%, hbl30%, bte30%, minor epidote. Grey-green bands, no scale banded qtz/qltz+bte/qltz-hbl-ep. Well foliated at 50 to CA, ave.										
12.9	19.4	(AMPHIB.-GARNETIFEROUS, BIOTITE) Banded black-grey schist, garnet40%, qtz20%, hbl20%, bte20%. f-rg pink garnet concentrated into sections 1', trace po, py 17.0-18.7 fine silica alteration, vfg, qtz90%, bte25, fg diss, ave.	8.00	17.00	17.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			17.00	18.00	1.00	16	649	30	21	6	1.98	2952
			18.00	19.00	1.00	18	712	166	112	3	4.34	2953
19.4	24.8	(AMPHIB.-STRONGLY SILICIFIED, WEAK MINERALIZED) 85%qtz, 5%bte, 7%aspy, 3%py, 19.5 aspy1%, fg disseminated, py 21.0-22.3 aspy:py greatest concentration, crude banded 22.4-23.7 f-cg white granitic, contact bte+garnet 24.4 trace fg aspy	19.00	20.00	1.00	111	1320	203	79	141	4.45	2954
			20.00	21.00	1.00	208	2992	686	56	79	6.56	2955
			21.00	22.00	1.00	1857	14301	558	4674	469	6.48	2956
			22.00	24.00	1.20	180	295	50	328	44	2.04	2957
24.8	32.8	(QUARTZ-BIOTITE SCHIST) Quartz80%, biotite20%, weakly banded fg schist, grey, black (fg bte) speckled, trace diss py	24.00	26.00	2.00	75	2591	218	200	104	2.81	2958
			26.00	29.00	3.00	68	205	191	49	77	2.09	2959
			29.00	32.00	3.00	54	2992	224	295	218	2.88	2960
32.8	44.2	(AMPHIB.-MOD. SILIC'D, GARNETIFEROUS, BIOTITE) 48% f-cg pink garnet, 40%qtz, fg bte 5%, hbl 5%, <<5%aspy:py aspy in .1-.3' sections(3), +garnets, ave in other sections. Weak foliation, banding(bte-qtz) at 50 to CA.	32.00	34.00	1.20	51	2212	104	372	94	5.10	2961
			34.00	35.50	1.50	161	10255	212	171	15	4.45	2962
			35.50	40.00	4.50	9	207	161	33	7	3.25	2963
			40.00	44.10	4.10	NIL	235	95	37	6	3.46	2964
44.2	51.1	(QUARTZ-BIOTITE-PHYROCLASTIC SCHIST) Amphibolite-strongly silicified? Grey-qtz80%, braided; fg po20%, bte15%, hbl5%, weakly foliated at 50 to CA. Augen-qtz-eyes texture-appearance of siliceous breccia cemented by fg po+bte+hbl matrix(qtz fragments<1cm> to cm, subrounded, 30%)	44.10	46.00	1.90	18	900	208	206	30	7.68	2965
			46.00	48.00	2.00	82	210	491	219	21	11.80	2966
			48.00	50.00	2.00	47	201	394	131	16	9.25	2967
			50.00	51.10	1.10	43	3	413	84	8	11.73	2968

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO08

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Ce(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
51.1	67.2	(AMPHIB.-GARNETIF. SECTIONS, WEAK SILIC'D, BIOTITE) Gradational from previous unit. grey-green banded, well foliated, banded on m to cm scale, foliated at 50 to CA, minor, 1-2' sections at 30 to CA. Inhomogenous texture, garnetiferous sections, 1'-4', 70% of section, up to 60% fg-cg pink garnet, po+py to 10%, traces fg aspy, diss+mn stringer 51.7-55.9 GRANITIC, fg white foliated dike, pyl-2mm stringers. 56.0-56.7 aspy 2X, fg, in garnet-qtz-bte schist, po>2X.	51.10	63.00	1.00	30	132	170	100	2	8.17	2969
			53.00	56.00	3.00	10	238	194	152	3	6.30	2970
			56.00	57.00	1.00	31	1238	153	43	1	6.47	2971
			57.00	59.00	2.00	20	146	136	70	1	6.65	2972
			59.00	61.00	2.00	6	146	107	59	1	7.10	2973
			61.00	63.00	2.00	6	179	197	81	1	8.20	2974
			63.00	67.20	4.20	7	134	136	59	3	5.95	2975
67.0	70.0	(AMPHIB.-WEAK SILICIFIED, WGT BANNED) Green-black, minor fine pale qtz-bands, uniform texture, hb100%, qtz30%, ep10% schist 2-3% fg diss po+py, +mn conf. stringers.	67.20	70.00	2.80	22	43	114	52	5	4.82	2976
70.0	73.9	(GRANITIC) Pink, ng to cg, sharp upper ct, gradual lower ct., bte-qtz-po 20% schist near contact.	70.00	73.90	3.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
73.9	84.1	(AMPHIB.-MOD SILICIFIED, BANDED) Inhomogenous texture, m to cm banded-qtz-ep. Green-grey black banded. hb140%, qtz30%, bte10%, ep10%, po+py10%, 4% conformable mn stringers. 74.0-75.3 qtz-bte-po+py banded, po+py10% 77.0-81.0 weak banded-qtz 75.8-76.0 mg granitic dike 79.8 garnetiferous-ep-qtz-bte schist-loc.	73.90	75.00	1.10	23	3	209	131	1	8.32	2977
			75.00	77.00	2.00	21	48	116	116	3	6.49	2978
			77.00	79.00	2.00	8	77	112	30	1	3.69	2979
			79.00	81.50	2.50	16	23	121	91	4	5.81	2980
			81.50	84.00	2.50	16	8	133	60	1	5.60	2981
84.1	105.4	(GRANITIC) Pg(top) to cg(bottom), pink, minor mafic-bte inclusions, 5-1', 3	84.00	85.40	1.40	27	5	94	189	1	9.35	2982
			85.40	105.40	20.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
105.4	162.7	(AMPHIB., WE/MOD SILIC'D, BANDED, GARNETIF) Pale green, colour variable, banded, qtz, 40% m to cm bands, white, qtz30%, hb130%, garnet20%, bte10%, ep10%, well foliated at 75 to CA, 105.4', 45 to CA., 147.0'-variable orientation. Garnetiferous sections, inhomogenous distribution, patchy, (0 to 30%, over sections (1' to 2')), f-ng pink. Bte greatest concentration in garnetiferous sections. Minor sections of uniform colour, absence of banding. diss fg po+py to 30% over sections 5-1'. (43po+py105-162') Minor granitic dikes, 4-2' 129.0-130.0 Strongly silicified, 75% qtz, py20%, bte5%, cpy1% "braided qtz+sulfides"	105.40	110.20	4.80	7	41	130	146	13	6.96	2983
			110.20	115.20	5.00	5	105	103	141	19	4.98	2984
			115.20	119.90	4.70	6	39	144	40	22	2.33	2985
			119.90	127.00	7.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			127.00	129.00	2.00	9	31	142	49	6	4.53	2986
			129.00	131.00	2.00	19	265	231	63	2	9.63	2987
			131.00	133.00	2.00	19	290	135	30	2	6.12	2988
			133.00	135.00	2.00	14	87	142	43	4	5.81	2989
			135.00	138.00	3.00	16	98	96	36	3	5.77	2990
			138.00	139.20	1.20	11	359	167	36	5	6.39	2991
			139.20	143.30	4.10	14	433	117	70	6	6.31	2992
			143.30	145.00	1.70	48	750	142	63	8	5.00	2993

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: C8008

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
		119.0-128.0 Fg, dark green, uniform text., unbanded.	145.00	148.20	1.20	35	168	143	69	8	7.63	2994
		130.6 po .2' conformable massive sulfide	148.20	150.70	2.50	25	446	115	52	9	5.05	2995
		148.2-148.8 weak zebra rock texture, fol'n change to 20 to CA.	150.70	152.70	2.00	10	23	16	28	35	1.22	2996
		144.5-145.3 qtz±80%, irreg ep-po band, 2cm, py blebs.	152.70	154.00	1.30	15	24	175	45	2	6.83	2997
		150.7-152.7 GRANITIC, pink, ag, foliated at 30 to CA.	154.00	156.00	2.00	19	24	161	67	4	7.17	2998
		152.7-158.0 Strongly silicified, 60%qtz, po±py, 30% sulfide, weakly braided texture.	156.00	158.00	2.00	17	29	113	51	4	5.17	2999
		160.0-160.1 massive py±qtz±10%, conformable stringer	160.00	161.50	1.50	22	28	156	104	2	11.04	3001
162.7	167.7	(AMPHIB.-STRONGLY SILICIFIED, MINERALIZED)	161.50	163.00	1.50	24	297	110	178	4	6.48	3002
		Silicious section? Grey/black banded, qtz±70%, bte±10%, hb±5%, 15K dias po±py-conformable as stringers. Aspy±K; dias±conf. as stringers, traces sss±cpy	163.00	165.00	2.00	41	1711	189	174	7	7.54	3003
		164.0-167.0 70%qtz-bte weakly braided schist, dias aspy, 164.0 trace sss	165.00	167.70	2.70	80	2106	103	710	3	5.44	3004
167.7	174.6	(GRANITIC)	167.70	174.60	6.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Pink, ag to pegmatitic, weakly foliated, conformable contacts.										
174.6	176.3	(AMPHIBOLITE-MOD. SILICIFIED, NIOTITE)	174.60	176.30	1.70	15	1465	159	651	34	4.93	3005
		Black-grey, fg, nonbanded, qtz±50%, hb±40%, bte±5%, weak fol'd at 55 to CA., dias py±2%.										
176.3	177.0	(SILICIOUS, MINERALIZED)										
		Sharp upper contact, gradual lower contact. 60%qtz, 20%aspy, 10%py, 10%ss, traces fg bte-2-3%. Weakly foliated to irregular stringers±bands; qtz±qtz±sulfides. Sulfide section interrupted by conformable fracture-fault? ie: qtz±sulfides. 2' /qtz-ep-hbl-bte. 2' /qtz±sulfides. Sulfides as blebs to cm size (aspy)±irregular stringers to 5cm wide/3' length.										
177.0	181.9	(AMPHIB.-MOD. SILICIFIED, MINERALIZED, BANDED)	176.30	177.30	1.00	31	14636	428	7269	99	5.82	3006
		Gradational from previous unit. Grey/pale green banded, fg, qtz±50%, ep±20%, bte±20%, 3%py, 2%aspy-sulfides as fg dias±conformable stringers. Traces dias sss fg	177.30	179.20	1.90	99	2213	445	4890	68	6.85	3007
		178.8 no conformable sss band in qtz-ep-bte (pale green band) 10% py, 1-2% aspy	179.20	181.90	2.70	6	477	346	835	19	4.41	3008
		177.5 sss trace										
		179.2 sss trace										
		Sulfide content dec to 5%, qtz to 30% sharply, by 181.9' decrease, absence of banding, foliation at 50-60 to CA., minor section 70 to CA.										
		180.5 coating on conformable fracture-talc like.										

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB008

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
181.9	187.9	(GRANITIC) Pink, pegmatitic to 184.5', fg pink-white to 187.9', weakly foliated at 60 to CA. 2-.2' conformable 70%bte-20%qts-10%py inclusions	181.90	184.40	2.50	22	25	50	164	28	2.44	3009
			184.40	187.90	2.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
187.9	192.1	(AMPHIB.-WK ZEBRA BANDED, WE SILIC'D, MIN'D SECT.) Green-pale green banded, wk zebra texture on small-scale dark/green bands-patches 80%; hbl-sp-qtz-py, lite bands 20%; qtz-sp-py-py, fg conformable as stringers, 4% 187.9-weak contact bte-granitic lower contact, py5% 189.0-189.2 SILICIFIED, MINERALIZED Qtz30%-augen, bte10% schist, aspy40%, py20% weakly banded, conformable, qtz-bte/Qtz-sulfide traces are in hanging wall-qtz-bte banded schist, sharp; lower contact	187.90	188.90	1.00	14	379	163	357	10	5.33	3010
			188.90	190.00	1.10	629	21519	312	349	9	7.15	3011
			190.00	192.00	2.00	31	375	720	214	2	7.01	3012
192.1	195.2	(AMPHIB.-ZEBRA ROCK) 60% pale-grey/green bands+patches-qtz80%, op10%, f-ng dissepy 10%. 40% dark green patches-hbl70%, qtz10%, 20% fg disse py patches size range from mm to .1', subangular to rectangle shaped. To 194.2'-well foliated at 60 to CA., variable. 191.0-192.9 bte80%-plag10%-qtz10% schist 194.2-195.2 foliation highly contorted.	192.00	195.00	3.00	13	117	325	77	3	5.08	3013
195.2	197.3	(BIOTITE-AMPHIBOLS SCHIST) bte35%, hbl35%, qtz15%, garnet(5%, py 10% Gradation from qtz30%, hbl+sulfide banded; an py bands-20%, to bte70%, qtz15% schist, fg pink garnet 5%, disse py 10%, trace ng aspy(1-2%) 197.3 py10%-conformable stringer .5cm near granitic ct.	195.00	197.30	2.30	167	609	295	453	2	8.97	3014
197.3	199.8	(GRANITIC) Cg, pink	197.30	199.80	2.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
199.8	224.1	(AMPHIB.-WEAKLY SILICIFIED) Grey-black, fg, hbl70%, qtz25%, bte+sp+py5%, weakly fol'd at 45 to CA. Minor x-cut .5mm qtz bands. Uniform texture except for 3-.5' sections moderately silicified, mineralized. qtz+hbl+bte+py10%, trace aspy 203.4-204.2 mod. silicified, qtz qtz70%, bte20%, 3hpy, 5%py, 1-2% aspy. lcn catd stringer, weakly crenulated fabric. 209.8-211.8 mod. silicified, qtz35%, bte55%, py10%. lknaspy weakly banded, gradual contacts. 210.5-213.5 py2%, trace aspy 215.2 fg aspy disse+conformable as stringer in qtz band	199.80	203.00	3.20	10	688	163	36	10	2.01	3015
			203.00	204.40	1.40	123	9559	270	311	1	5.87	3016
			204.40	207.00	2.60	39	1713	316	110	4	5.79	3017
			207.00	209.20	2.20	48	1743	288	97	13	2.34	3018
			209.20	210.90	1.70	130	3013	256	256	8	6.32	3019
			210.90	214.00	3.10	53	2725	198	68	7	2.73	3020
			214.00	216.00	2.00	50	2515	199	31	8	2.35	3021
			216.00	218.00	2.00	11	697	131	28	3	1.81	3022
			218.00	220.00	2.00	30	279	171	45	7	3.10	3023
			220.00	222.00	2.00	31	570	148	34	8	1.96	3024
			222.00	224.10	2.10	23	125	322	174	87	2.74	3025

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB008

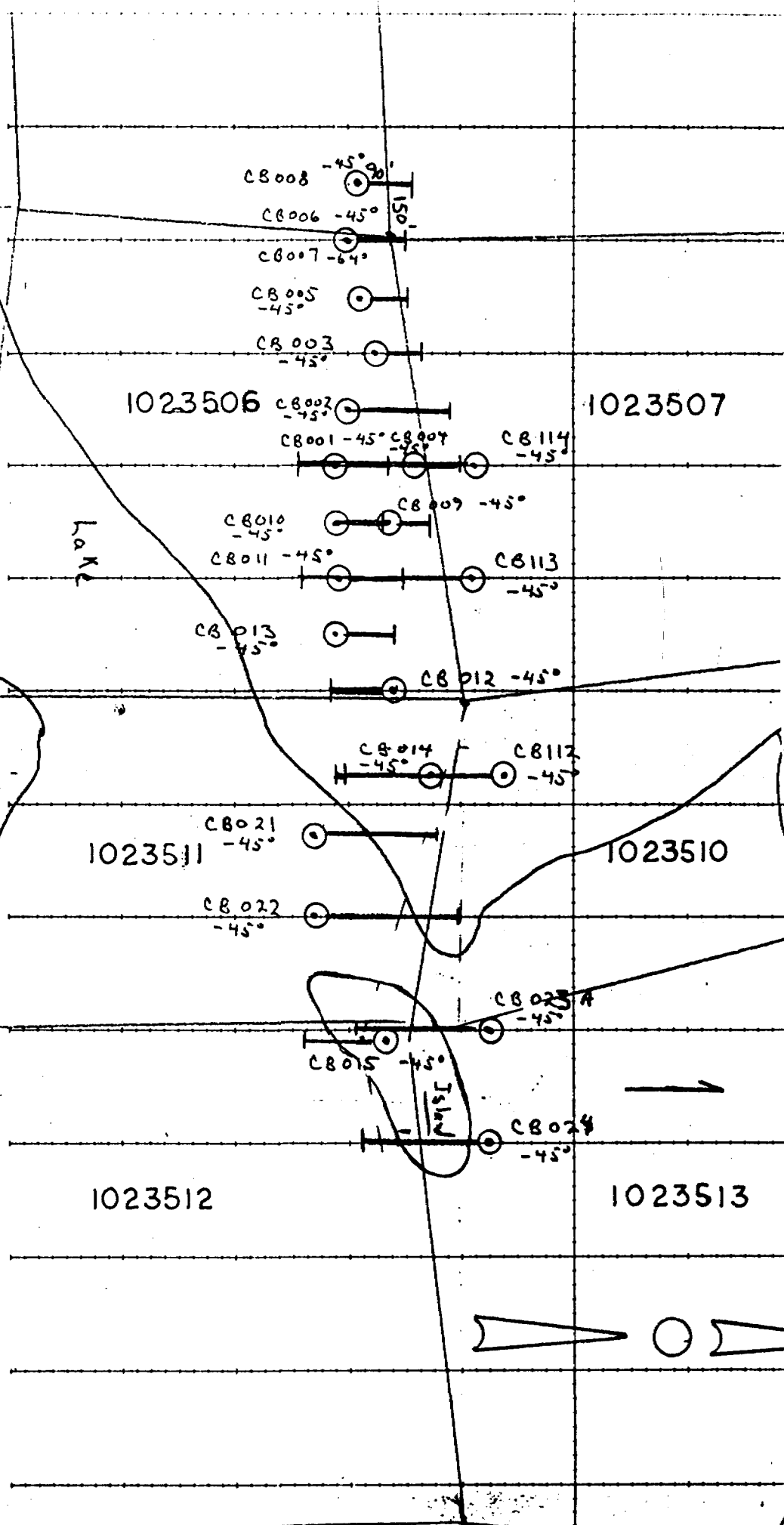
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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(X)	Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
224.1	230.0	(GRANITIC) Pegmatitic(top) to fg,uniform comp'n,grain size,weak fol'd minor bte-qtz-garnet inclusions-remolite?										
	230.0	- E.O.H.										

HOLE No: CB008

E 008  
 E 007  
 E 005  
 E 009  
 E 007  
 E 008  
 E 006  
 E 0001  
 E 0011  
 E 0021  
 E 0031  
 E 004  
 E 005  
 E 006



SCALE 1 : 5 000



Paterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB009  
 Collar Eastings: 750.00  
 Collar Northings: -165.00  
 Collar Elevation: 32.60  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 186.00 feet

Logged by: I.E.S. Ltd. Paul Barc  
 Date: Dec. 13-14/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	Au(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(S)	
0.0	7.0	(CASING)										
7.0	14.2	(AMPHIBOLITE-UNALTERED) Black,fg,hbl75X-qts20X,ep5X,weak white speckled(qts) Weakly foliated at 45 to CA.Minor(2X)fg diss py conformable on stringers-2X.Uniform composition,texture. 14.2 lca. fault gouge?vfg-serpentinized mafic?	0.00	12.00	12.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			12.00	14.20	2.20	NIL	18	113	95	13	1.64	3026
14.2	25.4	(GRANITIC) Pegmatitic90X,cg10X,pink,10X ng pink garnet in cg phases.										
25.4	28.0	(AMPHIBOLITE-WEAKLY ALTERED) Black,fg,similar to previous unit,hbl100X,qts30X,bte3X,ep3X diss fg py along fol'n planes-4X,inhomogeneous distribution.	14.20	28.60	12.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			28.60	27.50	1.00	5	10	160	81	7	2.10	3027
28.0	151.0	(AMPHIBOLITE-WEAK BANDED) Black,fg,white speckled,hbl75X,qts20X,ep5X,minor bte. Weak foliated at 45 to CA.Minor(5X) conformable on qts banding,irregular qts-ep bands+fracture-qts fillings. Bte 5-10X,f-ng,over 1-2' sections,avs.Minor py,trace aspy. 40.5-41.0 lca qts-ep-pel10X,trace cpy? 49.0-50.5 GRANITIC,white contact bte 1-2cm. 53.7-54.2 Peculiar fg plag-qts-red mineral(hematite?)=black mineral,fine banded,talc?,fault? 59.0-64.4 Pink,cg granitic,5X pink fg garnets,fractured. 64.2-64.8 Broken core-serpentinized mafic? 64.8-80.0 increase in qts banding to 20X 108.0-109.0 irregular to conformable qts-ep banded 108.6- 1cm irreg qts60X,ep30X,py10X,trace fg aspy. 147.1-147.2 .1"conformable qts50X,ep20X,hbl10X,py20X	27.50	49.50	13.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			40.50	41.60	1.10	NIL	7	270	19	7	1.92	3028
			41.50	53.00	11.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			53.00	54.00	1.00	NIL	17	52	42	10	3.04	3029
			54.00	64.00	10.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			64.00	85.00	1.00	11	13	30	30	34	2.20	3030
			85.00	100.00	15.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			100.00	109.00	1.00	0	221	250	39	12	1.76	3031
			109.00	150.40	41.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
151.0	171.4	(AMPHIBOLITE-ALTERED-NOD.SILICIFIED-BIOTITE) SECTIONS Pale green-black,fg,qts to 60X,hbl20X,bte10X,ep5X,aspyl-2X, py3-4X,sections well foliated at 45 toCA.Granitic dikes (2-2'),3.5"section 70X bte.Variable composition.Banded qts+silicified/bte schist/banded. 151.5-153.5 1.5"GRANITIC qts-Kfeldspar-ng-peculiar deep orange coloured K-feldspar,anastomosed x-fractures with py.granite-brecciated texture. .5"qts50X,bte30X,ep10X,py10X-conf.nu stringers.	150.40	151.40	1.00	5	18	227	617	161	7.43	3032
			161.00	163.30	1.70	90	43	841	430	209	2.79	3033
			163.30	164.30	1.00	143	57	340	1555	840	7.82	3044
			164.30	165.40	1.10	35	40	172	234	211	2.24	3034
			165.40	166.40	1.00	120	46	555	173	43	6.18	3035
			166.40	168.70	2.30	749	2739	1263	372	11	12.11	3036
			168.70	161.60	2.90	400	4790	809	81	42	5.30	3037
			161.00	164.10	2.50	607	849	1051	105	24	9.26	3038
			164.10	166.00	1.90	154	1372	1122	72	19	7.48	3039

HOLE No: CB009

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB009

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		on top/bottom contacts, banded.	166.00	168.00	2.00	74	521	561	40	14	5.71	3040
		154.1-155.4 GRANITIC mg, deep orange colour k-feldspars.	168.00	170.00	2.00	54	33	818	45	8	5.81	3041
		155.4-156.4 highly silic'd, 70% qtz, 10% bte, 5% hbl, py 15%.	170.00	171.40	1.40	33	14	823	451	15	7.72	3042
		156.4-158.6 BIOTITE schist-f-cg bte 70%, qtz 20%, py interstitial vein stringers 10%. Weak braided-conformable-texture. Qtz-eyes to 1-2cm. Weak foliation at 25 to CA. 5cm aspy 30% py 20%, qtz 50% conf.										
		158.6-164.0 wk banded, disc py 10%, aspy 2%, 7mm aspy 60%, qtz 40% conformable										
		161.7-161.8 qtz 50%, py 30%, bte 15% hbl 4%, aspy 1% wk brecciated.										
		161.9-163.7 highly silicified										
		163.7-164.8 py 60%, qtz 20%, bte 15%, red mineral (hem?) - po 5%, banded.										
		164.0-164.5 py 10%, fg aspy 8%.										
		164.5-171.4 banded-qtz 40%, hbl 50%, 8% py, aspy 1-2%, bte? py inc to 30%, 1' to granitic contact.										
171.4	186.0	(GRANITIC) Pink, fg, uniform grain size, sharp contact, x-cut? at 40 to CA. Minor peg. phase. fg phase = hbl 10%. Weak foliated.	171.40	172.50	1.10	NIL	13	98	224	120	2.25	3043
		186.0 - R.O.B.										



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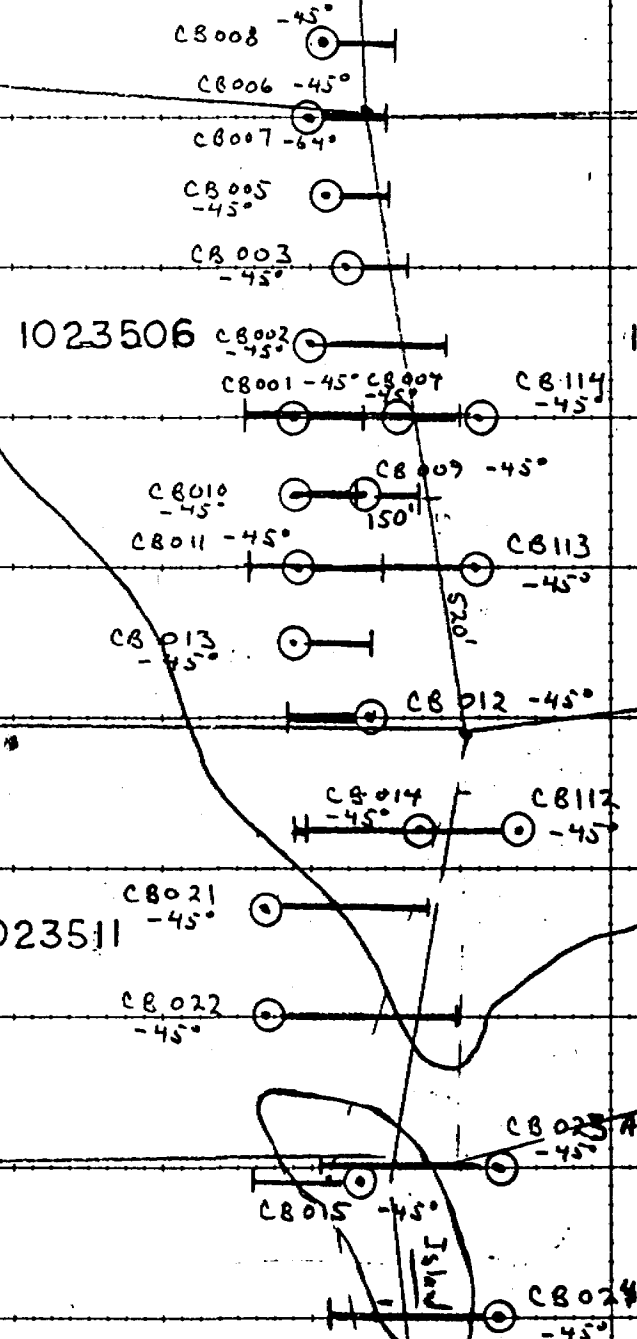
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Lake

Island



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*Palenser*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB010  
 Collar Eastings: 750.00  
 Collar Northings: -210.00  
 Collar Elevation: 29.30  
 Grid: OneMan Lake

Collar Inclination: -46.00  
 Grid Bearing: 0.00  
 Final Depth: 206.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Dec. 14-15/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
0.0	9.0	(CASING)										
9.0	28.4	(AMPHIBOLITE-ALTERED-WEAKLY SILICIFIED) Grey-white speckled, f-ng, white/pale green an to cu bands 20X-qtz/qtz+epidote bands. hbl50X, bte10X, qtz30X, epl0X traces fg potpy, minor conformable an bands. Inhomogeneous texture, well foliated at 50 to CA. Banding increases to bottom of section (qtz-ep bands) Biotite irregularly dist'd along fol'n planes. Minor fracturing. 9-10 broken core-surface 24.-26. weak zebra texture, disc potpy5X-in pale green bands (qtz-ep), trace aspy.	0.00	23.00	23.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			23.00	25.00	2.00	20	89	180	106	22	4.21	3045
28.4	32.0	(GRANITIC) White, ng, bte 20X, weak foliated at 50 to CA. 31.2-31.4 hbl-qtz inclusion-xenolith	25.00	32.00	7.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
32.0	34.7	(AMPHIBOLITE-ALTERED-WEAK SILICIFIED) Grey-black, foliated, absence of qtz banding, uniform text., composition. hbl35X, qtz30X, bte20X, epl0X, py+po5X, sulfide as fg disc-conformable an stringers, f-ng bte along fol'n planes, potpy.	32.00	34.70	2.70	10	17	103	117	4	4.98	3046
34.7	37.0	(GRANITIC) White, cg, x-cut upper contact, py5X, along interstices. H-spar50X, qtz40X, hbl5X.										
37.0	37.5	(AMPHIBOLITE) Inclusion-xenolith? Similar to previous mafic section.										
37.5	50.7	(GRANITIC) Pink, cg to pegmatitic, wk to unfoliated, weak graphic gran. texture, conformable contacts.	34.70	50.70	16.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
50.7	55.8	(AMPHIBOLITE-ALTERED-MOD. SILICIFIED, GARNETIFEROUS) SECTIONS Green white banded, fg, sections (1' to 3') f-ng pink garnets to 70X. Banded sections well foliated at 40 to CA., change to 60 by 56.0'. Garnetiferous sections 50X to 65.0'.	50.70	55.80	4.90	15	10	193	98	11	7.79	3047
			55.80	60.50	4.90	25	111	207	136	20	7.73	3048
			60.50	63.00	2.50	20	103	135	42	7	4.97	3049
			63.00	65.80	2.00	13	71	149	39	2	5.91	3050

HOLE No: CB010

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB010

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Garnetiferous sections-garnet40%,bte30%,qtz15%,py5%,ep Banded sections-Qtz-ep bands in qtz-hbl-ep;py5%schist, py as an conformable stringers.Qtz-ep an to cn bands to 60% of sections. 50.7-55.6 Banded,50%qtz,py20%,ep25%,hbl15%,bte20% over.5' 2-.2' garnetiferous70% sections. 55.8-60.5 4-.2-.5'garnet sections.bte>10%.py10% 60.5-63.0 Banded,mod.silicified..1'garnet section,py5%. 63.0-65.8 py5%.										
65.8	67.8	(SILICIOUS,MINERALIZED) Qtz65%,ep10%,hbl15%,pl10%,py10%,weakly braided texture; Qtz subrounded pebble-clasts 50% in ep-qtz-py matrix, sharp contacts.	65.80	67.80	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	3050
67.8	102.3	(FRAGMENTAL-MAFIC/SILICIOUS) Green+white,angular to subrounded clasts,to cobble size, in a silicious/garnetiferous+btvqtz matrix.Matrix supported,30%qtz pebble fragments,30%ep-hbl cobbles, reaction rim.Py to10%,traces aspy in silicic sections. 67.8-75.3 Garnetiferous sections 60%,minor irregular- qtz-ep-py(5-10%) banding around .2-.4'garnetiferous clasts-matrix?Ep-hbl-qtz clasts?to pebble size,30%. No qtz clasts-mafic fragmental? 75.3-84.5 Banded,moderately silicified,minor sub- rounded qtz clasts 2-3cm,5%,esp.80-82',86-88',also ep- hbl-qtz ng pebble size clasts,60%,80-82'. 84.5-88.8 30%garnetiferous sections,garnet sections wrap qtz clasts(garnet-hbl matrix,20%qtz clasts-pebble size, 30% ep-hbl-qtz fragments) 88.8-102.3 (ahomogenous texture,minor garnetiferous sections-clasts?Mg ep-hbl-qtz-plag20% pebble fragments40%, in 40% qtz/30%bte+ng epidote,py10% matrix.Weak banded qtz-ep,an scale 100.0-100.05 po80%,qtz20% conformable band-clast?	67.80	71.00	3.20	7	109	104	31	3	4.32	3051
			71.00	75.30	4.30	94	106	176	50	2	6.74	3052
			75.30	80.00	4.70	14	203	269	60	2	7.32	3053
			80.00	84.50	4.50	11	206	123	40	1	4.99	3054
			84.50	88.00	3.50	15	52	107	35	1	5.41	3055
			88.00	92.00	4.00	8	326	103	52	2	4.55	3056
			92.00	94.00	2.00	11	279	109	35	3	4.24	3057
			94.00	96.00	2.00	7	363	118	37	2	5.06	3058
			96.00	98.00	2.00	10	409	125	39	2	5.32	3059
			98.00	100.00	2.00	31	245	116	51	3	5.54	3060
			100.00	102.30	2.30	7	179	99	317	18	8.43	3061
102.3	121.7	(FRAGMENTAL-SILICIOUS) Minor pebble to cobble clasts;qtz60%-ep20%-py30%,aspyl-2%, (.1-1').Matrix qtz+ep,bte20%,hbl15%,py.10% ep-plag-hbl cg,rounded fragments-clasts. Increasing hbl.to10%,decreasing bte in matrix to base of section.Minor mafic dike,with hw/fw alteration,ghosta- relic outlines of clasts near/within mafic dike(109.4'- 115.0').	102.30	103.00	1.30	6	333	94	125	23	3.61	3062
			103.00	105.00	1.40	116	4301	202	148	30	4.31	3063
			105.00	107.00	2.00	10	379	235	307	40	8.71	3064
			107.00	109.40	2.40	18	397	224	305	55	5.76	3065
			109.40	113.00	3.60	6	720	120	62	11	2.81	3066
			113.00	115.00	2.00	7	186	116	43	10	2.86	3067
			115.00	117.00	2.00	5	1318	141	44	13	2.78	3068
			117.00	119.00	2.00	7	1960	63	94	10	2.53	3069

HOLE No: CB010

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB010

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		102.3-106.0 Silicious,qtz50%,ep10%,po+py40%,trace aspy Braiddd schist,qtz clasts-augens?in ep-po-py matrix. 106.0-109.4 Banded schist,increase in ep-bte-qtz bands towards top of fg mafic dike.relict clast outlines,hbl-bte quartz composition-replacement mineralogy?Weak crevulated qtz-ep-hbl schist,py10%.Contact margin with mafic dike. 109.4-113.0 Mafic dike,vfg hbl45%-qtz45%-ep10%,uniform massive texture,nonbanded,2-.5' clast-ghost outlines, ep-qtz-py5%,cobble size. 113.0-116.8 Contact margin with mafic dike,cf.106-109.4', bte10%,relict clast textures,60%qtz-ep30%-bte10%,hbl20% clasts-pebble size. 116.8-121.7 NW of mafic intrusive,inc in hbl content,to >60%,decrease bte to10%,ghosts of fragments-relicts,qtz bte-ep-hbl-trace aspy19.0',20%fragments,-1-.7' 121.5-121.7 Ssappy in qtz50%-bte20%-ep10%hbl15%schist.	119.00	121.70	2.70	21	2354	105	109	11	2.37	3070
121.7	198.7	(MAFIC INTRUSIVE) Black,vfg,weak foliated at30to CA.,pale green irregular ep50%qtz40%py10%,hbl am to cm bands,60%,decrease to4%by 198.7'.Uniform texture,mineralogy.Minor ghost-clast out- lines visible to 126.4',+aspy+sau. 121.7-126.4 ep-qtz-py stringers 60% to 10% by126.4. 126.5-126.4 Silicic fragment-ghost?for true mafic intrusive contact,qtz30%-ep10%hbl20%-py40%,traces aspy,ss3%-3m stringer,fast silicious fragment. 121.7-138.0 diss py5% 138.0-198.7 pyl-2% 153.0-153.7 Granitic dike,white,cg,conformable 156.2-157.3 " " " " " " " " " " " " 195.0-195.2 ep-qtz-py10% conformable band 194.0 red mineral-hematite? in green band. 196.7 r-cut foliation-flow banding contact.	121.70	125.00	3.30	28	4117	136	48	12	2.87	3071
			125.00	130.40	1.40	37	1290	262	4135	20	5.75	3072
			130.40	131.00	4.60	11	2120	143	88	20	2.29	3073
198.7	206.0	(GRANITIC) Pink,cg,pegmatitic,minor graphic granite texture,cg pink garnets2%,conformable contact at 55 toCA.										
		206.0 - E.O.H.										

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CB005 -45°

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CB010 -45°

CB009 -45°

CB011 -45°

CB113 -45°

CB013 -45°

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CB015 -45°

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Lake

Island



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102

*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB011  
 Collar Eastings: 800.00  
 Collar Northings: -210.00  
 Collar Elevation: 28.40  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 266.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Dec. 16-17/90  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
0.0	7.0	(CASING)										
7.0	13.0	(AMPHIBOLITE) dark green, fine grained, foliated at ~50-55 to C.A.; 20-25 % amph., 40-50 % plag., minor silicification in narrow bands and along minor x-fractures; minor disseminated Py, Po, traces Aspy; 11.5 - 13.0 increase in alteration, silicification; 2-5 % disseminated and fine stringers Py, 1-1.5 % Aspy	7.00	10.50	3.50	104	3077	122	613	170	1.74	3074
			10.50	13.00	2.50	154	3294	299	1355	30	4.96	3075
13.0	14.0	(GNEISS) pinkish grey; medium to coarse grained; irregular color and texture; foliated at ~55 to C.A.	13.00	13.00	0.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
14.0	14.6	(AMPHIBOLITE) as above; 3-5 % fine stringers Py										
14.0	21.2	(GNEISS DIKE) mottled, medium grained; 70 % plag., 15-20 % amph., minor biotite, foliated at ~55 to C.A.; contains assimilated amphibolite; sharp contacts	13.00	14.70	0.00	25	209	385	803	20	4.51	3076
			14.70	21.20	6.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
21.2	46.2	(AMPH-QTZ-BIO SCHIST) mottled dark green, fine to medium grained with fine amph. sections; minor silicification; medium grained amph-bio rich sections generally contain 2-8 % disseminated and stringers Py and disseminated Po; minor epidote; overall 1-2 % sulfides; gradational lower contact 32.0 - 37.1 - fine grained amph., relatively massive 37.1 - 38.0 - very fine grained, dark green; possible dike? moderately fractured with silicified veinlets 38.0 - 40.0 - unfractured 40.0 - 42.0 - light and dark epidote and amph. rich bands interbanded finely and highly contorted and folded	21.20	23.50	2.30	40	56	327	484	10	4.60	3077
			23.50	26.00	2.50	53	58	272	395	13	5.32	3078
			26.00	29.00	3.00	48	46	242	142	12	4.83	3079
			29.00	31.50	2.50	27	66	123	75	7	4.19	3080
			31.50	34.50	3.00	17	77	123	62	5	3.87	3081
			34.50	38.00	3.50	15	31	196	66	2	3.83	3082
			38.00	41.00	3.00	16	51	130	47	4	2.76	3083
			41.00	46.20	5.20	24	104	172	110	17	4.56	3084
46.2	63.0	(AMPH-SIL INTERBANDS Zebra Rock) dark green, fine grained amphibolite, vaguely brecciated with irregular bands and fragments of greyish, fine grained siliceous material; siliceous material constitutes 50 % of rock and is generally mineralized with 2-15 % sulfides;	46.20	48.00	1.80	37	758	365	310	43	4.83	3085
			48.00	50.00	2.00	95	1754	167	70	170	3.87	3086
			50.00	52.00	2.00	54	1233	119	64	153	3.71	3087
			52.00	56.00	4.00	103	4327	94	29	73	3.65	3088
			56.00	59.00	3.00	44	311	231	72	31	4.51	3089

SOLE No: CB011

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB011

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		mainly Po, lesser Py, minor Sphal. and Aspy; sulfides are fine disseminated to irregular semimassive stringers	59.00	63.00	4.00	40	181	362	121	34	7.58	3090
		48.9 - 49.3 - 1-2 % coarse crystal aggregates Aspy										
		60.1 - 63.0 - 10 % Po, 2-5 % Py, traces Sphal. and Aspy; x-fracture with 5 mm Po filling near bottom of section										
63.0	66.5	(QUARTZ-ANPH. VSIM) mottled white and green, 2-4 % PyPo traces Aspy; 1 cm coarse biotite at lower contact	63.00	66.50	3.50	NIL	312	355	54	29	2.84	3091
66.5	86.0	(QTZ-ANPH-GARNET SCHIST) (sil'd & mineralized) crude disrupted color banded due to alternating irregular anph. silica and garnet rich sections, minor biotite overall 5-8% Po, 2-3% Py, minor Sphal and Aspy	66.50	68.00	1.50	20	85	887	11205	27	11.40	3092
		68.00 - 68.00 - 9.00	68.00	68.00	9.00	6	689	443	914	37	2.83	3093
		68.00 - 68.00 - 1.00	68.00	68.00	1.00	34	974	810	1186	33	9.10	3094
		68.00 - 73.50 - 3.70	68.00	73.50	3.70	20	400	301	85	14	5.42	3095
		68.5 - 68.0 - 10 % Po Minor Py, 1-3% Sphal. in semi massive stringers	73.50	76.00	2.50	40	435	140	40	8	5.12	3096
		76.00 - 76.00 - 3.00	76.00	76.00	3.00	17	770	208	57	14	6.01	3097
		76.00 - 82.70 - quartz-anph.	76.00	82.70	3.70	14	624	71	30	12	4.00	3098
		82.70 - 86.00 - 30 % Po, lesser Py, 1% Sphal., scattered crystals Aspy	82.70	86.00	3.30	26	421	125	54	3	6.56	3099
		86.0 - 86.0 - moderately to highly silicified										
		78.5 - 80.2 - 60-70 % medium grained garnets										
		84.3 - 84.8 - 70 % garnets, 2 % Py										
		gradational lower contact with rock below marked by absence of garnets										
86.0	92.0	(ANPH & SIL INTERBANDSD) (Zebra Banding) similar to above rock with absence of garnets; 3-5 % PoPy, traces Aspy	86.00	90.00	4.00	34	1410	174	45	5	6.00	3100
92.0	99.6	(GRANITE DIKE) pinkish, medium grained, relatively massive; sharp upper contact; lower contact contaminated and mineralized .5' - 10 % Py, 5 % crystal aggregates Aspy; 40 % anph. material.	92.00	99.60	9.60	15	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
99.6	101.2	(MINERALIZED CONTACT) 30 % sil'd. 20 anph and bio, 20 % garnet, 10 % Py, 5 % coarse clusters Aspy crystals										
101.2	117.7	(ANPH AND SIL INTERBANDSD) (weak zebra banding) 65-70 % anph bands, 30 % sil. bands; crude irregular banding, well foliated at 75 to C.A.; 2-5% disseminated and fine stringers PoPy, 1% disseminated Aspy; occasional narrow garnetiferous section; biotitic lower	99.50	101.50	2.00	15	143	140	84	5	5.55	3101
		101.50 - 104.50 - 3.00	101.50	104.50	3.00	620	4973	271	73	2	7.69	3102
		104.50 - 106.00 - 1.50	104.50	106.00	1.50	52	1155	173	37	2	3.97	3103
		106.00 - 109.00 - 3.00	106.00	109.00	3.00	20	561	88	30	3	3.49	3104
		109.00 - 112.00 - 3.00	109.00	112.00	3.00	33	257	165	31	2	5.35	3105

HOLE No: CB011

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB011

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		contact	112.00	115.00	3.00	22	69	284	36	2	7.51	3106
			115.00	117.70	2.70	25	85	93	75	10	5.33	3107
117.7	137.5	(PGMATITE DIKE) pink, medium to coarse grained, scattered coarse amph crystals	117.70	137.50	19.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
137.5	182.7	(AMPHIBOLITE-ALTERED) (zebra banding) dark green, fine grained, with leached and sil'd sections sil'd sections - grey, fine grained, generally mineralised with minor to semimassive PoPy, traces Cpy and Aspy 137.0 - alteration and sil'a decreases noticeably 137.5 - 157.0 - moderately to highly altered and mineralised 142.0 - 143.4 - 20 % Po minor Py, traces Cpy mostly in irregular x-cutting fracture fillings at low angle to C.A. 147.0 - 151.0 - 15 % Po, minor Py 151.0 - 153.0 - moderately to highly sil'd 156.3 - 156.8 - massive Po, minor Py stringer 157.0 - 177.0 - moderately altered, traces sulfides 177.8 - 182.7 - increase in alt'a, sil'a, leaching, and mineralization; 2-4 % PyPo, minor scattered crystals Aspy banded appearance	137.50	140.20	2.70	16	19	249	44	13	5.66	3108
			140.20	142.20	2.00	13	111	200	60	21	4.41	3109
			142.20	143.80	1.60	33	56	896	136	27	8.81	3110
			143.80	147.00	3.20	12	57	375	267	32	6.38	3111
			147.00	149.70	2.70	24	37	648	151	30	9.90	3112
			149.70	151.60	1.90	48	52	522	468	30	7.55	3113
			151.60	154.40	2.80	34	188	345	314	22	6.02	3114
			154.40	157.00	2.60	12	35	460	252	19	7.82	3115
			157.00	160.00	3.00	18	824	194	82	10	4.23	3116
			160.00	162.50	2.50	7	89	185	54	13	2.99	3117
			162.50	167.40	4.90	24	95	91	43	12	2.36	3118
			167.40	172.00	4.60	25	49	132	65	13	3.37	3119
			172.00	177.00	5.00	19	51	162	48	14	2.15	3120
			177.00	178.20	1.20	223	185	74	84	25	2.14	3121
			178.20	179.90	1.70	56	2410	219	166	25	4.60	3122
182.7	186.5	(HIGHLY SIL'D & MINERALIZED ZONE) hly sil'd amph, 10 % Po, 5 % Py, 1-3 % Aspy in irregular crystal aggregates and disseminated form	179.90	182.80	2.90	35	8720	207	186	42	5.12	3123
			182.80	186.50	3.70	190	9022	746	2216	33	9.50	3124
186.5	203.0	(AMPHIBOLITE-ALTERED) as 137.5 - 182.7, decrease in alteration down section 186.5 - 199.0 - minor disseminated and crystal aggregates Py and Aspy; mineralisation decreases down section 189.0 191.0 - coarse crystal aggregates of massive Po with minor Cpy; mineralisation ends by 199.0	186.50	189.40	2.90	106	5043	433	2784	29	7.22	3125
			189.40	192.00	2.60	177	16031	1151	4535	19	6.19	3126
			192.00	194.00	2.00	110	2205	870	1843	14	8.18	3127
			194.00	196.20	2.20	31	733	464	882	31	7.18	3128
			196.20	199.00	2.80	43	545	185	152	57	3.75	3129
203.0	251.4	(DIORITE? DIKE) dark grey, very fine grained, massive to poorly foliated save from minor to moderate x-fractures - narrow, beaded quartz, occur at low angles to C.A. 208.4 - 208.7 - sheared and sil'd, 10 % Py, 212.2 - 212.4 - sil'd stringer 240.0 - 240.5 - shear zone, sil'd 244.5 - 246.1 - pegmatite stringer, contacts at 60 to C.A. diorite has no sharp contacts, minor Py in fractures										



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB011

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
251.4	266.0	(AMPHIBOLITE) dark green, fine grained, foliated at 45-50 to C.A. 254.3 - 254.5 - fault-shear - talcose 254.3 - 256.0 - slightly talcose	199.60	266.00	66.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
	266.0	R.O.N.										

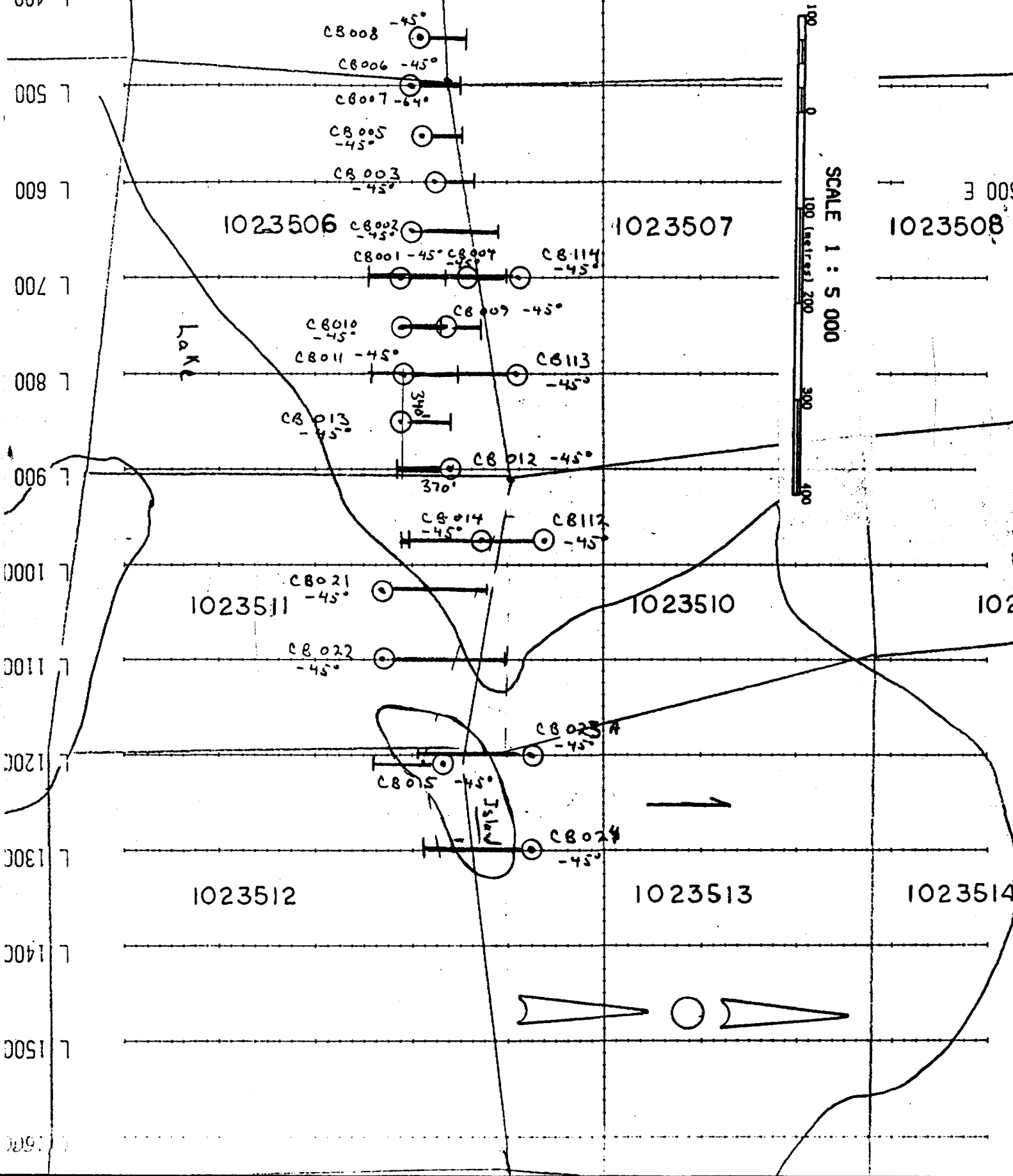
HOLE No: CB011

1023505

1023504

1023503

00E 7  
007 7  
005 7  
009 7  
007 7  
008 7  
006 7  
0001 7  
0011 7  
0021 7  
00E1 7  
0041 7  
0001 7  
009 7



CB008 -45°

CB006 -45°

CB007 -64°

CB005 -45°

CB003 -45°

1023506 CB002 -45°

CB001 -45° CB009 -45°

CB114 -45°

CB010 -45°

CB007 -45°

CB011 -45°

CB113 -45°

CB013 -45°

CB012 -45°

370°

CB014 -45°

CB112 -45°

1023511 CB021 -45°

CB022 -45°

CB023 A -45°

CB015 -45°

CB024 -45°

1023512

1023513

1023514

SCALE 1 : 5 000

LAK

Island

Paterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB012  
 Collar Eastings: 900.00  
 Collar Northings: -160.00  
 Collar Elevation: 22.60  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 258.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Jan. 6-7/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				I	Fe(%)	Sample
						As(ppb)	Ar(ppm)	Cu(ppm)	Zn(ppm)			
0.0	9.0	(CASING)										
9.0	13.0	(AMPHIBOLITE-ALTERED-SIL'D-MINERALIZED) dark grey, fine grained, massive to foliated down section near pegmatite, contact at 75-80 to C.A. 9.0 - 11.5 - traces Py 11.5 - 13.0 - 15-20% disseminated and irregular stringers Py, sheared, moderately biotitic	0.00	9.50	9.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			9.50	11.50	2.00	25	20	162	72	14	3.27	3186
			11.50	13.00	1.50	32	35	768	1498	97	9.89	3187
13.0	29.5	(PEGMATITE) mottled pink, coarse to medium grained, heterogeneous grain size, moderately sheared and minor brecciation, hematite staining in sections, shows some surface weathering 27.5 - 29.5 - sheared, sil'd, 5-8% Py, sheared and sil'd lower contact - arbitrary	13.00	27.50	14.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			27.50	29.50	2.00	32	20	406	165	28	6.59	3188
29.5	46.5	(HIGHLY SIL'D-MINERALIZED ZONE) shear zone, mylonite or possibly chert? dark grey, fine grained, finely banded in sections, possibly silty sediments?, overall 15-20% sulfides, 10-15% Po, 5-10% Py, 1-3% Sphalerite, sulfides occur as fine to coarse irregular stringers and crystal aggregates, crude banding or foliation varies from 70 to near parallel to C.A. 29.3 - 31.0 - hly shear and sil'd., 20% pegmatitic material also hly sheared 31.0 - 33.0 - hly sil'd, 10% PoPy 33.0 - 38.0 - hly sil'd, low angle foliation and "banding", changing foliation, 15% Po, 5% Py, 3-4% Sphal., sphalerite to dark reddish-black 34.5 - fault at 50 to C.A., 1 cm. wide, "carb" filled and healed 38.0 - 46.5 - hly sil'd, occasional vague fragment outlines leached and altered, 10-15% Po, minor Py, traces Sphal. 42.0 - 44.0 - semi massive Po, minor Sphalerite 46.1 - 46.5 - 1-2% scattered euhedral blade shape crystals "staurolite"?	29.50	33.20	3.70	50	378	400	754	18	6.30	3189
			33.20	38.00	4.80	78	106	359	31706	15	8.02	3190
			38.00	42.10	4.10	54	61	862	2483	10	9.75	3191
			42.10	44.90	2.80	21	20	779	142	18	16.82	3192
			44.90	46.50	1.60	16	287	811	257	19	11.05	3193
46.5	48.2	(PELIC VOLCANIC-FRAGMENT?) medium brownish-grey, fine grained, probably a leached and altered block of wall rock, minor PoPy, traces Aspy	46.50	48.20	1.70	99	3459	301	345	13	6.74	3194

HOLE No: CB012

*[Handwritten signature]*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO12

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				I	Fe(%)	Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)			
48.2	69.3	(BRECCIA ZONE-ONLY ALTERED-MINERALIZED)	48.20	52.50	4.30	71	3767	342	385	15	8.21	3195
		fine breccia, hly altered, occasional larger fragments of "felsic" material	52.50	56.00	3.50	494	4480	195	155	21	6.66	3196
		48.2 - 59.0 - mottled whitish and dark greenish brown-lighter quartz and plag with darker amph and bio., crudely banded in sections, plag rich matrix has a granular texture	56.00	59.00	3.00	2485	31537	134	30	14	5.50	3197
		59.0 - 64.0 - mottled whitish and dark greenish brown-lighter quartz and plag with darker amph and bio., crudely banded in sections, plag rich matrix has a granular texture	59.00	62.40	3.40	1031	23229	185	33	16	5.50	3198
		64.0 - 64.70 - dark green to blackish, dense amph-bio rich, poorly foliated to almost massive, minor sil. stringers, 5% disseminated medium crystals Aspy, minor fine Po, Py, & Magnetite	62.40	64.70	2.30	1426	22052	116	29	18	5.18	3199
		64.7 - 69.3 - similar to above except 10-15% sil. and plag. in fine distorted bands, traces sulfides	64.70	67.00	2.30	354	6232	91	27	13	5.05	3200
		69.3 - 69.30 - "felsic" fragment, minor Py near lower contact	67.00	69.30	2.30	327	3529	143	48	15	4.66	3201
69.3	83.6	(GRANITE DIKE)	69.30	72.10	2.80	76	1054	136	58	23	3.23	3202
		mottled grey to pinkish, medium grained, moderately to highly sheared and foliated at 45-50 to C.A.	72.10	81.00	8.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		81.0 - 83.6 - moderately sil'd, 1-3% Py, minor Po, traces Aspy										
		83.0 - 83.6 - highly sil'd										
83.6	117.0	(QTZ-BIO-AMPH SCHIST-MINERALIZED)	81.00	83.70	2.70	35	495	33	44	30	1.25	3203
		felsic breccia, siliceous schistose to gneissic, 50% vague to distinctive fragments, variable size, siliceous matrix, rock is well sheared and foliated at ~ 40-45 to C.A.	83.70	86.40	2.70	53	357	364	79	21	7.45	3204
		86.4 - 91.00 - brecciated and moderately sheared, possibly in part dike?, 5% Py minor Po	86.40	91.00	4.60	40	2198	414	106	26	10.28	3205
		91.0 - 93.00 - brecciated and moderately sheared, possibly in part dike?, 5% Py minor Po	91.00	93.00	2.00	802	43024	355	183	16	10.28	3206
		93.0 - 96.00 - brecciated and moderately sheared, possibly in part dike?, 5% Py minor Po	93.00	96.00	3.00	300	9025	338	73	21	9.77	3207
		96.0 - 101.10 - hly sheared, 5-10% Po, 5-10% Py, traces Aspy	96.00	101.10	5.10	11	341	719	86	22	10.29	3208
		101.1 - 105.00 - hly sheared, 5-10% Po, 5-10% Py, traces Aspy	101.10	105.00	3.90	50	880	384	131	24	9.46	3209
		105.0 - 110.30 - hly sheared, 5-10% Po, 5-10% Py, traces Aspy	105.00	110.30	5.30	83	4088	197	50	30	3.94	3210
		110.3 - 117.00 - hly sheared, 5-10% Po, 5-10% Py, traces Aspy	110.30	116.30	6.00	60	4247	188	134	20	4.64	3211
		116.3 - 117.00 - as above, 10% Aspy	116.30	117.00	0.70	15	1374	62	176	18	2.56	3212
		117.0 - 105.0 - 10-15% Po, 5% Py, traces Aspy										
		105.0 - 117.0 - (2% PoPy traces disseminated Aspy										
		111.0 - 2-3 cm. diameter massive Po nodule encapsulating a radiating Py nodule										
117.0	118.3	(GRANITE DIKE)										
		mottled pinkish, hly sheared and foliated at 40 to C.A. sheared and sil'd contacts										

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB012

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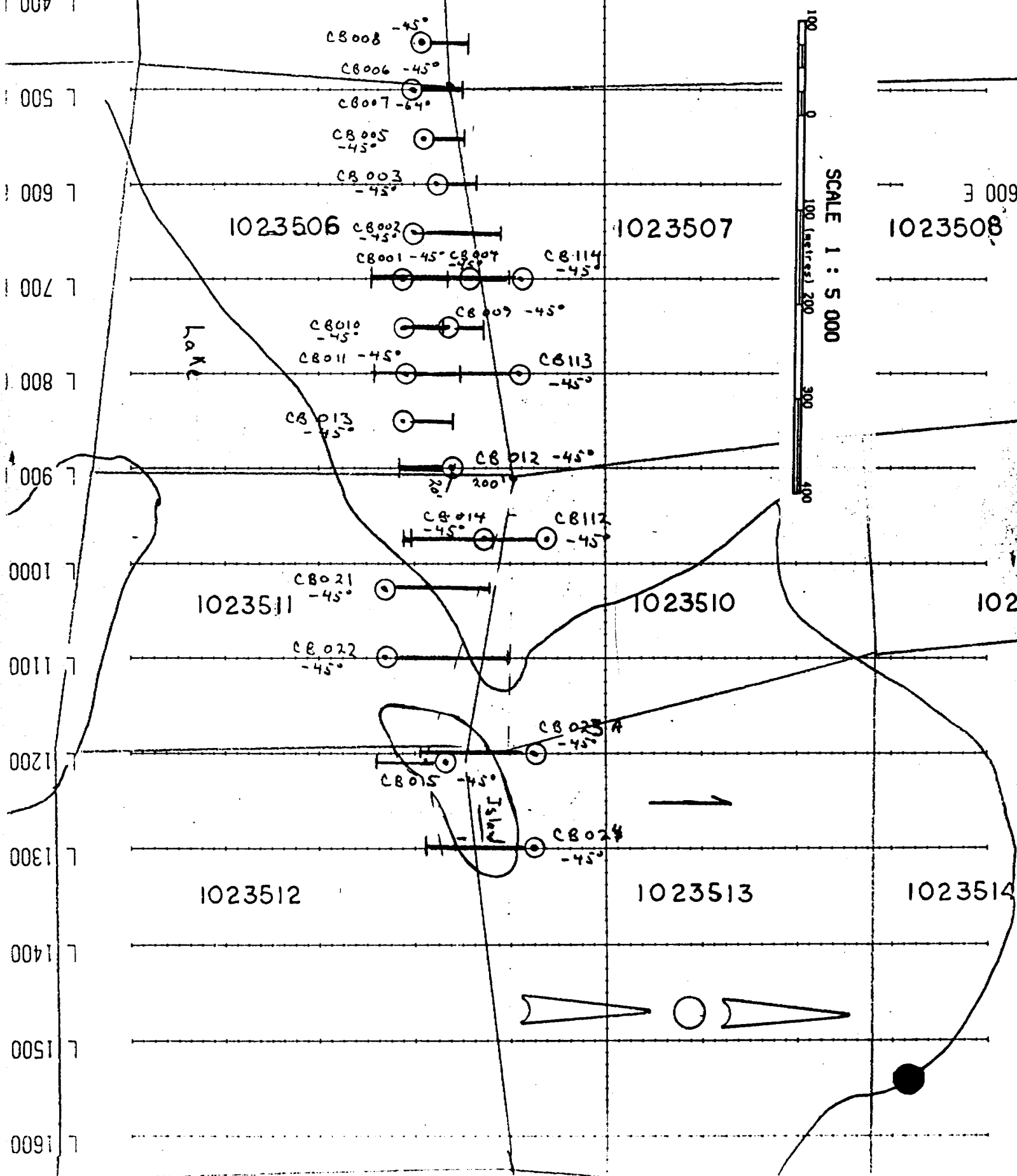
FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS				I	Fe(X)	Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)			
118.3	137.0	(QTZ-AMPH-BIO-GARNET SCHIST) dark brownish-green, fine grained, crudely banded. 10-15% garnetiferous sections. 10-15% vague to distinctive fragments, gradual decrease in shearing and a more massive appearance of an amphibolite down section										
137.0	138.7	(PRGNATITE DIKE) pinkish, coarse grained, sheared										
138.7	248.0	(AMPHIBOLITE-MOD. ALT'D-MINERALIZED-BX) mottled to crudely banded, light and dark grey and green, fine grained, moderately leached and sil'd in sections, crudely banded and foliated at 40-50 to C.A.-variable, minor to semi massive sulfides, mainly PyPo with traces Aspy and Cpy in disseminated and fine stringer form	117.00	190.50	73.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		199.0 - 205.0 - (1% Aspy)	190.50	190.30	5.00	30	220	232	374	12	5.63	3213
		205.0 - 206.3 - pegmatite dike	198.30	199.00	3.50	57	1686	234	147	19	4.03	3214
		206.3 - 208.3 - altered amph-bio rich, traces Aspy, Py	199.00	204.20	4.40	75	3658	453	318	20	4.75	3215
		208.0 - hly leached	204.20	206.20	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		212.0 - 212.3 - 40% massive Po	206.20	210.40	4.40	45	2342	229	264	14	5.54	3216
		213.5 - 215.0 - 40% massive Po	210.00	212.20	1.00	40	173	539	120	6	6.84	3217
		215.0 - 217.4 - mottled plng. qtz rich with scattered dark amph crystals	212.20	215.50	3.30	408	98	718	128	11	18.08	3218
		217.4 - 248.0 - amph-bio schist, 5% Po, 5% Py	215.50	219.00	4.40	35	618	270	123	3	5.95	3219
		248.0 - moderately to highly biotitic	219.00	225.00	5.10	18	268	213	100	1	5.09	3220
			225.00	229.70	4.70	24	123	320	77	1	4.06	3221
			229.70	234.40	4.70	26	411	373	374	4	5.12	3222
			234.40	239.00	4.60	26	254	337	429	1	6.19	3223
			239.00	244.00	5.00	51	50	261	329	1	7.35	3224
			244.00	248.00	4.00	45	30	414	457	5	6.36	3225
248.0	256.0	(PRGNATITE) mottled pinkish, coarse grained, sharp upper contact.										
		256.0 - R.O.B.										

1023505

1023504

1023503

100E 7  
1007 7  
1005 7  
1009 7  
1002 7  
1008 7  
1006 7  
1000 7  
1011 7  
1002 7  
1003 7  
1001 7  
1004 7  
1005 7  
1009 7



SCALE 1 : 5 000  
100  
0  
100 (feet)  
200  
300  
400

3 009

102

*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB013  
 Collar Eastings: 850.00  
 Collar Northings: -210.00  
 Collar Elevation: 25.30  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 256.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Jan. 4-6/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
0.0	9.5	(CASING)										
9.5	31.0	(GRANITE) mottled pinkish-grey, medium grained, heterogeneous grain size, moderately foliated at 60 to C.A., increase in amph. and bio. near lower contact.	9.50	31.00	21.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
31.0	33.5	(AMPHIBOLITE - HLT ALT'D & MIN.) dark grey, fine grained, leached, sil'd, biotitic; overall 20-25% sulfides as irregular crystal aggregates and disseminated form, 5-10% Py, 5-10% Aspy, lesser Po, minor Sphal.; fol'n at 30-55 to C.A. 30.0 - 31.0 - minor shearing and fol'n at 20 to C.A.	31.00	33.50	2.50	695	32636	230	9334	17	8.62	3130
33.0	87.0	(AMPHIBOLITE - ALT'D) (Zebra texture) weakly mineralized, alternating amph. rich, leached epidote rich to silicified in irregular bands, amph bands are biotitic; overall - 1-3% sulfides generally fine disseminated form, mainly PyPo traces Aspy confined mainly to sil'd sections; gradual increase in alteration and sulfides down section; crude banding and fol'n at 45-50 to C.A. 55.1 - 55.4 - x-fractures filled with Po lesser Cpy & Aspy lower contact arbitrary	33.50	36.00	2.50	334	569	763	418	35	5.26	3131
			36.00	38.00	2.00	73	922	216	670	27	3.44	3132
			38.00	42.70	4.70	192	1404	139	93	7	2.79	3133
			42.70	48.00	5.30	190	1826	163	395	26	3.77	3134
			48.00	49.00	1.00	50	1260	105	105	23	2.99	3135
			49.00	51.90	2.90	69	1470	168	51	15	3.79	3136
			51.90	55.00	3.10	126	3500	153	37	16	4.00	3137
			55.00	58.60	3.60	137	11228	207	33	23	6.41	3139
			58.60	60.20	1.60	100	3813	95	51	50	3.20	3129
			60.20	62.00	1.80	43	904	133	33	63	2.18	3140
			62.00	64.00	2.00	151	3126	190	113	56	3.71	3141
			64.00	67.00	3.00	36	1943	360	292	42	5.59	3142
67.0	75.6	(HLT ALT'D, SIL'D & MIN. ZONE) 20% amph & bio., 40% sil'd, 20-25% sulfides, 10% Py, 5% Po, 5-8% Aspy, traces Sphal.; sulfides occur as irregular coarse crystal aggregates and fine disseminated form, hly sil'd and min. sections tend to be vuggy	67.00	71.00	4.00	57	874	877	307	22	9.56	3143
			71.00	72.00	1.00	29	1264	574	683	53	4.00	3144
			72.00	75.60	3.60	279	45713	568	2741	26	10.25	3145
75.6	78.5	(AMPHIBOLITE) dark brownish-green, fine grained, biotitic, shearing and fol'n decreases rapidly down section, fol'n at 55 to C.A., disseminated traces PyPo & Aspy	75.60	78.50	2.90	303	2216	570	1094	29	4.43	3146
78.5	84.4	(PGMATITE) coarse grained dike, sharp contacts at 85 to C.A.	78.50	84.40	5.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

HOLE No: CB013

*L. Chastko*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB013

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
84.4	127.4	(AMPH-QTZ-GARNET SCHIST)	84.40	86.00	1.60	55	81	161	283	42	6.35	3147
		dark brownish-green, fine grained, 10-15% garnetiferrous sections, garnets pale pinkish, poorly developed - may not be all garnets?; moderately foliated at ~50 to C.A.; occasional quartz rich band and occasional quartz fragment	86.00	89.20	3.20	48	543	115	108	17	5.52	3148
		2-5% disseminated and irregular crystal aggregates of sulfides, mainly PyPo, lesser Aspy; weak serra texture intensifying down section	89.20	94.00	4.80	11	286	123	41	11	4.39	3149
		106.7 - 108.4 - plaq-qtz rich section	94.00	98.50	4.50	11	422	124	38	10	4.41	3150
		127.4 - 126.5 - plaq-qtz rich with med. amph crystals	98.50	103.30	4.80	12	820	102	52	8	4.21	3151
			101.30	107.00	4.50	16	419	97	44	2	3.95	3152
			107.90	112.00	4.30	28	599	141	48	3	4.62	3153
			112.60	117.00	4.40	48	1671	342	54	1	5.68	3154
			117.00	121.40	4.80	17	438	127	66	7	4.66	3155
			121.80	126.50	4.70	22	514	225	74	7	5.46	3156
127.4	173.2	(AMPHIBOLITE - ALT'D)	126.50	131.40	4.90	121	2001	167	120	5	3.43	3157
		dark green fine grained, brecciated and sil'd sections; overall 20-25% sil'd; 5% sulfides concentrated in sil'd sections as disseminated and coarse crystal aggregates; mainly Py Po and Aspy, minor sulfides in x-fractures	131.40	136.00	4.60	89	2088	193	103	4	4.09	3158
		142.6 - 142.9 - sil'd, 10% Aspy, minor PyPo	136.00	140.70	4.70	57	4503	169	86	5	3.45	3159
		147.0 - 147.3 - coarse crystal aggregates Py	140.70	144.50	1.80	40	563	152	51	12	2.82	3160
		148.0 - 150.0 - breccia zone	142.50	143.50	1.00	210	16683	889	417	9	4.65	3161
		152.7 - 155.0 - moderately brecciated	143.50	145.50	2.00	53	1726	303	156	9	4.04	3162
		166.8 - 166.9 - quartz stringer, 5-10% coarse crystal aggregates Aspy;	145.50	148.00	4.50	74	4301	347	82	7	4.10	3163
		noticeable shearing and slippage at lower contact	150.00	154.70	4.70	49	1175	243	61	12	3.28	3164
		notable difference with unit above in absence of garnets	154.70	159.30	4.60	15	425	300	39	12	3.84	3165
			159.30	164.20	4.90	22	468	308	45	19	2.73	3166
			164.20	168.30	4.70	39	2487	341	92	14	3.38	3167
			168.30	173.20	4.30	48	874	212	89	14	3.39	3168
173.2	206.3	(PEGMATITE)	173.20	206.30	33.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		med. to coarse grained, pinkish, sheared lower contact at ~50 to C.A.										
206.3	211.0	(AMPHIBOLITE - HLY ALT'D & MINERALIZED)	206.30	207.80	1.30	50	254	599	746	24	6.46	3169
		medium to dark grey-green, uneven color; fine grained, hly leached, moderately to hly sil'd in sections, sheared and foliated at 45-60 to C.A. - x-foliated in sections; shearing, alt'n, and mineralization decreases down section, arbitrary lower contact based on decrease in alt'n and min.	207.80	210.00	2.40	276	11768	915	7085	8	10.62	3170
		206.3 - 207.6 - hly leached, several sharp black line faults parallel to foliation, 5-8% disseminated and fine stringers Py										
		207.6 - 211.0 - hly leached and sil'd; 30% sulfides, 10% Py, 15-20% Po, 5% Aspy, 1% Sphal, traces Cpy; sulfides occur as disseminated and irregular coarse crystal aggregate stringers										
		208.9 - 209.2 - qtz-plaq-amph stringer										
		overall minor biotite										

HOLE No: CB013



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB013

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									Sample
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Po(%)	
211.0	240.0	(AMPHIBOLITE - MOD. ALT'D & MINERALIZED)	210.00	212.00	2.00	188	465	507	282	7	6.75	3171
		gradual decrease in alt'n from above section, overall 2-5% sulfides, uneven distribution, as crystal aggregates,	212.00	213.00	1.00	78	19520	341	472	6	6.88	3172
		mainly Py, minor Po, traces Aspy	213.00	215.00	2.00	33	3314	1282	257	17	4.94	3173
		212.7 - one 3-4 cm. massive crystal aggregate Aspy, amph. rim around irregular edge	215.00	218.00	3.00	93	7460	394	135	39	4.87	3174
		213.0 - 215.0 - moderate brecciation and alteration; 2-5% Py as irregular stringers and in x-fractures	218.00	221.00	3.00	31	498	614	60	3	2.75	3175
		216.2 - 5 cm. stringer massive Aspy	221.00	224.00	3.00	9	565	349	55	10	2.56	3176
		227.3 - 5 cm. stringer massive Aspy	224.00	227.00	3.00	26	887	173	47	10	2.11	3177
		overall section is moderately biotitic	227.00	228.00	1.00	35	6311	167	94	9	2.97	3178
		235.0 - 240.0 - relatively massive	230.00	230.00	2.00	7	428	112	85	6	2.81	3179
			230.00	235.00	4.00	NIL	85	132	75	5	2.38	3180
			235.00	240.00	5.00	10	128	90	77	4	2.45	3181
240.0	241.4	(PRGMATITE DIKS)	240.00	241.40	1.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		sheared, sil'd, vague crystal outlines, foliated at 50-55 to C.A.										
241.4	256.0	(AMPHIBOLITE - SIL'D - FRACTURED)	241.40	244.00	2.60	NIL	33	100	25	4	0.89	3182
		biotitic, mod sheared and fractured, 5-8% fine quartz stringers along foliation and x-fractures, several sil. sections with minor PyPo.	244.00	249.00	4.00	NIL	80	125	22	8	1.00	3183
			249.00	253.50	4.50	6	39	390	53	7	1.95	3184
			253.50	256.00	2.50	6	33	110	21	5	1.82	3185
		256.0 - R.O.R.										

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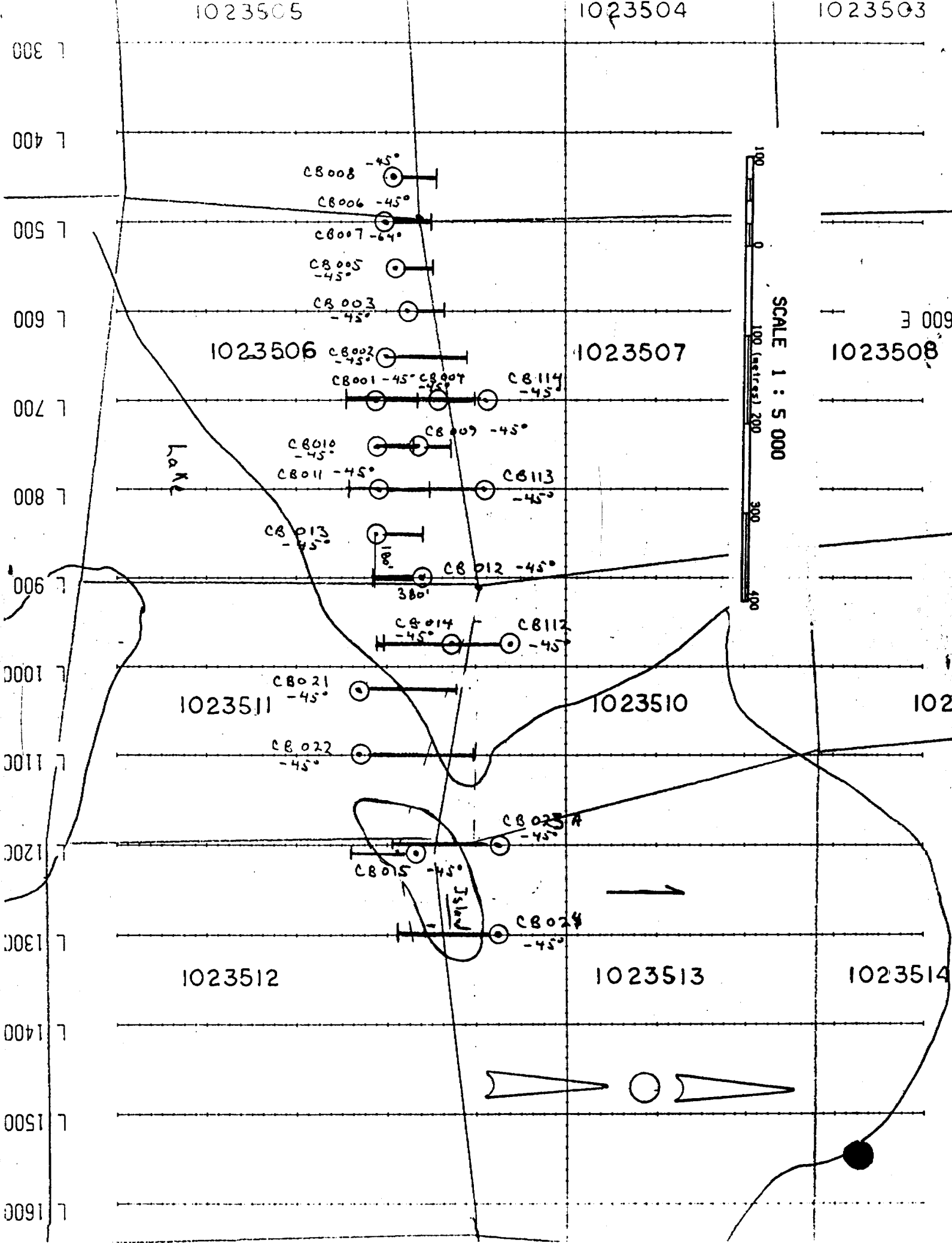
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SCALE 1 : 5 000

Lake



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*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB014  
 Collar Eastings: 975.00  
 Collar Northings: -125.00  
 Collar Elevation: 18.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 347.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Jan. 8-11, 91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample	Au/Ac
						As(ppb)	As(ppm)	Co(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)		
0.0	7.0	(CASING)											
7.0	21.4	(AMPHIBOLITE) dark green, fine grained, plag., amphib-minor bio, well foliated at 50 to C.A., minor to moderate fractures-healed, fractures x-cutting and near parallel to foliation, minor to moderate leaching near lower contact with dike, sharp lower contact											
21.4	24.0	(GNEISS DIKE) salmon pink, coarse grained, 30% K-feldspar, fresh, sharp sheared lower contacts at 50 to C.A.	0.00	24.00	24.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000
24.0	38.7	(AMPHIBOLITE) similar to above, marked increase in foliation, leaching, and alteration, minor to moderate brecciation in sections 24.3 - 24.5 - 30% Py 31.0 - 38.7 - minor to moderate brecciation, 3-4% PyPo	24.00	29.50	5.50	12	3153	136	40	2	2.69	3226	0.904
			29.50	34.50	5.00	19	1632	236	42	1	3.09	3227	0.812
			34.50	38.70	4.20	0	1479	181	67	1	2.27	3228	0.604
38.7	41.4	(GRANITE DIKE) mottled pink and grey, medium grained, foliated, sil'd contacts, indistinct	38.70	41.40	2.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000
41.4	43.6	(AMPHIBOLITE) dark greyish, moderately sil'd, 1-4% disseminated PoPy	41.40	43.60	2.20	7	59	106	73	1	3.25	3229	0.119
43.6	48.6	(GRANITE DIKE) mottled greyish-pink, sheared indistinct crystals, 15-20% mafics, sil'd indistinct contacts	43.60	48.60	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000
48.6	52.8	(AMPHIBOLITE-ALT'D-SIL'D-MINERALIZED) moderately biotitic, 20-30% sil'd, 10-15% fine disseminated and fine stringers Py, minor Po	48.60	52.80	4.00	24	28	414	103	12	6.03	3230	0.257
52.8	53.6	(GRANITE DIKE) as 43.6 - 48.6	52.80	53.60	1.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000
53.6	56.2	(AMPHIBOLITE-ALT'D-SIL'D-MINERALIZED) as above, 10-15% Po, 5-10% Py, as disseminated and stringers well foliated at 50-55 to C.A.	53.60	56.20	2.60	26	21	355	57	1	6.53	3231	1.238

HOLE No: CB014

*L. Chastko*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB014

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS										
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample	Au/Ag
56.2	61.0	(GRANITE DIKE) as 43.6 - 48.6	56.20	61.00	4.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000
61.0	63.8	(AMPHIBOLITE-ALT'D-WEAKLY MINERALIZED) minor sil'd, traces PoPy and Aspy, 1st Aspy in hole											
63.8	75.0	(PRGMATITE DIKE) mottled salmon pink, coarse grained, fresh, 10-20% quartz, sharp, sheared contacts at '50 to C.A.	61.00 64.00	64.00 75.00	3.00 11.00	147 N.S.	2150 N.S.	296 N.S.	116 N.S.	8 N.S.	4.32 N.S.	3232 N.S.	0.068 1.000
75.0	108.0	(AMPHIBOLITE-ALT'D-MINERALIZED) generally dark brownish-green, fine to medium grained in sections, moderately biotitic, generally well foliated at 40-50 to C.A., 40 to C.A. more pronounced, increase in alteration, shearing, silic'n down section when approaching stronger mineralization, minor to moderate hairline x-fract- ures, overall 2-5% PoPy traces Aspy 75.0 - 81.0 - hly sheared and foliated, 2-5% Py, minor Po, traces Aspy 80.6 - 81.0 - 30% Py 81.0 - 92.0 - medium grained amph., 1-2% sulfides, possible dike 97.7 - 98.5 - hly sil'd, 5-8% fine Po, gradational with hly alt'd and mineralized section below, arbitrary unit based on mineralisation and alteration	75.00 77.00 81.00 86.50 91.00 96.00 98.00 101.00 101.00	77.00 81.00 86.50 91.00 96.00 101.00 105.00 107.00	2.00 4.00 4.00 4.50 5.00 5.00 4.00 3.00	101 83 60 196 54 53 37 32	43 85 215 1035 180 73 780 3415	130 448 350 157 235 290 283 162	140 64 20 71 20 29 43 136	4 1 1 7 4 2 2 67	4.19 5.12 3.54 2.50 3.07 3.72 3.90 4.43	3233 3234 3235 3236 3237 3238 3239 3240	2.349 0.369 0.318 0.162 0.300 0.726 0.948 0.909
108.0	143.0	(HLY ALT'D AND MINERALIZED ZONE) 108.0 - 109.3 - hly alt'd, hly sil'd, 15-20% disseminated fine and coarse Aspy, 5-10% fine PoPy, rock is crudely banded and foliated at '35 to C.A., some high banding 109.3 - 117.3 - altered amph., leached, minor sil'd sections 2-5% PyPo, 1% Aspy disseminated crystals vague breccia outlines, somewhat contorted banding and foliation 117.3 - 117.7 - well sheared and foliated, 15% Aspy - fine disseminated and irregular stringers, 5-10% PyPo 117.7 - 118.0 - hly alt'd, sil'd amph., 10% fine Po, minor Aspy fine disseminated crystals 118.0 - 120.0 - 60% granular plag-gts, 40% altered amph fragments, 5% Aspy, minor PoPy 120.0 - 120.6 - hly altered, leached and sil'd amph, 5% Po, minor Py and Aspy 120.6 - 125.0 - hly sheared and mineralized zone, dark blackish ground mass of amph and bio, hly sil'd, 30-35%	107.00 109.50 112.50 116.00 116.00 116.00 120.00 125.20 126.70 129.00 133.50 134.60 137.20	109.50 112.50 116.00 116.00 120.00 125.20 126.70 129.00 133.50 134.60 140.30	1.70 3.00 3.50 2.00 3.00 5.20 1.50 2.30 4.50 1.10 2.60 3.10	128 48 76 173 125 292 73 94 397 125 131 165	190000 3754 804 35881 10463 100000 4490 1951 492 28355 5529 13473	372 641 604 340 602 566 530 791 350 604 774 269	149 234 244 443 1261 877 856 2556 133 305 203 125	81 140 129 66 54 80 54 60 124 57 75 46	0.72 4.38 4.86 7.38 6.71 12.16 10.53 7.45 9.43 7.48 9.82 4.60	324112800000000.000 3242 3243 3244 3245 324629200000000.000 3247 3248 3249 3250 3251 3252	0.000 0.913 0.895 0.007 0.913 0.000 0.018 0.048 1.861 0.004 0.824 0.912

HOLE No: CB014

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO14

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample	Au/As
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)		
		sulfides, 20% Aspy, 5-10% Py, Aspy occurs as fine disseminated and crude stringers of crystal aggregates of coarser Aspy fol'n is generally 15-25 to C.A.											
		125.0 - 126.6 - hly leached, sil'd amph, 20% coarse crystal aggregates of Po in fractures											
		126.6 - 133.6 - micro breccia, hly sil'd, well mineralized with 25-35% fine discontinuous, contorted, stringers Po minor Py, traces Aspy and Cpy, Po occurs semi massive in sections											
		133.6 - 134.8 - sil'd, sil'd amph, 2-5% fine disseminated Aspy											
		134.8 - 136.0 - 1-2% fine disseminated Aspy, 10% crystal aggregates Py											
		136.0 - 137.4 - brecciated, altered, leached, 20% coarse crystal aggregates Po, 1% fine disseminated Aspy											
		137.4 - 143.0 - leached, sil'd amph, 2-3% fine Po, minor Py											
		141.0 - 143.0 - brecciated, sheared, sil'd											
143.0	157.0	(AMPHIBOLITE-ALT'D-WEAK ZEBRA TEXTURE) moderately biotitic, crude bands and sections of alteration and silic'a, foliated at ~35 to C.A.	143.00	143.30	3.30	91	7242	130	51	52	4.55	3253	0.813
		153.5 - 3-4 cm crystal aggregate of massive Py	143.20	147.70	4.50	223	3676	102	67	132	2.01	3254	0.062
			147.70	152.70	5.00	170	3967	91	24	35	1.52	3255	0.043
			152.70	156.00	3.30	66	2334	334	36	27	2.60	3256	0.028
157.0	171.0	(AMPHIBOLITE-ALTERED-WEAKLY MINERALIZED) alternating dark brownish green and medium grey silicic irregular bands, fine grained, well foliated at 40-45 to C.A.	156.00	156.00	2.00	39	6467	105	31	46	2.37	3257	0.006
		2-4% disseminated Po, 2-4% Py, <1% disseminated Aspy	156.00	161.00	5.00	155	3486	135	32	25	5.87	3258	0.016
		168.8 - 169.4 - amph-bio rich, 15-20% PyPo	161.00	166.00	5.00	217	3472	237	38	51	4.99	3259	0.063
		shearing and alteration intensifies down section	166.00	171.00	5.00	88	3184	295	39	33	5.89	3260	0.028
171.0	179.0	(PLAG-QTZ-AMPH-BIO SCHIST) sheared breccia zone, mottled light grey and green, fine to medium grained, well sheared and foliated at ~45-50 to C.A.	171.00	175.70	4.70	36	717	291	83	62	6.75	3261	0.050
		overall 2-3% PoPy, <2% disseminated Aspy											
		173.2 - 173.6 - amph-bio rich, 20-35% PyPo											
179.0	193.1	(AMPHIBOLITE-HLY ALT'D-ZEBRA TEXTURE) dark brownish green amph-bio rich and light greyish green silicic interbanded irregularly	179.70	179.10	3.40	77	2799	267	90	72	7.43	3262	0.028
		179.0 - 180.3 - sil'd, 10-15% Py, minor Po	179.10	180.30	1.20	52	130	902	37	62	9.59	3263	0.400
		184.3 - 186.4 - hly sil'd cherty, 15% Po, 10% Py in upper section, foliation at ~40 to C.A.	180.30	183.30	3.00	60	980	589	32	40	6.10	3264	0.069
			183.30	186.50	3.20	67	127	409	25	39	7.95	3265	0.520
			186.50	189.50	3.00	35	229	311	40	45	5.90	3266	0.153
193.0	247.0	(QTZ-AMPH-BIO SCHIST-ZEBRA TEXTURE) dark grey more mafic rock with irregular bands of light	189.50	194.50	4.70	33	191	351	33	38	4.30	3267	0.173
			194.50	198.00	4.50	28	64	330	56	12	4.64	3268	0.438

HOLE No: CBO14

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB014

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS										
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(X)	Sample	Au/Ag
		altered silicic leached bands, fine grained, crude irregular bands and foliation at 45 to C.A., minor x-fracturing,	199.00	203.90	4.90	14	165	262	50	13	3.98	3269	0.085
		4-5% fine disseminated and stringers Py, minor Po, traces Aspy	203.90	208.80	4.70	16	154	291	56	8	3.06	3270	0.104
		213.5 - 217.0 - hly sil'd, 15-20% disseminated and stringers Py	208.80	213.20	4.60	18	157	305	32	10	3.98	3271	0.115
		217.0 - 222.50 - hly sil'd, 40% semi massive Py	213.20	217.80	4.80	42	111	826	79	16	1.09	3272	0.378
		222.50 - 227.20 - hly sil'd, 40% semi massive Py	217.80	222.50	4.70	13	212	302	41	11	5.04	3273	0.061
		227.20 - 232.00 - hly sil'd, 40% semi massive Py	222.50	227.20	4.70	196	107	853	52	19	7.32	3274	1.832
		232.00 - 236.70 - 3 mm. stringer Aspy	227.20	232.00	4.80	19	441	215	40	6	3.40	3275	0.043
			236.70	241.40	4.70	18	732	387	315	116	4.10	3276	0.025
			241.40	246.00	4.70	38	1914	216	146	29	4.15	3277	0.020
			246.00	246.00	4.60	17	1458	347	133	10	3.93	3278	0.012
247.8	267.7	(AMPH-BIO-QTZ SCHIST-MINERALIZED)	246.00	249.20	3.20	28	581	811	383	19	6.70	3279	0.048
		dark brownish grey, fine grained, hly sheared, leached, sil'd sections, scattered sections of sulfide mineralization sheared and foliated at 75 to C.A.	249.20	251.60	2.40	38	1889	88	178	28	1.52	3280	0.018
		249.1 - 249.1 - bio-amph-qtz, 1-3% Py, trace Aspy	251.60	254.40	2.80	79	1712	339	1057	255	5.23	3281	0.046
		249.1 - 250.5 - sil'd, 5% Py, 2-3% Po, traces Aspy	254.40	260.90	5.60	360	14313	484	985	194	6.10	3282	0.025
		250.5 - 251.0 - granitic dike, sil'd contacts	260.90	263.20	3.20	882	7835	358	734	122	4.80	3283	0.091
		251.0 - 255.3 - bio-amph, 1-3% PyPo, trace Aspy	263.20	266.20	3.00	780	9822	618	1717	98	7.05	3284	0.081
		255.3 - 263.4 - sil'd stringers, 5-8% Py, lesser Po, 2-4% Aspy	266.20	266.70	0.50	4549	100000	282	371	93	20.99	3285	45490000000.000
		263.4 - 266.8 - hly alt'd	266.70	267.70	1.00	405	3888	1615	688	81	5.58	3286	0.050
		266.8 - 268.2 - 50% massive Aspy section											
		268.2 - 268.7 - 75-80% massive crystal aggregate of coarse Aspy, 5% coarse Py crystals											
		arbitrary lower contact based on sulfide mineralization											
267.7	272.0	(AMPH-BIO-QTZ SCHIST)	267.70	269.20	1.50	75	1875	264	330	53	4.65	3287	0.040
		similar to above, alteration decreases rapidly away from mineralized zone above											
		sheared, mafic, talcose											
		272.4 - 272.9 - hly sil'd stringer, 20% Py											
		273.0 - decrease in biotite											
272.0	282.5	(AMPHIBOLITE)	269.20	272.10	2.90	69	974	265	384	69	5.81	3288	0.071
		dark green, fine grained, well foliated at 45 to C.A., gradational upper contact	272.10	272.90	0.80	57	893	394	329	426	11.68	3289	0.082
			272.90	273.90	1.00	24	170	327	149	111	4.57	3290	0.141
			273.90	278.30	4.40	24	880	196	52	12	2.55	3291	0.040
282.5	285.7	(GRANITE DIKE)											
		pink, medium grained, foliated at 45 to C.A., sharp contact											
285.7	289.8	(AMPHIBOLITE)											
		as before											

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB014

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS											
			FROM	TO	WIDTH	Ag(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Po(%)	Sample	As/As	
289.8	293.0	(GRANITE DIKE) as before												
293.0	326.1	(AMPHIBOLITE) dark green, fine grained, slightly to moderately foliated at 50 to C.A., increasing alteration, leaching and sil'ca sections down hole, slight fracturing 215.0 - 326.1 - leached 319.0 - 326.1 - sil'ca sections increase, S-SX disseminated and stringers Py, minor Po	270.90	316.70	30.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000	
			316.70	321.70	5.00	10	44	256	431	18	2.23	3292	0.227	
			321.70	326.10	4.40	16	23	684	1325	9	7.07	3293	0.696	
326.1	335.7	(GRANITE DIKE) settled, medium grained, foliated, sharp contacts at 50 to C.A.												
335.7	340.0	(AMPHIBOLITE) as before, well foliated, 35 quartz bands												
340.0	341.2	(GRANITE DIKE) as above												
341.2	344.0	(AMPHIBOLITE) as above												
344.0	347.0	(GRANITE) as above 347.0 - B.O.B.												

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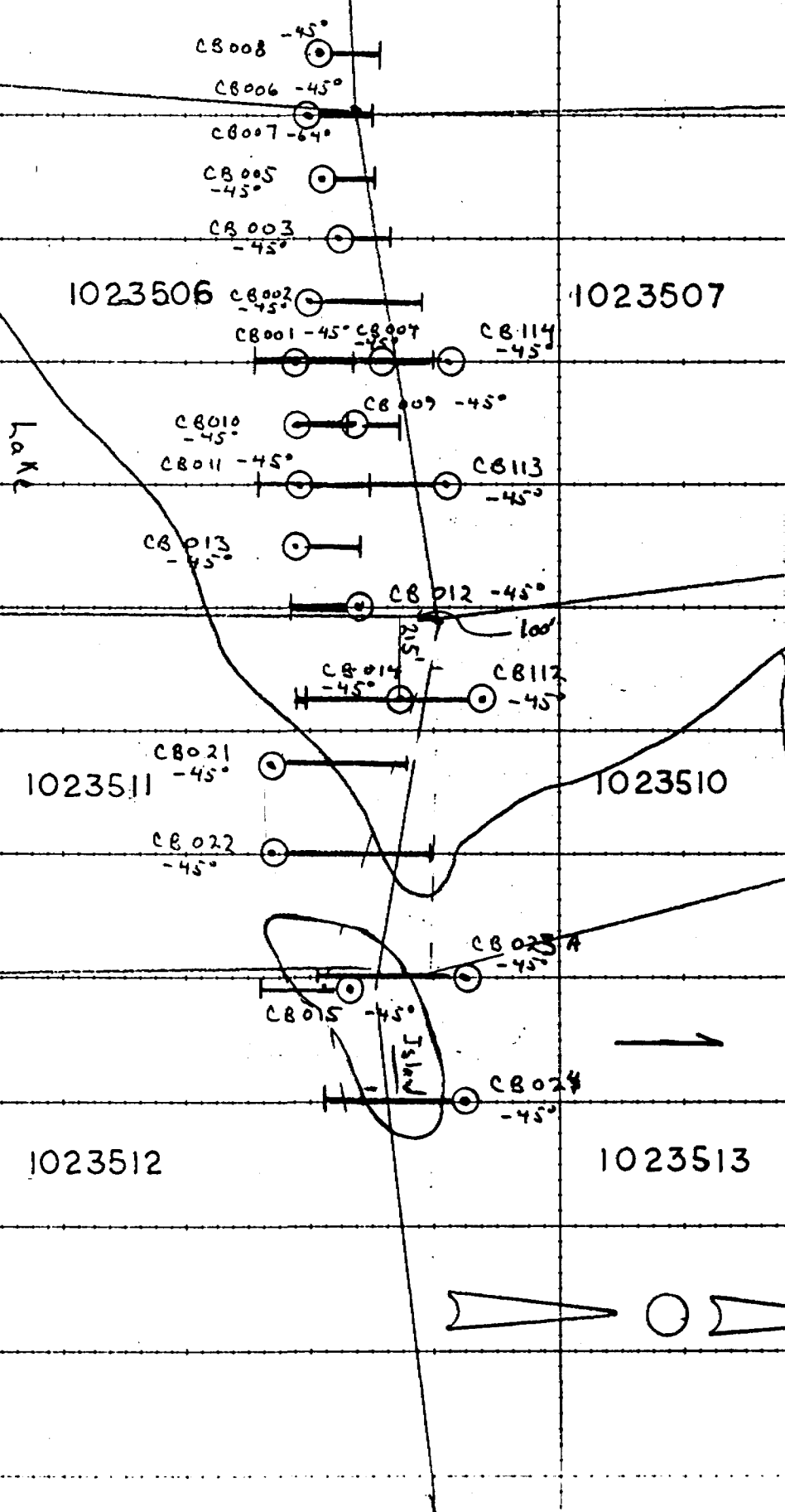
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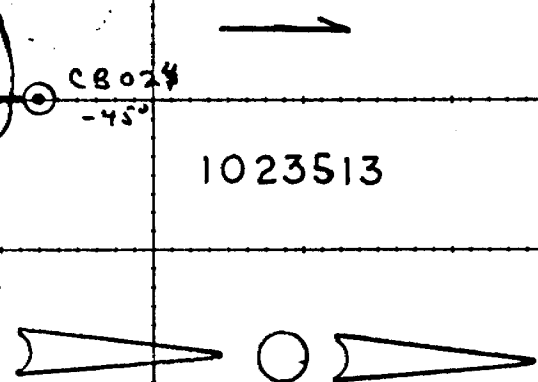


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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Resources L  
 HOLE No.: CB015  
 Collar Eastings: 1219.00  
 Collar Northings: -167.00  
 Collar Elevation: 3.30  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 356.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Jan. 10-11/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Pb(ppm)	Pb(ppm)	Po(%)	Sample
0.0	16.0	(CASING)										
16.0	39.0	(AMPHIBOLITE) dark green to brownish-green in biotitic sections, fine grained, slightly to moderately foliated at 45 to C.A., slight to moderate x-fractures - fine - healed 28.4 - 30.3 - 50-55X Quartz with Py, Aspy, stringers of quartz are generally conformable to foliation and up to 3 cm. in width, overall 5-8X coarse Aspy, 5-8X Py, sharp quartz-anph contacts with little alteration 32.4 - 32.6 - sil'd stringer, 20X Py	0.00	26.00	26.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			26.00	28.20	2.20	13	287	135	31	6	3.00	3295
			28.20	30.30	2.00	298	19519	316	16	6	6.08	3296
			30.30	32.90	1.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			32.90	33.50	1.50	17	822	179	30	9	3.47	3297
			33.50	36.00	2.50	13	361	157	47	8	3.59	3298
			36.00	39.00	3.00	12	92	166	72	13	4.86	3299
39.0	41.0	(GRANITE DIKE) mottled whitish, well foliated at 45 to C.A., sharp contacts	39.00	41.00	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
41.0	83.5	(AMPHIBOLITE-MIN.) as above 43.0 - 43.4 - pegmatite dike 46.0 - 56.9 - increase in shearing, marked foliation, slightly sil'd, moderately biotitic, traces PyPo, Aspy 56.9 - 59.5 - well sheared, foliated, 20X quartz veins, 5-7X coarse Aspy, 3X Py, traces Po in quartz stringers, stringers-conformable 59.5 - 63.0 - 15X milky quartz veinlets 63.0 - 71.0 - fine to medium grained, bio and anph clots, 20X milky quartz stringers 71.0 - 71.1 - 2-4 cm quartz stringers with massive Aspy 71.1 - 76.7 - leached, light grey 75.2 - 75.6 - 60X sil'd, 5X fine PoPy 76.0 - 76.2 - quartz stringer, 30X Aspy 79.5 - 80.0 - granite dike 82.2 - 82.7 - granite dike 83.4 - 2-3 cm. quartz stringer with heavy Aspy	41.00	46.00	5.00	28	81	305	52	8	3.87	3300
			46.00	49.00	3.00	66	851	235	25	5	3.14	3301
			49.00	52.00	3.00	8	246	136	30	3	2.30	3302
			52.00	55.00	3.00	19	599	124	18	26	1.50	3303
			55.00	56.90	1.80	17	412	134	26	19	1.98	3304
			56.90	59.50	2.70	302	15438	228	88	10	3.95	3305
			59.50	62.50	3.00	7	868	105	29	13	1.47	3306
			62.50	66.00	3.50	11	553	70	28	14	1.38	3307
			66.00	70.50	4.50	50	2132	141	81	14	2.28	3308
			70.50	73.00	2.50	31	769	178	24	18	1.96	3309
			73.00	76.00	3.00	232	8742	246	160	46	2.70	3310
			76.00	79.70	3.70	13	260	169	42	13	2.20	3311
			79.70	82.50	2.80	63	333	176	105	18	3.42	3312
83.5	102.4	(AMPHIBOLITE) dark green, fine grained, poorly foliated at 40 to C.A. minor fractures 95.6 - 95.9 - pegmatite dike 98.8 - 99.4 - pegmatite dike	83.50	84.00	1.50	431	4696	249	84	10	3.85	3313
			84.00	85.50	1.50	16	599	107	26	14	1.41	3314
			85.50	90.00	4.50	NIL	34	92	21	7	1.43	3315

*L. Chastko*

*Peterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Resources L  
 HOLE No.: CBO15  
 Collar Eastings: 1219.00  
 Collar Northings: -167.00  
 Collar Elevation: 3.30  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 356.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Jan. 10-11/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Pb(ppm)	Fe(%)	Sample
0.0	16.0	(CASING)										
16.0	39.0	(AMPHIBOLITE) dark green to brownish-green in biotitic sections, fine grained, slightly to moderately foliated at 45 to C.A., slight to moderate x-fractures - fine - healed	0.00	26.00	26.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		28.4 - 30.3 - 50-55% Quartz with Py, Aspy, stringers of quartz are generally conformable to foliation and up to 3 cm. in width, overall 5-8% coarse Aspy, 5-8% Py, sharp quartz-anph contacts with little alteration	26.00	28.20	2.20	13	287	135	31	6	3.00	3295
		32.4 - 32.6 - sil'd stringer, 20% Py	28.20	30.20	2.00	298	19519	316	36	6	6.08	3296
			30.20	32.00	1.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			32.00	33.50	1.50	17	822	179	30	9	3.47	3297
			33.50	36.00	2.50	13	361	157	47	8	3.59	3298
			36.00	39.00	3.00	12	92	166	72	13	4.86	3299
39.0	41.0	(GRANITE DIKE) mottled whitish, well foliated at 45 to C.A., sharp contacts	39.00	41.00	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
41.0	83.5	(AMPHIBOLITE-MIN.) as above	41.00	46.00	5.00	28	41	205	52	8	3.07	3300
		43.0 - 43.4 - pegmatite dike	46.00	49.00	3.00	66	851	235	35	5	3.14	3301
		46.0 - 56.9 - increase in shearing, marked foliation, slightly sil'd, moderately biotitic, traces PyPo, Aspy	49.00	52.00	3.00	8	246	136	30	3	2.30	3302
		56.9 - 59.5 - well sheared, foliated, 20% quartz veins, 5-7% coarse Aspy, 5% Py, traces Po in quartz stringers, stringers-conformable	52.00	55.00	3.00	19	500	124	18	26	1.50	3303
			55.00	56.80	1.80	17	412	134	26	19	1.98	3304
			56.80	59.50	2.70	302	15438	226	88	10	3.95	3305
			59.50	62.50	3.00	7	868	105	29	13	1.47	3306
			62.50	66.00	3.50	11	553	70	28	14	1.38	3307
			66.00	70.50	4.50	30	2132	141	61	14	2.28	3308
			70.50	73.00	2.50	31	769	178	34	18	1.96	3309
			73.00	76.60	3.60	332	8742	246	160	46	2.70	3310
			76.60	79.70	3.10	13	380	169	42	13	2.29	3311
			79.70	82.50	2.80	63	333	176	105	10	3.42	3312
83.5	102.4	(AMPHIBOLITE) dark green, fine grained, poorly foliated at 40 to C.A. minor fractures	82.50	84.00	1.50	431	4696	245	64	10	3.85	3313
			84.00	85.50	1.50	16	599	107	26	14	1.41	3314
			85.50	90.00	4.50	NIL	34	92	21	7	1.43	3315
		95.6 - 95.9 - pegmatite dike										
		98.8 - 99.4 - pegmatite dike										

HOLE No: CBO15

*Wells*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Resources L  
 HOLE No.: CB015

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Pb(ppm)	
102.4	104.7	(GRANITE DIKE) mottled, medium grained, well foliated at 45 to C.A.									
104.7	115.0	(AMPHIBOLITE) as above, increased shearing and foliation 105.3 - x-cutting fault, 1 cm gouge									
115.0	217.0	(AMPHIBOLITE & GRANITE DIKES) alternating amphibolite and granitic dikes, generally under two foot sections, granitic dikes are well foliated, conformable, sharp contacts; amphibolite is moderately to highly biotitic at contacts with granite 148.0 - 171.0 - white plagioclase rich granite, sections with large books of biotite, 20% amph. material 171.0 - 217.0 - 60% pink granite, 40% amph. 197.5 - 199.5 - large books of biotite									
217.0	256.0	(GRANITE) biotite, K-feldspar granite, pinkish, mottled, medium to coarse grained, foliated at 45 to C.A., 60-65% K feldspar, 10% biotite 243.5 - 1.5 cm stringer amph.  256.0 - R.O.H.									

1023505

1023504

1023503

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006 7

0001 7

0011 7

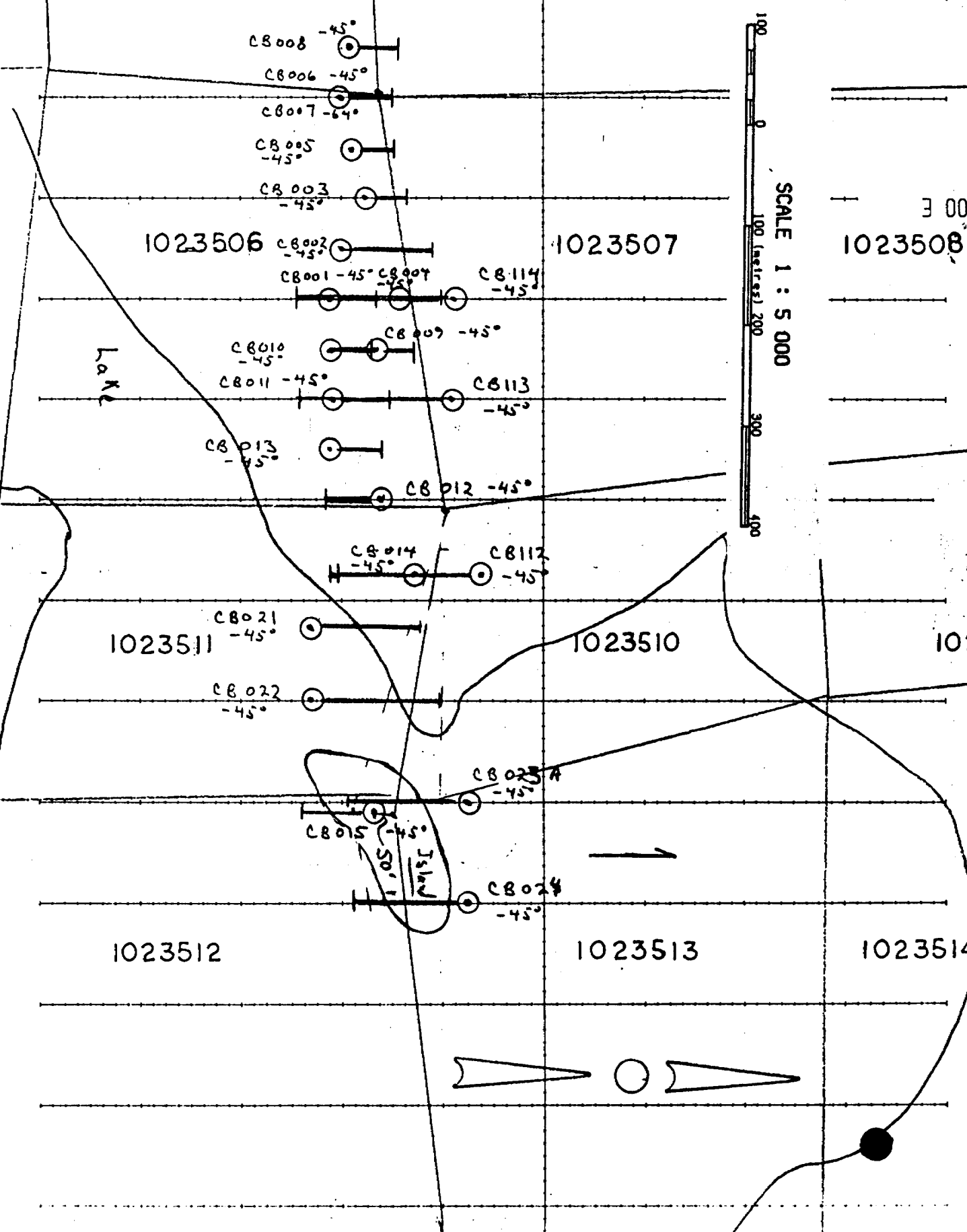
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Lake

SO. Island

CB008 -45°  
CB006 -45°  
CB007 -45°  
CB005 -45°  
CB003 -45°

1023506 CB002 -45°  
CB001 -45° CB004 -45° CB007 -45°  
1023507 CB114 -45°

CB010 -45° CB009 -45°  
CB011 -45° CB113 -45°  
CB013 -45°  
CB012 -45°

CB014 -45° CB112 -45°

1023511 CB021 -45°

CB022 -45°

CB023 A -45°  
CB015 -45°

CB024 -45°

1023512

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009 E  
1023508

*Pulerson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB016  
Collar Eastings: 2300.00  
Collar Northings: -130.00  
Collar Elevation: 0.00  
Grid: OneMan Lake

Collar Inclination: -45.00  
Grid Bearing: 180.00  
Final Depth: 356.00 feet

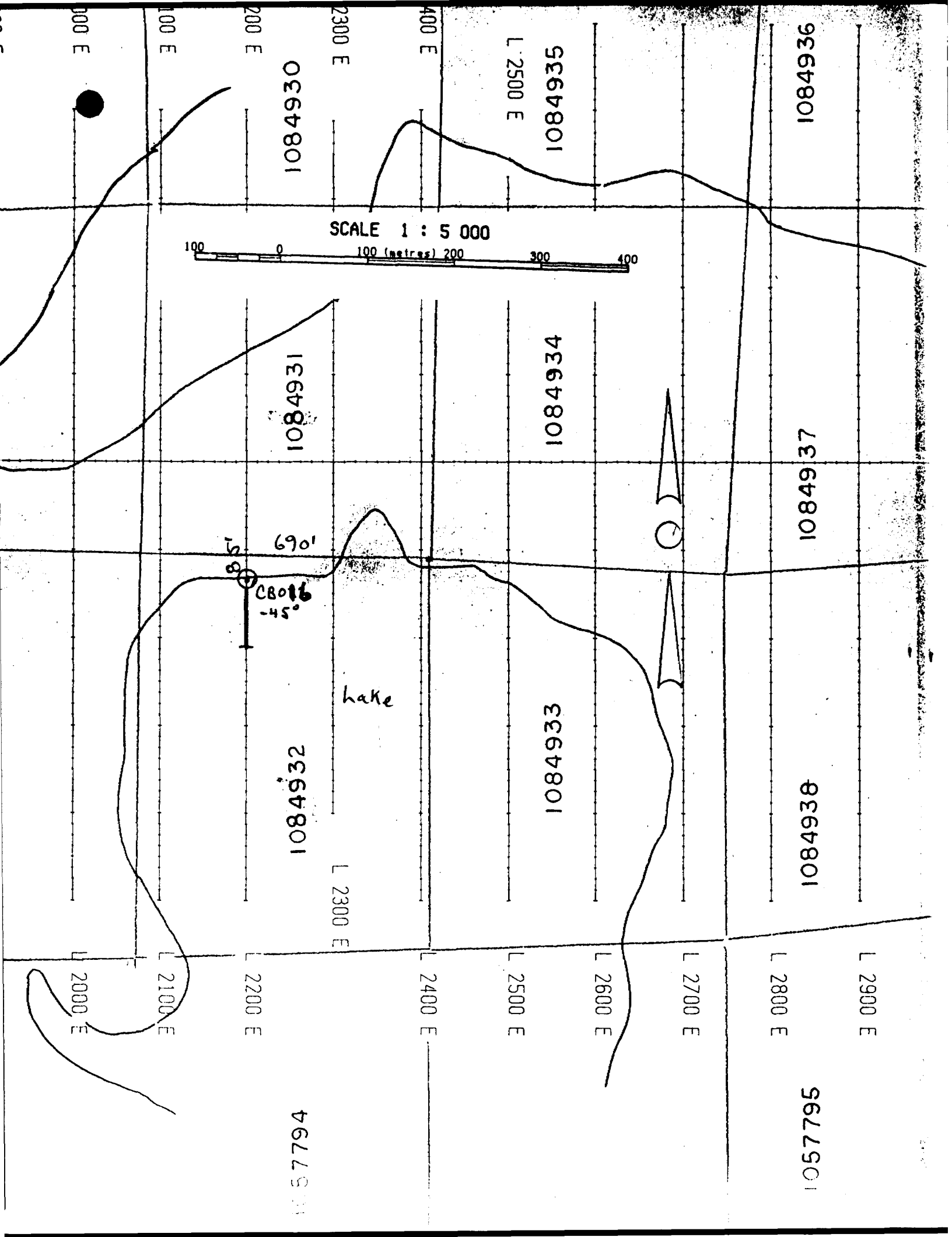
Logged by: I.E.S. Ltd. - P. Barc  
Date: Jan. 13-15/91  
Down-hole Survey:

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS		Sample	
			FROM	TO		WIDTH
0.0	59.0	(CASING)				
59.0	356.0	(GRANITIC) Pink, foliated, generally fg, K-feldspar-qtz-bte. Minor cg+pegmatitic sections. Weak porphyritic texture, weak foliation at 45 to CA. Minor fracturing, foliation variable. NVS. Traces f-cg disseminated mte xls, accessory mineralization. 310.0-311.0 mte 20%, interstitial, sm stringers. 318.0-318.8 f-cg mte 20%, wkly conductive over 3-4cm length  356.0 - E.O.H.	0.00	356.00	356.00	N.S.

HOLE No: CB016

*h o [signature]*



CHAMPION BEAR RESOURCES LTD.

*Paterson*

DIAMOND DRILL LOG

PROPERTY: Champion Bear Resources L  
 HOLE No.: CB017  
 Collar Eastings: 7100.00  
 Collar Northings: -320.00  
 Collar Elevation: 0.00  
 Grid: Oneman Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 416.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Jan. 17-19/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
0.0	7.0	(CASING)	0.00	7.00	7.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
7.0	51.5	(AMPHIBOLITE-GARNETIF. SECTIONS, MINERALIZED)	7.00	12.50	5.50	0	7	122	24	11	7.14	3354
		Green black, fg, hbl-qtz-bte schist, green white banded,	12.50	17.20	4.70	0	8	150	24	11	5.68	3355
		qtz-epidote, po-qtz on bands 20%, conformable. 30% f-cg	17.20	22.00	4.80	17	8	267	27	12	7.42	3356
		pink garnet-hbl-ep-bte schist-plag sections.	22.00	26.70	4.70	14	12	244	29	12	7.41	3357
		Inhomogenous texture, sections banded amph. with po	26.70	31.40	4.70	0	14	256	37	9	11.50	3358
		stringers, garnetiferous sections+po stringers, braided	31.40	36.00	4.80	9	10	221	34	10	6.41	3359
		texture.	36.00	41.00	5.00	5	8	120	18	10	4.60	3360
		Generally well foliated at 55 to CA.	41.00	46.00	4.90	10	44	344	20	12	11.30	3361
		po 30%, py 1% to 51.5'	46.00	50.00	4.70	14	20	176	26	9	6.56	3362
		Minor po-massive sulfide/brecciated sections.										
		10.4-10.7 qtz-ep-ng po matrix 70% sulfide breccia										
		18.0-18.5 f-ng garnet 40%, banded, po inc to 20%, py 1%.										
		28.7-29.2 po 75%, qtz+fg+ep-qtz clasts 25%; sulfide breccia										
		29.2-38.0 minor po+py 10%										
		36.0-44.0 f-cg garnet 20%, po 10%										
		44.0-44.8 Sulfide breccia; 75% po str, 25% fg qtz-epidote										
		rounded+pebble size clasts.										
		44.8-51.5 f-cg garnet 30%, minor braided garnet-py schist,										
		po+py 10%.										
51.5	82.0	(AMPHIBOLITE-BANDED)	50.00	55.30	4.70	19	10	76	30	11	3.90	3363
		Similar to previous section, minor garnetiferous sections,	55.30	60.00	4.70	NIL	7	83	17	9	3.49	3364
		decrease in po banding to 68%, py 2%.	60.00	64.80	4.80	NIL	64	90	19	10	3.82	3365
		Well foliated at 50 to CA. hbl 70% qtz 10% ep 20%, plag, white+	64.80	69.40	4.60	5	134	192	35	7	6.02	3366
		pale green ep-plag-qtz on bands.	69.40	74.20	4.80	10	46	328	49	10	10.00	3367
		74.0 Folial folding, 3 sections.	74.20	79.00	4.80	NIL	19	280	44	6	9.05	3368
82.0	159.3	(AMPHIBOLITE-BANDED)	79.00	83.00	4.80	NIL	30	170	32	7	7.19	3369
		Black, green white banded. fg hbl 60% qtz schist. 40% ep-	83.00	148.70	64.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		hbl-plag banded, on scale. Well foliated at 45 to CA.	148.70	153.60	4.80	5	23	277	46	8	4.90	3370
		Gradational from previous unit. Isolated, minor qz garnet										
		.3' sections. Traces diss py along fol'n planes.										
		Minor fg on po+py stringers.										
		Minor sections qtz+bte 5-10% schist-felsic sections?										
		118.0-118.2 Orange/white banded schist, vns, musc. sh-folded.										
		133.4-133.6 Broken core, talc?, actinolite, abear?										
		133.4-136.0 Felsic-qtz+bte schist										
		145.0-159.3 vlg, qtz, garnets 5%, bte, felsic?										

SOLE No: CB017

*h Q [Signature]*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Resources L  
HOLE No.: CB017

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
		148.7-153.6 po-qtz,py-qtz bands,sp-qtz-plag bands 156.2-156.3 Orange,banded,k-feldspar-qtz-nusc.schist.										
153.3	193.3	(AMPHIBOLITE-GARNETIFEROUS) Garnet60%-bte25%-qtz-hbl-plag schist. Pink garnet,f-cg,inhomog. dist'n over section Well banded-bte-qtz-garnet/Qtz-plag(white),foliated at 45 to CA.trace lg py+ms conformable stringers. Aspy 3mm stringer at base of section. Garnet decrease to 0% to base of section,grain size increases. 196.0-191.5 no garnets 191.5-193.3 pink,cg garnet 50% 193.2-3 no aspy,po stringers,sp-qtz-plag bands.	153.60	191.50	37.96	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
193.3	219.3	(AMPHIBOLITE) Black,vfg,massive to weakly foliated at45 to CA.Minor sp-qtz-plag an green white bands-2% Gradational contacts,Increase white-pale grey colour to base of section.Minor mg garnets,pink,2% 200.0-209.0 Broken core	191.50	194.00	1.50	15	537	113	60	11	3.21	3371
219.3	256.0	(AMPHIBOLITE-BANDED,GARNETIFEROUS SECTIONS) Black,minor green/white bands. Fg hbl70%-qtz schist,minor bte,garnetiferous sections, 30-40% garnets.Generally well foliated at45 to CA. 5-10% ep-hbl-plag-qtz pale green bands,an scale. 10mm py conformable stringers,po?,bte5%,inc.to15% by base of section.Arbitrary contacts,gradational. 219.3-223.8 cg garnet25%.bte 223.5-223.8 Broken core 229.0-233.0 cg garnet30%,30% an py bands,trace bte. 241.3-241.4 schistoce,po,py stringers 30%. 241.4-246.5 minor py 246.5-249.0 po,py25%,ag garnet10%,bte. 249.0-255.0 po,py15%-an bands,bte bands inc.to 19% 255.0-257.0 bte inc. to 15%,py5%	194.00	227.00	33.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			227.00	230.10	3.10	15	31	107	56	9	4.03	3372
			230.10	233.30	3.20	23	200	49	37	8	5.16	3373
			233.30	235.70	2.40	10	166	140	29	11	4.08	3374
			235.70	238.00	2.30	7	16	44	28	11	3.52	3375
			238.00	241.00	3.00	9	5	60	33	10	3.99	3376
			241.00	244.00	3.00	15	3	61	63	10	5.47	3377
			244.00	246.50	2.50	30	5	60	76	17	5.30	3378
			246.50	250.00	3.50	65	6	168	71	15	7.83	3379
			250.00	255.00	5.00	27	24	129	104	71	6.75	3380
256.0	287.0	(AMPHIBOLITE-MINERALIZED,GARNETIFEROUS SECTIONS) Gradational from previous unit. f-ng,black/grey banded,10%green-white(ep-qtz-plag-bte) bands.hbl60%,qtz20%,bte15%,diss po,py5%-black banded sections.Garnetiferous sections:f-ng pink garnet 30%, bte20%,qtz20%,hbl10%,po,py20%,py,po.Garnet sections	255.00	256.30	3.30	19	37	80	116	16	6.62	3381
			256.30	263.20	4.90	NEL	42	99	234	62	7.16	3382
			263.20	267.00	4.60	56	48	96	200	50	6.70	3383
			267.00	272.70	4.90	71	33	110	266	121	6.24	3384
			272.70	277.20	4.50	66	58	161	340	50	6.79	3385
			277.20	282.00	4.80	112	63	143	732	64	8.07	3386

HOLE No: CB017



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Resources L  
HOLE No.: CB017

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		white-black(plag-bte)speckled. Generally well foliated at 50to55 toCA. Weak braided-brecciated-augen texture in garnet-qtz-bte po/py sections.Minor contorted foliation sections. 257.0-266.0 garnet10%,bte10%,py20% 261.6-261.7 qtz-py70% matrix sulfide breccia. 266.0-272.0 garnet30%,py+po an stringers,30%,banded,weak braided texture,bte10%. 277.3-287.0 dec.in po+py to < 25%. minor,2-1' sections po+py40%,ng bte25%,minor ng garnets.	282.00	287.00	5.00	55	57	173	541	65	4.01	3387
287.0	297.2	(AMPHIBOLITE) Grey-black,minor banding,foliated schist,bte-qtz bands10%. fg hbl50%,bte20%,qtz,plag,py5%-fg disseminated.Minor ep- bte-qtz bands.Sharp contact with above unit. Weak fg-speckled black/white texture.	287.00	289.00	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			289.00	291.00	2.00	28	42	117	198	35	5.32	3388
			291.00	296.00	4.20	18	11	102	85	34	6.64	3389
297.2	326.0	(AMPHIBOLITE-GARNETIFEROUS) Hbl-garnet-bio-qtz schist.Weakly mineralized-po+py. Banded fg hbl-qtz-bte schist,minor ep-qtz-plag,bte-qtz-py bands.Sections f-cg pink garnet40% over 2-3' sections,bte increase to25% in garnetiferous sections. Arbitrary contacts based on increase in garnet,biotite. Py inc.to10% in garnet sections. Inc.in qtz,bte,ep banding to base of section. Decrease in hbl content to<10%. Increase in py an stringers to>10% to base of section. 294.0-294.4 Broken core 304.0-305.0 Minor kink folding,folial folding 306.0-309.0 "	296.00	299.90	3.90	12	20	87	71	13	5.69	3390
			299.90	306.40	6.50	16	84	130	126	13	7.03	3391
			306.40	310.00	4.60	45	8	144	183	13	6.41	3392
			310.00	314.70	4.70	23	30	128	96	11	5.71	3393
			314.70	319.50	4.80	21	40	104	103	14	5.89	3394
			319.50	324.30	4.80	21	22	85	135	10	6.60	3395
			324.30	326.00	1.70	25	8	111	174	21	6.28	3396
326.0	339.0	(QTZ-BTE-GARNET-PO-PY SCHIST) Similar to garnet-bte-po-py braided schist-256-287. sections.Similar to previous section,inc.qtz,bte,po,py, decrease hbl. Qtz50%,bte20%,10%ng pink garnets,po+py20%.Irregular po+py stringers,blebs,an scale,30%.Arbitrary top ct., sharp lower ct.	326.00	329.00	3.00	100	16	282	1067	25	6.64	3397
			329.00	332.70	4.70	49	17	207	293	35	7.33	3398
			332.70	337.00	3.30	48	39	275	675	36	7.91	3399
			337.00	339.00	2.00	42	13	140	144	64	6.87	3400
339.0	343.2	(AMPHIBOLITE-BANDED) Fg,green black,white-green speckled,banded. Gradational from previous unit.Banded hbl-qtz/qtz-plag-ep/ bte bands.Hbl50%,qtz30%,bte15%,3%plag+epidote.Traces fg py	339.00	343.00	4.00	41	11	137	64	20	5.48	3401

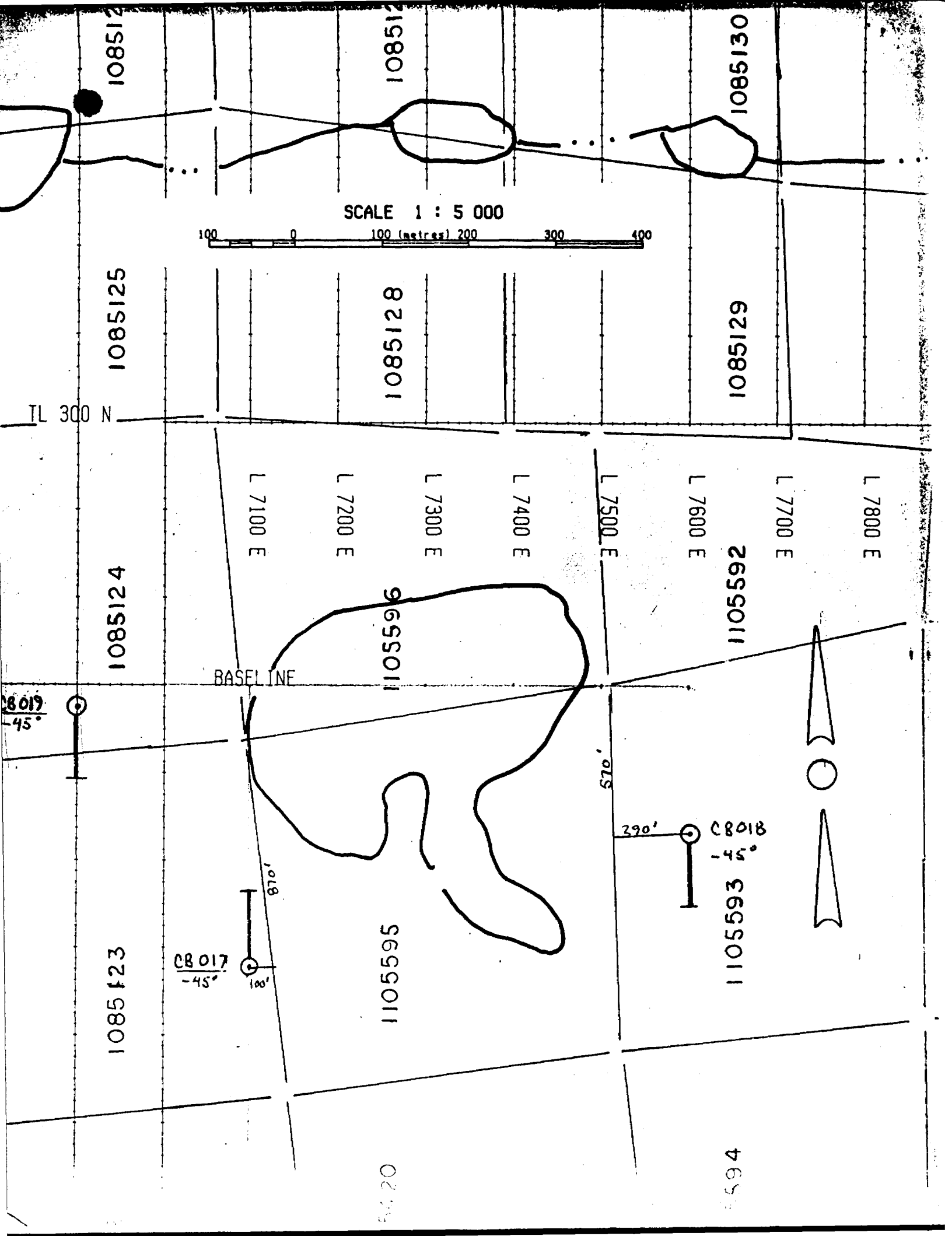
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Resources L  
 HOLE No.: CBO17

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)
343.2	345.0	(GRANITIC) Fg, orange/white, hbl-bte-3.1' inclusions, fg py in inclusions .6' 70%py sulfide breccia at top of unit, .1' ss at base of unit, vuggy, hbl. K-feldspar-plag-qtz.	343.00	345.00	2.00	101	70	294	89	15	9.08	3402
345.0	363.0	(AMPHIBOLITE-BANDED) Green-white/black banded schist. Fg hbl-qtz30% schist, ep- plag-qtz-hbl bands 30%, minor bte sections, bands, 10%. Well banded, foliated at 35 to 40 to CA. 345.0-346.5 Broken core, .3' qtz-ep-py30% shear? mafic alt'd? 348.0-349.2 Orange white, fg gran. peg., wkly schistose cts. 357.0 traces fg py.	345.00	347.00	2.90	48	13	150	133	23	7.21	3403
			347.90	356.00	8.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			356.00	357.50	1.50	7	378	124	86	8	3.56	3404
363.0	416.0	(AMPHIBOLITE-BANDED, GARNETIFEROUS SECTIONS) Gradational from previous unit. Fg green black schist, hbl- qtz/ep-plag-hbl banded. Sections mg-cg pink garnet to 60%, bte to 20%, qtz 20%, traces py. Garnetiferous sections 60% of unit. Finely banded, foliated at 45 to CA., variable to 70 to CA near to 416. Weakly schistose in sections, minor broken core, with plag-qtz-ep-py cu x-frax infillings. 349.0 x-fractures, qtz? ep-plag infilling, lcn. 376.0-377.0 Broken core										
		416.0 - E.O.H.										



1085123

1085125

1085124

1085123

1085128

1085128

1105596

1105595

1085130

1085129

1105592

1105593

1105594

TL 300 N

L 7100 E

L 7200 E

L 7300 E

L 7400 E

L 7500 E

L 7600 E

L 7700 E

L 7800 E

BASELINE

CB 017  
-45°



CB 017  
-45°  
100'



870'

390'



CB 018  
-45°



54.20

SCALE 1 : 5 000



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

*Paterson*

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB018  
 Collar Eastings: 7600.00  
 Collar Northings: -163.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 380.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Jan. 21-23/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
0.0	3.0	(CASING)										
9.0	47.1	(AMPHIBOLITE-BANDED, GARNETIFEROUS) Grey-black-white banded, fg hbl-garnet-bte schist, f-cg pink garnetiferous sections 80% of unit. Garnet to 50% in sections. Hbl40X, garnet30X, qtz10X, plag10X, bte10X. Banded-hbl qtz/plag qtz/bte hbl. Banded on mm scale, foliated at 40 to CA. Traces fg py, minor section py40X-qtz-ep-hbl-bte schist(1') vuggy. 9.0-31.1 uniform texture, 40mg garnet. avs 31.1-37.3 garnet20X 37.3-40.0 minor garnet, .4' py40X-qtz-bte30X-ep schist, banded, crenulated, vuggy, whly schistose. 40.0-44.0 garnet30X, py10X-mm bands, .3' section 44.0-45.0 trace garnet, .3' po60X-qtz schist, sharp cts. 45.0-47.1 garnet25X	9.00	33.00	33.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			33.00	36.00	3.00	15	93	112	103	2	4.21	3438
			36.00	40.40	4.40	18	98	127	126	2	6.97	3439
			40.40	45.00	4.60	14	322	83	114	1	6.18	3440
			45.00	47.10	2.10	23	210	126	134	2	6.91	3441
47.1	50.7	(AMPHIBOLITE-ALTERED) Garnetiferous amphibolite with qtz-plag?fg dike. Appears that sodic fg granitic dikes(2-1') intrude mafic schist, producing qtz-ep banded section, pervasive alt'n of hangingwall unit. 47.1-47.8 Qtz-ep non foliated, sharp top ct. alteration of mafic schist. 47.8-48.9 Banded-qtz40X, vfg garnet20X, bte10X, hbl10X, ep10X, po+py10X schist. 48.9-50.7 Qtz-plag dike, sharp contacts, xenoliths-mm to .1' bands-ep-vfg garnet-hbl-po+py15X, traces mg aspy euhedra	47.10	50.70	3.60	87	758	125	43	2	4.22	3442
50.7	52.0	(AMPHIBOLITE-GARNETIFEROUS) Similar to previous unit(9'-47'), mg pink garnet60X, in black schist(bte30X-hbl20X) weakly foliated. Minor py.										
52.0	53.0	(QUARTZ-PLAG-HBL-EP GRANITIC DIKE) White, fg, banded, sharp top ct, trace py.										
53.0	57.1	(AMPHIBOLITE-ALTERED, GARNETIFEROUS) Banded garnet-ep-bte-hbl schist. Pink mg-cg garnet to 60% of sections. Alteration halo near granitic dike. Inhomog-	50.70	55.00	4.30	38	399	129	38	9	4.97	3443

HOLE No: CB018

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB018

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Pc(%)
		enous texture.composition.Minor(.05')qtz-plag dikes. traces py. 53.3-53.7 Crumbly, leached, schistose, oxidized. Garnet-ep schist, py, broken core. Sheared? Green/pink/black mottled-irregular banded schist, with a pea green vuggy, banded section-crumbly. 53.7-57.1 Banded-garnet-bte-hbl-ep. Garnet 60%, wkly breccia- iated-augen texture garnets, wkly braided schist.										
57.1	76.2	(GARNET-BTE-HBL SCHIST) Different than previous sections; Garnet ng-cg to 80%, bte-hbl matrix. Weakly banded. Minor qtz-plag dike with alteration halo, similar to previous section. Traces py. 57.1-60.0 F-ag garnet 50% 60.0-60.9 .8' qtz-plag dike, ep-vfg garnet schist-alt'a halo. po+py stringers 5% 60.9-63.2 Garnet 70%, bte 20%, hbl 15%, ep 5% schist. 63.2-65.4 ng garnet 20%, minor po/py on bands, hbl-ep schist, po/py bands concentrated in .2' 40% garnet section, minor bte. 65.4-76.2 Garnet cg, 80%, minor po blebs, stringers, 5%, traces interstitial py. 66.4-66.6 Aspy 5%, po.	55.00	69.00	4.00	9	214	90	75	3	4.47	3444
			69.00	61.00	2.00	25	516	89	63	4	4.12	3445
			61.00	62.00	1.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			62.00	64.90	2.90	63	454	72	50	3	4.55	3446
			64.90	66.00	1.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			66.00	70.00	4.00	11	1500	63	21	3	3.82	3447
			70.00	75.00	5.00	33	522	82	19	5	3.87	3448
76.2	92.0	(AMPHIBOLITE-BANDED) Minor garnet (5%), decrease to 0% by base of section, gradational contact with previous unit. Contact based on absence of 80% garnet. Black-grey banded; lg hbl 50%, qtz 20%, ep 5%, bte 5%, 5% pink garnet, 15% po+py, concentrated in 3-1' sections, on bands. 76.2-79.0 garnet 5%, py stringers 5% 80.0-81.8 po 25%, py 20% weakly braided-py-po-hbl-qtz-ep schist, on to cu po/py bands. trace lg garnet. 86.0-87.5 .4' po-ep-qtz, po 50%, po as disseminated+irreg. braided stringers. (ep-qtz-hbl fragments cemented by lg po) minor on po bands in bw. Ng garnet 20% 87.5-90.0 trace lg garnet, 25% po+py 90.0-92.0 F-cg garnet 15%, .2' po 10%, py 10%, qtz-ep lg clasts Pg massive sulfide section, sharp contacts.	75.00	79.70	4.70	12	173	66	16	2	3.22	3449
			79.70	84.50	4.80	25	89	211	20	4	6.23	3450
			84.50	86.50	2.00	9	71	47	16	3	2.88	3451
			86.50	91.50	5.00	11	91	92	27	4	6.33	3452
92.0	93.4	(GARNET-BTE-HBL-EP-QTZ SCHIST) Garnet 60%, cg, pink, traces po+py, weakly foliated. Sharp cts.										
93.4	96.0	(MASSIVE SULFIDE-PO) 93.4-94.0 Top contact-braided-po/qtz/ep-hbl schist, po 80%.										

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		94.0-94.5 MS-po70X, matrix, fg subrounded qtz clasts 20%.										
		94.5-95.1 Banded po/ep-gtz-hbl schist, po60X.										
		95.0-96.0 Brecciated, pebble size angular hbl schist frags., rounded cg qtz clasts. Matrix: po75X, weakly contorted fabric, sharp bta contact. Minor cg garnet at base of section. 2'.										
96.0	125.7	(AMPHIBOLITE-BANDED)	91.50	96.50	5.00	21	22	263	82	11	11.20	3453
		Black, pale sections. Fg hbl50X, qtz30X, ep10X schist, minor bte. ep-plag-gtz banding, 5X. Narrow, sharp, conformable sections po70X, py20X, qtz10X stringers, <5X.	96.50	101.50	5.00	8	49	39	25	2	2.43	3454
		Banded, well foliated at 55 to CA.	101.50	103.00	2.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		96.0-103.0 Pale white-plag, bte banding. Alteration in contact margin with previous unit. Bte banding 15X, trace py.	103.00	106.00	3.40	10	86	13	12	3	2.23	3455
		105.7-105.8 Sulfide breccia-po-py-gtz	106.00	113.00	7.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		106.0-113.0 bte banding 20X, trace py.	113.00	117.00	4.50	29	144	150	29	2	7.72	3456
		113.0-114.0 .2', .4' Sulfide breccia, po+py80X, qtz-ep-hbl fragments 20X. Narrow, sharp sections.	117.00	122.30	4.00	26	231	59	25	2	3.70	3457
		116.0-125.0 Pale white alteration-banding near granitic ct.	122.30	124.00	1.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		120.3 .1' po-py-gtz sulfide breccia, vuggy.										
		120.8 .05'										
		121.6 po60X schist, .7' bte, ep, plag banded schist.										
		124.5-125.7 Ct. margin with gran. pegmatite. 2-.1' py-ep-gtz schist sections. Black with fine white-alt'n-stringers.										
125.7	236.6	(GRANITIC)	124.00	127.00	3.00	11	66	42	36	9	2.43	3458
		Pink, cg to pegmatitic, X-feldspar. 3X F-cg magnetite. Weakly foliated at 30 to CA. Minor pink fg garnets	127.00	149.00	22.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		125.7-126.8 Top contact margin, indistinct, brecciated, weak aplonitic texture. Traces fg lithian muscovite. Conformable top contact, cross cut lower contact; 20 to CA.	149.00	153.00	4.00	53	34	36	45	10	2.91	3459
			153.00	224.10	71.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			224.10	227.00	3.50	9	10	10	52	17	0.57	3460
236.6	266.0	(AMPHIBOLITE-WEILY GARNETIF. MINERALIZED)	227.00	237.00	9.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Grey-black, fg hbl45X-qtz15X-ep10X-plag10X-bte3X schist. Po10X garnet 5X. Banded schist, po on stringers, minor massive-sulfide-po sections, minor garnetiferous sections (5X). Po occurs with ep-gtz-plag-garnet bands in <.1' to >.3' sections. Banded ep-gtz-plag-garnet 20X, po. Minor bte bands, 2X. Black-hbl/gtz schist in between banded sections. foliated at 40 to CA.	237.00	241.00	4.00	11	126	66	31	N/L	3.97	3461
		236.6-246.0 3-.1' to .2' sections cg garnet 20X, po 5X.	241.00	246.40	4.00	11	89	61	20	5	2.65	3462
		246.3-247.0 po70X-gtz20X-ep10X-fg sulfide breccia, po banded.	246.40	251.00	4.50	20	245	184	41	4	5.84	3463
		249.0-249.4 py+po30X, ep-gtz-plag-pebble fragments, angular. po+py occur in qtz-plag matrix.	251.00	256.00	4.00	9	30	156	41	4	5.19	3464

HOLE No: CB018

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB018

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)
		250.0-256.0 1'-1' sulfide breccia-po 70% sections. Minor cg garnet, concentrated near NS sections, 20% in NW side near NS sections. Ste5-10% banded.									
256.0	291.9	(GRANITIC) Pink, cg to pegmatitic, minor white sections, similar to previous section. Inhomogeneous grain size, texture. Weakly foliated at 45 to CA. Minor biotite, 3% bi muscovite, 2% pink garnet, 3% py-x-fracture infilling. Cross cut bottom contact with mafic unit. Granitic unit-25 to CA.-contact. Banded Amphibolite-65 to CA. 290.0-291.9 po-interstitial, 1-2' sections, 20%.	256.00	260.00	4.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			260.00	265.00	4.20	6	9	13	11	11	0.60
			265.00	290.00	25.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
291.9	297.3	(AMPHIBOLITE-BANDED, GARNETS, WEAKLY SILICIFIED.) Hbl40%-qtz30%-bte5%-ep10%-plag10%-po5%-po as an bands in ep plag bands. Well foliated, banded. 291.1-294.0 minor fg pink garnet, 20%.	290.00	294.10	4.10	16	21	30	15	6	6.12
297.3	303.5	(MASSIVE SULFIDE-PO) Po 60%, matrix, vfg, clasts-fg, rounded qtz, pebble size. Also ep-qtz-hbl patches-fragments, subangular, 40%. Weakly braided, brecciated, qtz-po, garnet, hbl schists near margins. Traces f-cg Aspy, cpy. 297.3-303.5 Uniform po Sulfide Breccia/Massive sulfide section.	294.10	297.50	3.40	21	21	32	04	5	4.40
			297.50	302.00	4.50	50	16	372	06	30	25.30
303.5	309.0	(QTZ-PO-EP SCHIST, BANDED) Grey/green, weakly braided qtz-po/ep-hbl-plag schist. 40% po, fg disseminated sections irregular banded stringers po to 60% of sections. Weak mylonitic texture, lensoid shape to qtz-ep bands/patches (ca by 3cm) qtz40%, po40%, ep10%, hbl5%, plag5%. Gradational contacts with top/bottom units. Inhomogeneous texture, composition, traces ng Aspy crystals, cpy. Well foliated to whly, banded at 30 to CA. 306.0-307.0 Graphitic, fg, 10%.	302.00	306.50	4.50	92	158	104	343	10	18.00
			306.50	309.00	2.50	35	455	07	213	32	9.80
309.0	314.4	(PO-QTZ SCHIST) Sulfide breccia? Po matrix 60%, irregular, weakly foliated po stringers. Qtz-lensoid to angular fg to pebble size clasts 30%, 10% hbl-ep-qtz fragments/patches. Weak fabric at 40-50 to CA.	309.00	314.00	5.00	N.S.	107	102	60	25	13.70

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB018

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	As(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)
		Fairly uniform texture, composition, gradual upper ct, sharp lower contact. Weak syenitic/braided texture.										
314.4	325.4	(QTZ-PO SCHIST) Banded, fg, qtz+bronze colour po schist, weak braided+irregular+an bands, blebs, bands to .1'. po greatest concentration nearest, in ep-rich bands. qtz50%-po35%-ep10%-plag?5%, muscovite-trace. Weakly banded, foliated schist. Weak brecciated texture. 314.4-316.5 as above 316.5-325.4 fg disseminated po30%, minor irregular po bands, well foliated schist, increase in hbl content. Fairly uniform composition, texture. 322.6-322.7 diss fg muscovite 20%.	314.00	319.00	5.00	91	97	123	74	23	12.40	3472
			319.00	324.00	5.00	95	71	132	85	14	12.80	3473
325.4	327.4	(QTZ-MUSC-PLAG-PO SCHIST) Speckled grey/black/white, an banded, f-ag bte?, diss fg po5%. Trace aspy, cpy. Qtz?0%-musc25%-po5% sharp upper contact, arbitrary lower contact.										
327.4	329.2	(QTZ-EP-BTE-BBL-PO SCHIST) Greenish/grey banded, qtz60%-ep15%, muscovite10%, po10%, bte5%, hbl? Finely brecciated, weakly laminated on no scale. Gradational contacts. Po occurs as fine, an by cm blebs, disseminated fine grains, not as laminations or stringers.	324.00	329.00	5.00	N.S.	100	91	100	13	7.82	3474
329.2	336.4	(QTZ-PO SCHIST/PO SULFIDE BRECCIA-PO SECTIONS.) Po matrix50%, cementing irregular to angular green grey+blue grey fragments, qtz fragments, 50%. Finely brecciated fragments, fg to pebble size, seriate. 329.2-331.0 sulfide breccia, as above, sharp cts, trace aspy. 331.0-331.9 qtz-po schist. 70% qtz, 20% po, <5% cpy, trace epy. graphitic 5%. 331.9-332.0 sulfide breccia-po matrix 50%, graphitic5%, within fragments. Similar to previous breccia section. 332.0-336.4 Banded, qtz70%/po25%-an bands, blebs, graphitic, ep? minor muscovite, trace bte. Decreased po banding to base of section, increased muscovite, biotite to 20, 5%. 334.0-334.8 po 80%, 2cm an, graphitic, fg 10%, black bands. 335.0 an aspy-conformable blebs, an stringer, 20% aspy over .1', po30%, pale green mineral-fuchsinite?	329.00	332.30	3.30	39	616	132	100	23	15.20	3475
			332.30	336.00	3.70	35	606	72	95	16	6.95	3476
336.4	343.5	(QTZ-MUSC-BTE SCHIST)	336.00	340.00	4.00	18	319	34	100	9	3.01	3477

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

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HOLE No.: CB018

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		Felsic-banded-tuffaceous? Grey, dark/lite banded, well foliated at 60 to CA. Qtz 70% musc 20% - bte 10%. no bands, qtz/qtz+ musc-bte. Minor epidote towards base of section. Gradational top contact, sharp bottom ct. Traces po.										
		337.2-337.2 orange mn bands, cm x-cut fracture with 40% py, black mineral-banded, fracture coating, wk vuggy texture.										
		339.0-339.6 Broken core, talcose? slippery, hard, black, shear?										
		341.0-342.0 qtz-lensoid pebble-clasts?, muscovite rims, recrystallised?										
343.5	347.4	(AMPHIBOLITE-GARNETIFEROUS)	346.00	343.70	3.70	23	383	57	200	5	2.09	3478
		70% Pg pink garnetiferous sections alternate with minor felsic-qtz+bte banded schist sections (top of unit), garnet schist alternate with mafic-amphibolitic schist (near btm. of unit). Sharp contacts: top, section to section, btm. Garnet sections 60-80% garnet, bte 15%, 5% po mn bands. Weakly banded.	343.70	347.40	3.70	34	680	186	246	3	2.48	3479
		343.7 Amphib, cg euhedra, po blebs 20%, silic-.1' section at top of garnet schist.										
		343.7-345.0 Garnetiferous section, 80%, avc.										
		345.0-345.5 Silicious section-felsic?										
		345.5-346.0 Garnet 50%, banded, po mn stringers 30%, bte, qtz.										
		346.0-346.4 Amphibolite-banded.										
		Hbl 60% - garnet 10% - ep 5% - qtz 10% - bte 15%, gradational lower ct., avc.										
		346.4-347.4 Garnet 70% - bte schist, banded, trace po.										
347.4	362.0	(AMPHIBOLITE-BANDED, MINOR GARNETIFEROUS SECTIONS)	347.40	350.00	3.40	21	381	174	48	NIL	3.81	3480
		Minor, 30% lg pink garnet sections, 4-2'	350.00	355.00	4.20	19	145	106	31	NIL	1.34	3481
		Minor po-qtz-banded schist section, garnets 10%.	355.00	359.00	4.00	20	330	90	35	4	2.95	3482
		Black, green-hbl 60%, qtz 20%, ep 10%, bte 10% lg schist-miner sections ep-plag pale green banded. Well foliated at 55 to CA. Gradational from garnet to anph. sections-garnet dec. to 0 from 30%, increase, dec. gradually.	359.00	363.00	4.00	8	74	35	134	2	2.75	3483
		Biomite banding.	363.00	367.00	4.00	N.S.	162	167	197	5	2.13	3484
		347.0-348.6 cross-fractured, black mineral.										
		347.4-348.8 Banded/garnet cg, 30-30%, 1'-3 sections. bte, hbl. po, py mn stringers 5%.										
		350.0-357.3 Amphibolite-banded, no garnets, trace py.										
		357.3-359.5 f-ng garnet 25%										
		359.5-366.0 Garnet grades 0 to 5%. 2' section po mn bands 25% qtz.										
		366.0-367.0 lg garnet 25%										

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DIAMOND DRILL LOG

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		367.0-368.0 garnet 5X, grades to 0X by base of section.										
368.0	380.0	(AMPHIBOLITE-BANDED) Grey-black-hbl-gtx schist, minor bte banding (5X), minor ep. bte 5X. Weakly banded, well foliated at 55 to 6A. Uniform composition, texture. 370.0-370.3 po banded, no scale, 20X, trace of pink garnets, bte banding 10X.	367.00	371.00	4.00	5	90	164	65	NIL	3.05	3485
		380.0 B.O.B.										

108512

108512

1085130

SCALE 1 : 5 000



1085125

1085128

1085129

TL 300 N

L 7100 E

L 7200 E

L 7300 E

L 7400 E

L 7500 E

L 7600 E

L 7700 E

L 7800 E

1085124

1105592

BASELINE

1105596

CB 019  
-45°



1085123

CB 017  
-45°



870'

1105595

570'

290'

CB 018  
-45°



1105593



5520

5594

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB019  
 Collar Eastings: 6900.00  
 Collar Northings: -25.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 376.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Jan. 25-27, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	
0.0	7.0	(CASING)									
7.0	182.9	(PORPHYRITIC GRANODIORITE)									
		White, fg, with cg k-feldspar xls, plag xls. Weak porphyritic texture in sections. Fg bte 5%. Weak bte banding, mineral foliation at 50 to CA. Minor mg pink garnet. NYS. Weak braided texture towards base of unit-wk mylonitic texture?	0.00	140.70	140.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		17.1-18.4 mafic-amphibolitic xenolith. Fg hbl-ep-qtz schist with f-mg garnet bands, 25% av.	140.70	144.00	3.30	6	11	10	47	28	0.78
		141.2-142.3 pegmatitic, pink section, k-feldspar, 3% Ksp, mg, 5 xls., ca band, muscovite, py 5%.	144.00	182.00	38.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
189.2	201.6	(AMPHIBOLITE-GARNETIFEROUS, WK MIN'D SECTIONS)									
		Grey-black, fg hbl-qtz schist, traces bte. Pink garnets, banding, mg-cg garnet, disseminated, 30-40%. Generally well foliated at 35 to CA. Traces py. Minor pale green ep-qtz banding. Fairly uniform texture, composition. Minor sections without garnet. Sulfide occurs as weakly conductive coatings along fol'n planes. Py 5-10% over narrow .1-.3' sections in garnet schist. py also as coatings along x-fractures. 182.9-183.2 py 5%, no stringers, near gran. ct. margin. 190.5-191.0 qtz-hbl schist, py traces, white colour-plag. 197.4-197.8 contorted foliation.	182.00	186.00	4.00	6	75	126	195	5	6.01
			186.00	191.00	5.00	22	71	133	153	6	5.15
			191.00	196.00	5.00	9	55	71	112	6	4.07
			196.00	201.00	5.00	6	52	104	119	6	4.70
201.6	205.3	(GRANITIC)									
		Pink, cg, k-feldspar pegmatite, musc. 5%. Conformable contacts, trace py. 204.0-205.3 Weak braided texture, musc./k-spar grains, Weak mylonitic texture?	201.00	205.30	4.30	13	27	33	45	26	1.86
205.3	209.0	(QTZ-HBL-BTE SCHIST/QTZ-HBL-GARNET-BTE SCHIST)									
		Gradational from Pale green, vfg qtz 80%, hbl 10%, bte 10% ep?, trace py., vfg schist to pale grey banded, garnet 40%, qtz-hbl-ep 10% bte schist. Disseminated fg pyrox stringers, 5%, in garnet rich section. Conformable contacts. Minor py along x-fractures. 205.3-207.0 Pale green, trace garnet 207.0-209.0 Garnet 40%, minor section 70%, py stringers.	205.30	209.00	4.50	NIL	47	81	224	11	5.16

HOLE No: CB019

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CBO19

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		208.0-208.2 70% garnet-greatest concentration.										
209.8	214.6	(GRANITIC) Similar to previous unit. Pink,fg,white,ng plag xls,wh porphyritic texture. Weak mylonitic texture-braided. Sections bte to 70%,sections py to 5%,an bands,anastomosed, weakly conductive.Brecciated,mylonitic contact margins, traces py,an bands.Traces fg garnets.Weak banding,fol'n at 50 to CA.	209.80	214.00	4.20	8	35	46	92	12	2.63	3508
214.6	233.0	(PELCSIC-GARNETIFEROUS) Similar to btm 1/2 of previous section. Grey black,fg hbl?,qts50%,bte20%,garnet30%,po,py 10% schist.Weak foliation at 50 to CA. Sulfides as fg disseminated grains along fol'n planes, minor an stringers.Garnet as pink,f-ng disc. grains, uniform distribution.Foliation variable,sections30 to CA. Sections wh qts banded,wh bte-braided texture. 215.3-218.0 Minor broken core,fractures,talcose coating, Moderately conductive black mineral-graphitic?Py 10-20%, bands,silicious section-60% qts-weakly silicified, muscovite.Contact margin with granitic unit. 221.0-224.0 Fol'n at 30 toCA,an py bands 20%,weak mylonitic texture. 227.6-227.7 Qtz-vein,bte 60% margins,ca py stringer.	214.00	218.00	4.00	7	20	73	376	NIL	4.82	3509
			218.00	223.00	5.00	NIL	20	82	341	NIL	5.21	3510
			223.00	228.00	5.00	NIL	15	87	184	2	5.10	3511
			228.00	233.00	5.00	NIL	18	73	124	2	5.24	3512
233.0	234.0	(GRANITIC) Pink,f-ng,wh mylonitic fabric,bte-bands wrap k-foldapar grains,weak augen texture.Top contact 30 to CA.Minor py an stringers near margins.										
234.0	235.7	(PELCSIC-GARNETIFEROUS) As above,less garnet,15%,less bte,minor py.Minor qts an- ca banding. 235.7-py an stringers along granitic top contact margin.	233.00	235.70	2.70	NIL	14	44	75	11	3.18	3513
235.7	237.8	(GRANITIC) Pink,fg,+assimilated garnet schist section.Traces py along fractures.Sharp contacts.	235.70	237.80	1.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
237.8	239.4	(PELCSIC-GARNETIFEROUS) Similar to previous. Grey-black,fg,weak crenulated fabric.Bte-hbl?qts-garnet										

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO19

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		schist, 20% fg garnet. Traces fg py along fractures, py2-5%.										
239.4	241.4	(GRANITIC) Similar to previous. Muscovite 10%, Minor black, garnetiferous bands, 3-.1'; assimilated xenoliths. Traces py-weakly conductive-coatings along fractures near margins.										
241.4	248.2	(AMPHIBOLITE) Black, hbl-qtz schist, weakly foliated at 40 to CA. Uniform texture, composition. Minor garnet section, 10%/.2'. Traces fg py.	237.00	241.70	4.70	5	46	33	74	13	2.57	3514
249.2	249.9	(GRANITIC) Pink, ag, foliated at 50 to CA, sharp contacts, weak porphyritic texture, bte 20%, weak braided texture. avo.										
249.9	262.5	(AMPHIBOLITE) As above.										
262.5	272.4	(AMPHIBOLITE) Hbl-qtz-bte 5% schist. Speckled grey-black schist. Grad- ational from previous unit. Weakly foliated at 45 to CA. Traces py, in .1' qtz-banded section near granitic top ct. 272.4 trace py, ct margin										
272.4	276.0	(GRANITIC) Pink, pegmatitic+fg sections. Muscovite+bte 10%, weak banding, foliation at 45 to CA. Pegmatitic margins, bte.	241.70	275.50	33.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
276.0	279.9	(AMPHIBOLITE) As above.										
279.9	281.0	(GRANITIC) As above, fg pink, muscovite 10% 280.0-280.3 Mafic-weakly assimilated, py 10%, an banding. 280.8-281.2 Contact margin, bte 20%, py 10%.	275.50	280.50	5.00	13	310	31	162	9	3.13	3515
281.0	295.0	(FELSIC) Grey black, qtz 20%, bte 5% schist. Hbl? Weakly bte banded, qtz banded. Minor py banding, traces Aspy. Minor qtz-bte-py 5% lenses/bands to ca.	280.50	285.50	5.00	14	165	22	70	2	3.06	3516
			285.50	288.50	3.00	7	85	28	70	2	3.17	3517
			288.50	293.50	5.00	17	56	36	77	3	3.16	3518

HOLE No: CBO19

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB019

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)
		Fairly uniform texture.composition. 280.0-284.0 10% bte banding. 284.0-286.0 Section qtz-hbl-bte5%,moderately silicified? Traces aspy in py on band.py5%.-285.1' 286.0-302.0 Minor qtz,qtz-py banding, traces f-ng garnet.py.										
302.0	302.8	(GRANITIC) Pink,og,bte,qtz banding,contorted,py20%.Weak aylonitic texture,wh white banding,x-cut contacts?	293.50	299.00	5.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
302.8	304.5	(PELSIC) Similar to previous,weak banding,qtz-bte,py20%.Foliated at 20 to CA.Py as bands+irregular stringers.	299.00	304.00	5.00	7	64	72	175	4	5.53	3537
304.5	319.6	(GRANITIC) Pink,ng,pegmatitic sections,nylonitic,contorted texture, muscovite,biotite contact margin.1.'silicified section, po40%,qtz-bte schist,assimilated xenolith. granite weakly foliated,muscovite5%,biotite. Bottom contact at 15 to CA.Granite generally foliated at 45 to CA.	304.00 308.00	308.00 319.00	4.00 11.00	18 N.S.	52 N.S.	160 N.S.	79 N.S.	32 N.S.	7.44 N.S.	3538 N.S.
319.6	329.0	(PO-QTZ-SULFIDE BRECCIA+QTY-PO-BTE SCHIST SECTIONS.) Breccia gradational lower ct.Traces aspy.Minor(3-.3') granitic sections. 319.6-320.3 Contact margin-qtz-bte-k-feldspar,contd,banded schist. 320.3-320.7 py-qtz-bte weak brecciated schist py35%,bte30%. 320.7-321.5 qtz schist,minor py banding. 321.6-324.0 Sulfide breccia;po-py60%,py cg blobs,<5%. po+py matrix,qtz clasts,fg-cg,angular+rounded fragments. matrix supported breccia,weak banding at 25 to CA. 324.0-329.0 po-qtz-bte schist Gradational upper contact.Po,py banding,dissiminated fg, bte banding,dissiminated grains.Traces aspy,327.0-328.0. Minor.1' section po-py irregular stringer. Sulfide content decrease from 50% to 20% to base of section 325.8-326.0 granitic,pink,ng,x-cut contacts.NVS. 329.0-333.8 qtz-bte-po-py schist,muscovite5%,bte20%,pale green milky qtz banding,po>>py,po banding 15-20%. Weakly banded,well foliated schist,fol'd at 25 to CA. 328.0-328.8 k-feldspar grains 25%,ng,bte banding 25%.	319.00 324.30	324.30 329.00	4.70 4.70	43 16	91 1390	350 173	213 331	32 8	9.35 8.63	3539 3540
329.0	336.4	(QTY-BTE-PO-PY SCHIST)	329.00	333.00	4.90	5	220	127	130	8	8.28	3541

CHAMPION BEAR RESOURCES LTD.

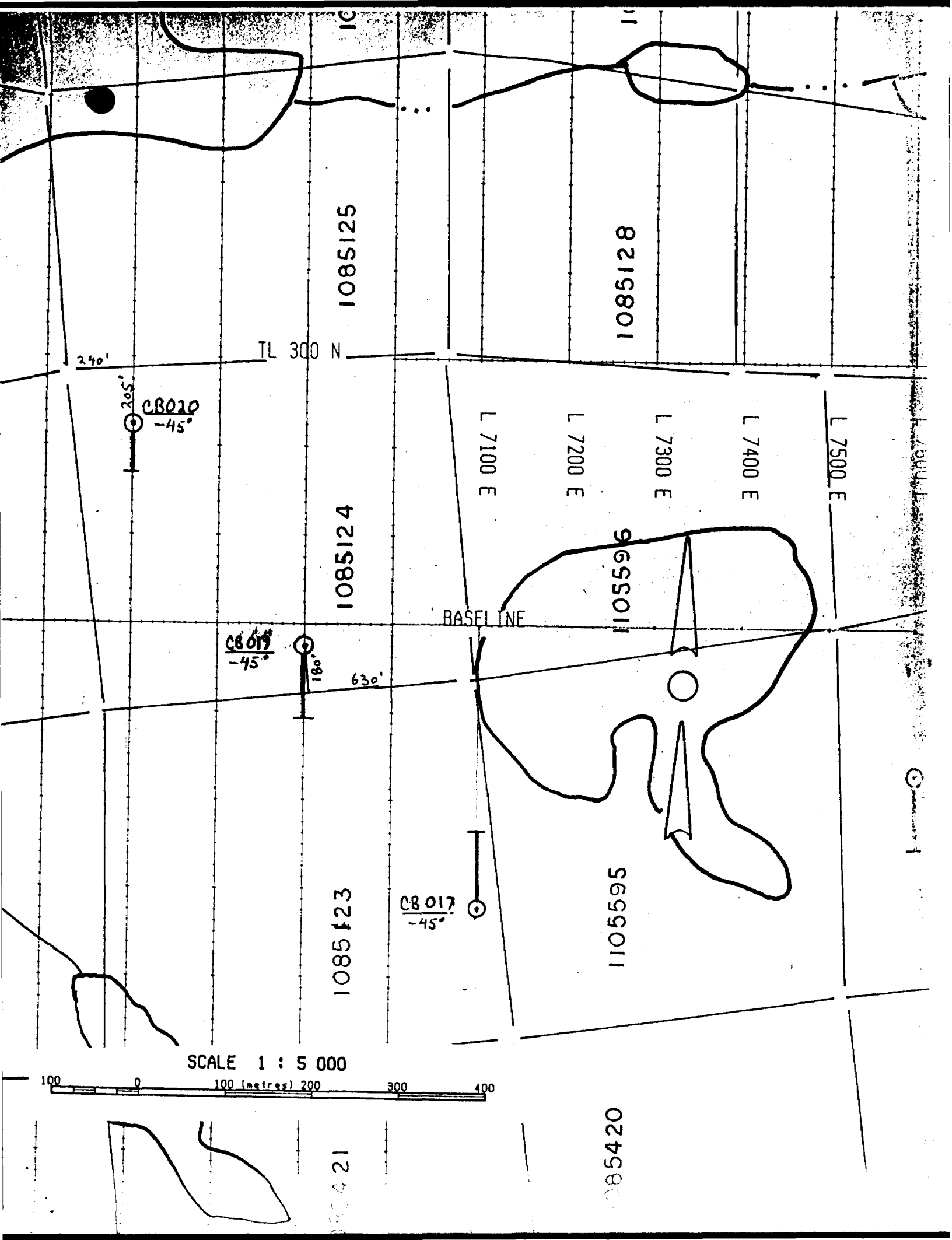
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO19

Page 5

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Qtz-bte20%-musc.5%,pale green milky qtz banding,po>>py, Po banding 15-20%,bte 20%,banding + lg disseminated xls. Weakly banded,well foliated at 25 to CA. 329.0-330.0 25% K-feldspar grains,bte banding inc.to 35%.	333.90	336.40	2.50	14	417	250	185	NIL	10.30	3542
336.4	337.7	(GRANITIC) Pink,fg,weak mylonitic texture,bte banding,foliated, contacts at 30 to CA. Traces py along fracture.										
337.7	354.0	(ANPHIBOLITE-WE BANNED) Fg green black,hbl-qtz-epidote schist,bte banding 5%, minor py banding.Traces garnet,banding.Minor pale green banding.Minor sections-to.4' qtz band,garnet,bte banding in mafic schist near qtz band margins.	336.40	341.00	4.00	11	229	72	49	NIL	2.25	3543
			341.00	346.00	5.00	11	334	82	40	NIL	2.32	3544
			346.00	351.00	5.00	5	291	89	36	NIL	2.89	3545
354.0	359.3	(QTZ-BTE-PO-PY SCHIST) Pale grey,banded-bte,po,py.Minor mg garnets. Po 25%,py.Foliated at 50 to CA.Po,py decrease to base of section.	351.00	356.00	5.00	18	197	216	184	NIL	6.81	3546
			356.00	359.30	3.30	14	180	236	990	2	10.00	3547
359.3	376.0	(GRANITIC) Pink,mg,minor cg to pegmatitic section.Muscovite 5%,bte5%. Minor sections qtz-bte-po banded-xenoliths? 361.5-362.9 qtz-po-bte banded; qtz30%,po40%,bte30%.Weak braided texture,xenolith. 371.8-373.2 crenulated,banded qtz-bte-po schist,po30%, minor mg garnets,bte 40%.Weakly assimilated xenoliths. 373.5-373.7 as above.	369.30	369.10	3.00	30	49	110	774	8	6.07	3548
			363.10	371.00	7.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			371.00	374.00	3.00	67	36	87	218	13	6.31	3549
		376.0 N.O.H.										



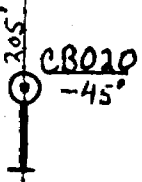


1085125

1085128

240'

TL 300 N



1085124

L 7100 E

L 7200 E

L 7300 E

L 7400 E

L 7500 E

BASELINE

CB019  
-45°



630'

CB017  
-45°



1085123

1105595

1105596

SCALE 1 : 5 000



1085421

1085420

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB020  
 Collar Eastings: 6700.00  
 Collar Northings: 225.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 256.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Jan. 31-Feb. 1, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample	
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)		
0.0	5.0	(CASING)											
5.0	87.2	(AMPHIBOLITE-BANDED) alternating light and dark green bands with narrow brownish biotite rich bands; 10-15% whitish plag. rich bands; minor garnetiferous sections with up to 10% garnet; fine grained, well foliated at "55 to C.A. 45.3 - 45.6 - plag-epidote rich stringer with 35% semi- massive Po, 15% garnets; CONDUCTIVE 61.0 - 82.2 - fine to medium grained ampb., banding not as pronounced, well foliated at "55 to C.A.; no garnets 71.0 - 72.0 - quartz- carb fracture; 50% white quartz-carb 82.2 - 87.2 - fine grained, banded ampb.	0.00	45.00	45.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			45.00	46.00	1.00	14	25	148	80	7	6.98	3582	
			46.00	87.20	41.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
87.2	89.1	(ALTERED-NORMALIZED ZONE) highly biotitic, sil'd zone, 15% garnets 88.0 - 89.1 - 15% Po, 15% Py, minor Cpy, Apy, as fine disseminated stringers; CONDUCTIVE											
89.1	118.1	(AMPHIBOLITE-BANDED) as before; fine grained, 5% white quartz stringers	87.20	89.20	2.00	9	974	306	1006	18	9.00	3583	
			89.20	118.10	28.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
118.1	120.0	(BIO-AMPH-GARNET SCHIST) fine grained, brownish, banded and well foliated, 15% garnets 5-8% fine stringers Py, Po											
120.0	123.7	(AMPHIBOLITE-BANDED) as before	118.10	120.10	2.00	21	30	262	253	11	7.39	3584	
			120.10	123.70	3.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
123.7	132.5	(BIO-GARNET- SCHIST) similar to before, 20% scattered 1-5 mm. diameter garnets 5% fine stringers Py, Po	123.70	128.80	4.00	7	24	228	197	3	5.64	3585	
			128.80	132.50	4.00	9	18	245	129	5	5.41	3586	
132.5	142.5	(AMPHIBOLITE) as before; 139.0 - 142.5 - leached, medium grey, moderately sil'd	132.50	142.50	10.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
142.5	144.0	(BIO-AMPH-GARNET-SCHIST) similar to before, 5-10% disseminated stringers Py, Po	142.50	144.00	1.50	6	38	369	294	3	8.06	3587	

HOLE No: CB020



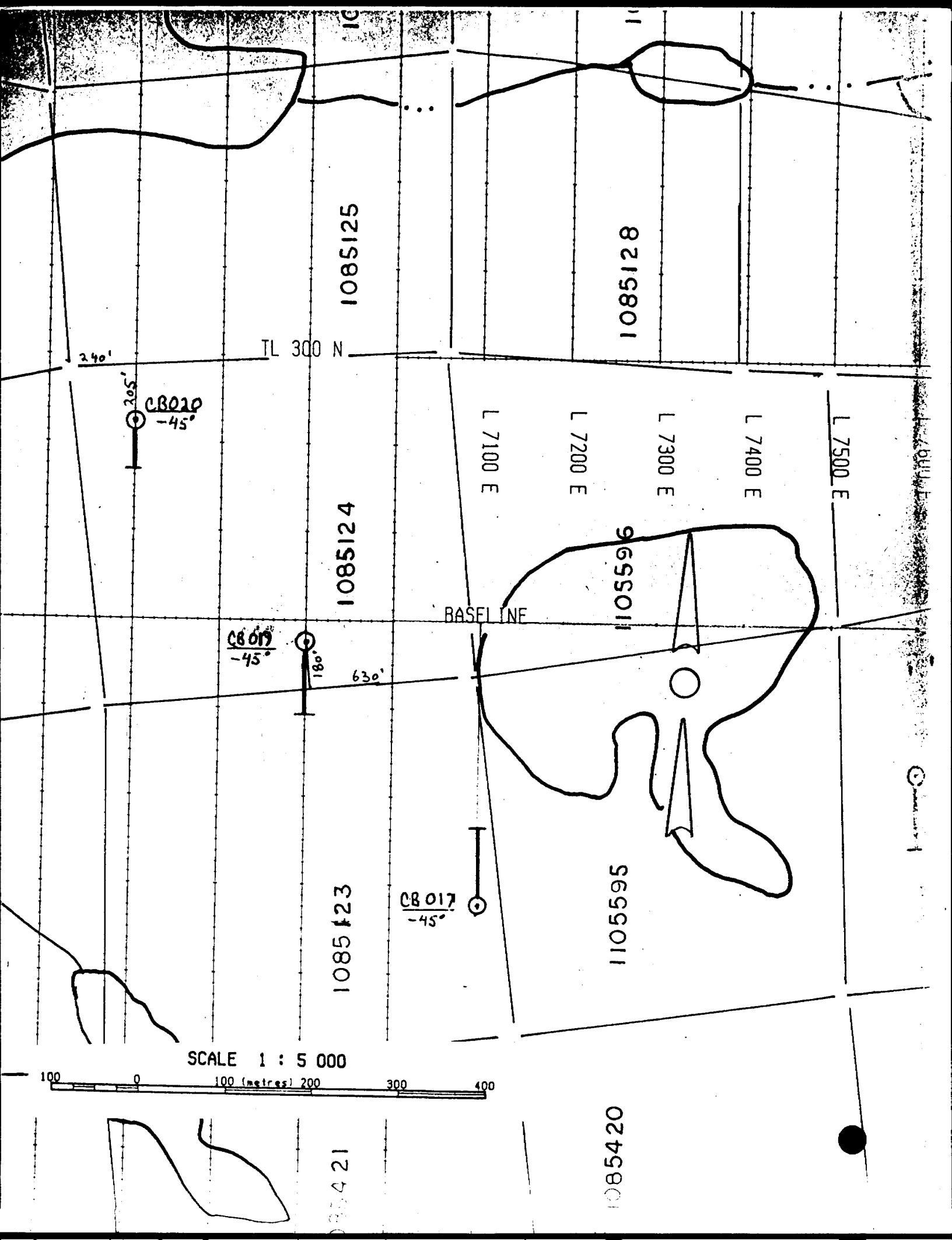
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB020

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
144.0	144.7	(AMPHIBOLITE) as before	144.00	144.70	0.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
144.7	147.8	(BIO-GARNET SCHIST) 20% scattered garnets: 5-20 Py, Po	144.70	147.70	3.00	10	81	230	236	4	6.59	3588
147.8	158.8	(AMPHIBOLITE) as before 153.5 - 154.1 - pegmatite stringer, white	147.70	158.70	11.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
158.8	161.8	(MINERALIZED-ALPHEARD CONTACT) leached, sil'd, biotitic, 15-20% plag. 159.1 - 159.7 - 50% Py, fine grained, vuggy 159.7 - 161.8 - 15-20% Py, 15-20 Po as fine irregular stringers										
161.8	256.0	(GRANITE) mottled grey, medium grained, 10% amp. and biotite; foliated at 65 to C.A.; relatively massive save for foliation 161.8 - 166.0 - 30% assimilated biotitic material, 5-15% disseminated Py, Po  256.0 - R.O.H.	158.70	162.00	3.30	13	94	219	125	7	11.49	3589
			162.00	164.20	2.20	7	26	107	79	3	6.00	3590

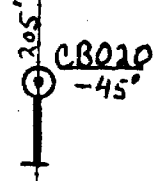


1085125

1085128

TL 300 N

240'



1085124

L 7100 E

L 7200 E

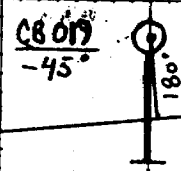
L 7300 E

L 7400 E

L 7500 E

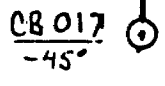
BASELINE

105596



180°

630'



1085123

1105595

SCALE 1 : 5 000



1085421

1085420

*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CBO21  
 Collar Eastings: 1025.00  
 Collar Northings: -230.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 510.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 5-7/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	Ar(ppm)	Ca(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
0.0	50.0	(CASING)										
50.0	61.0	(AMPHIBOLITE) Black, weak white speckled texture. Pg hbl 60%, qtz 40%, plag? Foliated schist, at 55 to CA. Minor qtz an. to ca. bands, minor 2-.1' granite dikes. Trace py. 50.0-50.8 Granite dike, pink, ng, mafic xenolith.										
61.0	68.0	(GRANITE DIKE) Pink, ng, foliated, conformable contacts, minor bte. bands near top contact. Ste 10%, K-feldspar dike. 63.5-64.2 Cpy trace?; Py-bte ca. host. 64.5-.3' mafic xenolith.	61.00	63.50	63.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			63.50	66.00	2.00	NIL	27	140	63	69	2.32	3618
68.0	71.0	(HBL-QTZ-PLAG SCHIST) Ammillated xenolith, conformable contacts. Salt & pepper text. Black & white, f-ng. Py along foliation planes, <5%. 71.0 Trace Cpy-cu blebs, near granite contact.	68.00	69.00	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			69.00	71.00	2.00	9	16	658	548	4	4.21	3619
71.0	81.6	(GRANITE DIKE) Pink, fg, foliated, bte. 76.2-77.8 S+P am. xenolith 78.0-81.6 Cg pegmatitic										
81.6	124.0	(HBL-QTZ-EP SCHIST) Green black, weak foliated at 40 to CA. Plag in sections. Hbl 50%, qtz 40%, ep 10%. Gradational to hbl 40, qtz 30, bte 20 Traces py, esp. near base of section. Abundant narrow f-ng white granite dikes, .1'-.5', bte-hbl schist margins. Traces Aspy, to 20%, in qtz-ca. bands, py 20%. Minor py an. bands. Minor fracturing, broken core. 109.0-112.0 Py an.-fca. bands 5% 109.5 Aspy-py-qtz ca. band. 121.0-123.0 Minor BC., blue/white stained, hbl schist, py.	71.00	109.00	38.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			109.00	113.00	2.00	58	1593	588	274	18	4.95	3620
			113.00	114.00	2.00	10	168	150	36	11	1.65	3621
			114.00	120.00	6.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			120.00	124.00	4.00	68	1387	368	166	28	2.95	3622
124.0	222.7	(AMPHIBOLITE-W/ SILICIFIED, MINERALIZED) Minor siliceous, mineralized narrow sections.	124.00	128.00	4.00	92	1043	519	64	22	2.28	3623
			128.00	131.00	2.40	100	4123	395	56	11	3.17	3624

HOLE No: CBO21

*RE Check*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO21

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(%)	Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
		Black fg Hbl-gtz schist, similar to previous section,	131.00	134.50	3.50	NIL	2702	201	73	13	3.56	3625
		Minor <5% Aspy 10-20%, py, bte, gtz veining .1-.3'.	134.50	138.30	3.80	47	1522	172	39	38	2.22	3626
		3-10% py an. stringers, in ep-gtz bands.	138.30	142.30	4.00	94	4198	122	72	31	2.38	3627
		Inhomogenous banding. Foliated, banded at 40 to CA.	142.30	146.00	3.70	201	6528	199	127	96	2.98	3628
		Minor; 2-1.1' Granite dikes, pink, bte, py-xeno bands.	146.00	148.00	2.00	17	1333	163	62	29	1.98	3629
		149.0-154.0 White banding-plag alt'n.	148.00	152.50	4.50	4	1145	153	56	61	2.38	3630
		157.6-158.5 Granite Pegmatite, Cg, pink, bte-py xenos, wk fol'd	152.50	158.50	6.00	5	984	136	147	134	2.76	3631
		169.0-169.2 BC, Sheared, Schistose, black, talcose vfg mineral	168.50	161.20	7.30	52	1048	175	51	122	2.68	3632
		196.0-198.6 Vfg blue-black-intrusive? Weakly at sections, ca,	161.20	168.40	7.20	10	172	169	32	16	1.89	3633
		shear margin, minor gts-py an. stringers.	166.40	170.90	4.50	16	263	205	164	612	3.50	3634
		198.6-198.9 Shear-breccia-Fault gouge. Crosscutting, 30 to	170.90	176.00	5.10	18	963	92	23	29	1.94	3635
		CA. Angular fragments, to 3cm, mafic schist,	176.00	180.40	4.40	25	408	232	40	13	4.48	3636
		crumbly, vfg., in a green black-clay-mud matrix.	180.40	184.70	4.30	18	180	400	143	86	4.68	3637
		NYS.	184.70	189.80	5.10	18	1118	174	40	64	2.55	3638
		203.0-222.7 Weak silicified, minor gts ca. v. ens, uniform	189.80	194.80	5.00	20	792	258	370	10	4.03	3639
		distrib. py banding, po.	194.80	198.00	3.20	0	78	168	36	14	2.83	3640
		207.9 trace cpy-plag-ep-gtz cobble	198.00	199.40	1.40	7	104	187	60	48	1.62	3641
		222.7-222.3 Pale banding; Plag., intermediate tuff.?	199.40	203.90	4.50	15	118	209	43	15	3.11	3642
		Py 10% in gts bands, aspy 1-2%. Traces Cpy	203.90	208.70	4.80	28	258	367	47	19	3.91	3643
		Ep-gts-py 5%, aspy traces bands-streaks.	208.70	213.40	4.70	25	70	320	42	9	3.88	3644
		uniform texture, composition.	213.40	218.20	4.80	27	133	288	30	6	3.80	3645
		Py, py to 70% of sections to 1.1', Brecciated,	218.20	222.70	4.50	105	4891	220	45	13	3.05	3646
		Braided gts-schist.										
262.3	269.0	(AMPHIBOLITE)	222.70	227.60	4.90	47	1005	294	37	6	3.47	3647
		Green black, hbl-gtz-ep schist, minor py, gts banding.	227.60	232.40	4.80	96	1910	254	24	7	2.71	3648
		Unmineralized.	232.40	237.10	4.70	74	2649	216	26	9	2.40	3649
			237.10	242.00	4.90	62	1563	174	38	11	2.71	3650
			242.00	246.80	4.80	64	760	224	39	15	2.97	3651
			246.80	251.30	4.50	130	2885	164	36	12	2.70	3652
			251.30	256.00	4.70	89	617	263	37	31	1.21	3653
			256.00	267.90	1.90	35	53	370	36	2	12.67	3654
			267.90	268.70	0.80	56	1361	102	49	3	2.27	3655
			268.70	269.30	0.60	3188	19367	227	66	21	3.62	3656
			269.30	268.00	1.30	50	1746	210	49	5	3.89	3657
			268.00	269.90	1.90	100	1011	191	31	8	3.27	3658
269.0	299.3	(GRANITE)	269.00	274.00	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		269.0-278.2 Pink, fg, white, sharp contacts, weak foliated.	274.00	278.20	4.20	18	31	225	64	7	9.23	3659
		274.5-278.2 Mafic-amin. xeno.-garnet 10%, .4', pe 75%, .7',										
		py bands 30%.										
		278.2-299.3 Pegmatite+crg pink phases, wk fol'd, bte, graphic.										
299.3	304.0	(AMPHIBOLITE)	278.20	304.00	25.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB021

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Blue blkck.fg,uniform,whly foliated,hbl-qtz schist,epidote. Traces py in qtz-ep cu band.	304.00	308.00	4.00	NIL	121	121	18	8	1.17	3660
308.0	318.0	(AMPHIBOLITE-MOD.SILICIFIED) Green-pale-black-sulfide banded at 50 to CA. Po 40X,section to 60X,bands,to ca. Sections coarsely crystalline,hbl cqt+epidote,po matrix,.5'. Generally qtz 40X,po 40X, hbl 10X, epidote 10X. Bte:in top third.Weak clastic texture to qtz,qtz-ep-po features,cg to pebble sized.Blue tint to occ. qtz grains. 308.0-313.0 Coarsely xline po-breccias,2-1.5',whly banded section between. 313.0-318.0 Banded,braided,weak clastic texture,polyclitic, lensoid qtz clasts? qtz 50X,po 40X,bte 10X.	308.00	313.00	5.00	82	71	587	77	17	9.74	3661
			313.00	318.00	5.00	35	33	415	136	15	9.27	3662
318.0	338.4	(AMPHIBOLITE-UN) Grey-black,hbl-qtz-bte 10X schist,Weak banded,po,py bands 5X increase in ep,qtz banding to 20X-base of unit.	318.00	322.00	4.00	7	41	129	87	18	3.30	3663
			322.00	327.10	4.30	8	25	189	51	9	3.75	3664
			327.10	331.50	4.40	7	27	136	58	8	4.74	3665
			331.50	335.00	3.50	NIL	24	129	45	7	3.38	3666
			335.00	338.40	3.40	13	25	227	74	7	4.91	3667
338.4	345.3	(GRANITE PEGMATITES) Pink.cg to pegmatitic,section ug.,py stringers to .2'. Weak foliated,bte 5-10X.	338.40	342.00	3.60	20	14	94	79	20	2.50	3668
			342.00	345.30	3.30	7	20	228	76	15	4.23	3669
345.3	367.0	(SILICIOUS,MINERALIZED) Strongly silicified sections,po bands 40X,sections qtz-hbl- schist,py 5-10X,bte 10X. Narrow section green qtz 50X,po 20X,py 2X,Zns 3X,1.0' Minor Granite pegmatites. Gradational lower contact. 346.0-348.8 Folial fold-180 qtz-po banded,po 40X,sections highly silicified,bte 20X,minor plag. bands. 348.8-355.0 Banded,qtz 50X,po 30X, bte 10X,minor ep?blebs. 355.0-357.5 Contorted qtz+ sss schist,sss 3X,top half. foliated parallel to CA.,ep. patches,folial folding,.5' scale. 357.5-359.3 Granitic pegmatite-Hylonitic,braided texture, qtz-bte-py 40X bands. 359.3-361.0 qtz-po-py-sss 2-3X,bte,hbl near base of sect. 361.0-363.0 Granitic? qtz 75X,hbl-py 10X schist,nylonitic, gneissic texture. 363.0-366.0 qtz-po-py wk banded schist qtz-bte banded,py20X	345.30	349.90	4.60	61	19	231	129	NIL	7.31	3670
			349.90	354.50	4.60	44	33	389	164	9	6.23	3671
			354.50	357.40	2.90	34	38	394	100	15	7.00	3672
			357.40	359.30	1.90	65	69	343	110	9	8.92	3673
			359.30	362.00	2.70	81	53	427	6880	8	8.18	3674
			362.00	364.00	2.00	62	64	377	513	16	6.86	3675
			364.00	367.00	3.00	44	50	230	123	14	5.43	3676

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB021

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(%)	Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
367.0	369.6	(AMPHIBOLITE) Qtz-hbl-ep schist,py,po banding,lower contact 35 to CA. Mineralized up to CT.,po,cm band/gneissic gran.	367.00	369.60	2.60	11	27	216	106	6	8.20	3677
369.6	373.5	(GRANITE) Pink,f-ng,foliated,contorted;folding 1.' schist.Wylonitic texture,minor sections;qtz-hbl-py,py-qtz sulfide breccia, pink-orange pegmatite,nylonitic base.Minor bte+musc.										
373.5	382.6	(QTZ-HBL-BTE-PO SCHIST) Minor po-30% bte-qtz schist section,1.' at top,minor py blebs. 375.0-382.0 lac'd deformation-banded,po to 30%,to cm bands. 382.0-382.6 bte-qtz-po schist;po 30%,ct. margin with HS.	369.60 373.70 378.30	373.70 378.30 382.50	4.10 4.60 4.20	14 13 13	31 22 29	241 436 385	63 92 92	14 9 10	1.44 9.39 3.32	3678 3679 3680
373.5	386.7	(PO-QTZ MASSIVE SULFIDE) 70% Po,matrix,30% f-ng qtz rounded grains,minor epidote- green mineral patches. Gradational to Po-qtz-epidote sulfide breccia.	382.50	386.70	4.20	206	174	378	85	21	17.46	3681
386.7	396.0	(QTZ-PO SCHIST,GARNET-BTE-QTZ SCHIST SECTIONS) Qtz-po 5-10% sections,1' to 2', alternate with f-cg garnet- 30 to 50%,bte-py layers. Banded at 30 to CA.Gradational lower ct.	386.70 391.40	391.40 396.00	4.70 4.60	5 5	31 46	555 147	61 61	5 7	4.56 4.69	3682 3683
396.0	406.2	(HBL-QTZ-EP SCHIST+GARNET-BTE-QTZ SCHIST SECTIONS) Similar to previous unit,with mafic layers alternate with garnet sections.Minor py stringers,streams,wh ep-qtz patchy banding,3-.5' to 1.5' garnet sections.	396.00 400.00 404.00	400.00 404.00 406.20	4.00 4.00 2.20	15 6 8	34 49 21	83 183 121	60 46 28	6 7 3	4.44 3.96 3.54	3684 3685 3686
406.2	408.2	(GRANITE PEGMATITE) Pink,cg,weak foliated,pegmatite top third,cg to vfg.,lower .5'.Lower ct. at 80 to CA.	406.20	408.20	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
408.8	417.0	(AMPHIBOLITE) Similar to previous.Black,minor po + py blebs,bands,near granite.weak foliated.Gradational to pale banded/patchy zebra rock texture section. Qtz + plag + ep pale green patches to .1'.Py 5-10%,garnet 30%,epidote 10%,bte bands. 411.0-412.5 Qtz-bte schist,py. 412.5-417.0 Zebra texture/garnet+ep, py 10-20%, .1' to .5' bands. 30% garnet- epidote bands.	408.20 412.00	412.00 417.00	3.00 5.00	NZL 5	19 92	119 148	48 38	4 3	4.03 4.39	3687 3688
417.0	422.4	(QTZ-PO-BTE SCHIST)	417.00	422.30	5.30	16	93	323	81	3	6.92	3689

HOLE No: CB021



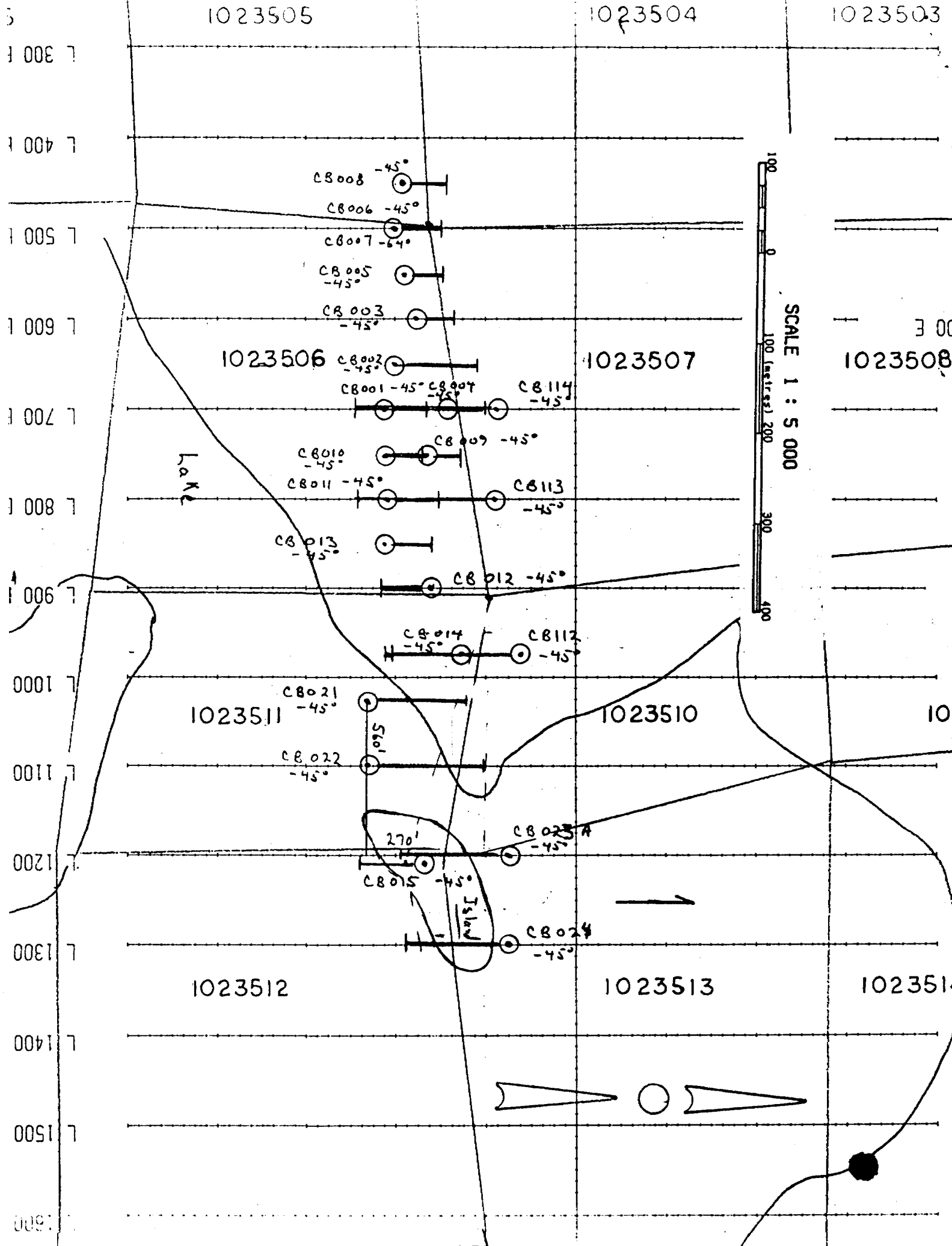
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB021

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		Silicious, mineralized. Gradational contacts. Banded quartzite; qtz 70%, po 40%, bte 10%. Weak contorted foliation, aphyllitic, braided section 1.5' near base, cg leucoid qtz pebbles 50%. Crudely banded at 50 to 25 to CA. Quartz rich centre 1.5'.										
422.4	472.0	(AMPHIBOLITE)	422.30	425.90	3.60	9	166	114	92	4	2.48	3690
		Green black, weak zebra texture near top of unit, 30% patches + ca. bands. NVS. Minor white coated x-fractures.	425.90	430.60	4.80	5	71	133	22	5	2.15	3691
		422.4-437.4 weak zebra texture.	430.60	435.30	4.80	5	82	106	20	5	1.18	3692
472.0	475.2	(GRANITE DIKE)										
		Pink, f-cg, sharp contacts, non foliated.										
475.2	479.8	(AMPHIBOLITE)										
		Section ng bte 20% NVS.										
479.8	482.4	(GRANITE PEGMATITE)										
		Pink, non foliated, white-bte margins.										
482.4	504.6	(AMPHIBOLITE)										
		Hbl- qtz- bte 30% schist, weak foliated, grades to hbl-qtz- ep-bte 5% schist. NVS.										
504.6	510.0	(GRANITE DIKE)	495.30	510.00	74.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Pink/white, ng, bte 10%, disseminated, uniform texture, composition, sharp upper contact, ca. bte band.										
		510.0 E.O.B.										



1023505

1023504

1023503

1006

1007

1008

1009

1002

1007

1008

1000

1011

1200

1300

1400

1500

1500

1023506

1023507

1023508

1023511

1023510

1023510

1023512

1023513

1023514

Lake

Island

SCALE 1 : 5 000  
100  
200  
300  
400

CB008 -45°

CB006 -45°

CB007 -64°

CB005 -45°

CB003 -45°

CB002 -45°

CB001 -45° CB004

CB114 -45°

CB010 -45°

CB009 -45°

CB011 -45°

CB113 -45°

CB013 -45°

CB012 -45°

CB014 -45°

CB112 -45°

CB021 -45°

CB022 -45°

270'

CB023 A -45°

CB015 -45°

CB024 -45°



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

*J. Atkinson*

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB022  
 Collar Eastings: 1100.00  
 Collar Northings: -230.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 613.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 10-13, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
0.0	81.0	(CASING)										
81.0	141.5	(AMPHIBOLITE + GRANITIC DIKES) Black,fg hbl- qtz- epidote 10% schist,narrow sections bte-qtz-hbl schist.sections near botto epidote to 25%.bte. Salt + pepper texture.sections. 50% Granite dikes,white,minor orange coloured,bte schist margins.Dikes size from .1' to >1'.Gradation to <20% granite dikes by base of unit. Foliated at 55-80 to CA. Traces Py,minor mn bands,Cpy. 110.0-111.0 Py banding 10%,near gran. dikes,in mafic-wk silicified. 135.0-141.5 Po + py bands near granite ct.,bte schist bands	0.00	101.50	101.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			101.50	103.40	1.90	6	16	152	98	4	2.61	3744
			103.40	104.00	4.60	4	31	237	81	23	3.70	3745
			108.00	112.00	4.00	NIL	52	112	62	24	2.76	3746
			112.00	134.10	22.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			134.10	136.70	2.60	NIL	56	256	79	18	3.55	3747
141.5	154.5	(GRANITE DIKE) White,fg,weak foliated, Similar to previous dikes.Larger, uniform,minor mafic bands.	136.70	154.10	17.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
154.5	172.3	(AMPHIBOLITE) Black,vfg,fine qtz-ep x-fracture banding section. Qtz-hbl,qtz-hbl-bte schist sections,epidote rich sections, Weakly silicified near base of section,ep-qtz schist,qtz band. Aspy-mn. bands,esp. near base of unit,25.Mg dissen- inated xls.,blebs,.5 cm. stringer. Weakly foliated at 50 to CA. No Granite dikes. 154.3-163.0 Minor py,qtz banding,ca. band,ct. gran. dike. 163.0-172.3 Aspy 2%,py,qtz bands,5% .3'qtz-bte schist. Increase in bte bands to >30%.	154.10	166.00	1.90	8	201	38	51	3	1.58	3748
			156.00	163.00	7.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			163.00	168.00	5.00	123	5233	170	125	12	2.39	3749
			168.00	172.00	4.00	131	2115	215	89	51	2.48	3750
172.3	173.8	(PO-ASPY-QTZ-BTE SCHIST) Sharp contacts. Po 50%,Aspy 20%,py 10%,Cpy? Contorted schist,micro folded,ca. to .2' scale.Weak fabric at 40 to CA.Qtz rich patches-weak boudinage texture,smokey colour,clastic texture? 173.3-173.8 Qtz-bte schist,hbl bands,aspy to 10%.										
173.8	216.0	(AMPHIBOLITE + GRANITE DIKES)	172.00	175.00	3.00	894	32558	521	371	124	7.79	3751

HOLE No: CB022

*R. C. White*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB022

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample		
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)	
		Black, greenish tint, weak foliated at 60 to CA. Minor Granite dikes, white, f-cg, narrow, <5%. Hbl - ep - qtz - bte schist, plag. Traces py. Minor bte banding, esp. near gran. dikes. Uniform schist, minor white mn. qtz bands. 175.0-Traces Zns in mn. x-fracture coating. 177.5-177.9 Qtz band, bte, py 20%.	175.00	179.00	4.00	28	2871	725	92	21	2.57	3752	
216.0	336.5	(AMPHIBOLITE - WEAK SILICIFIED, SILICIOUS MINERALIZED SECTIONS) Sections hbl- qtz- unmin. schist, sections 20% qtz addition qtz-bte-hbl schist, traces aspy. Minor qtz-asy 10-20% bands, <5%. Qtz-po banded narrow sections. Inhomogenous schist, gradational contacts. 219.0-221.0 Qtz-po 25% - py 15% schist. 228.6-229.2 Qtz-asy 20%, py 10% band. 231.0-231.8 Granite pegmatite, bte. 233.0- ca. aspy bleb. 230.0-244.0 Pale- qtz banded, 60%, Minor py, trace aspy. 251.0-256.0 Weak zebra texture, ep-qtz patches, tr. aspy, py. 256.0-286.3 5% qtz bands, py bands, po 50%, qtz sections, Minor blebs aspy, esp. in bte knots in granite dikes- to 5%. 259.0-260.0 Granite + bte, aspy 5% bands. 262.0-263.0 30% dia. Po, qtz. 265.4-267.0 Qtz? aspy in bte bands. 267.8-268.3 Po 50%- qtz-bte braided-sulfide breccia, sharp cta. 273.0-273.1 Trace zns in x-fracture, cpy. 273.0-298.7 Traces aspy, py, po- exc. 283.1'. 283.0-283.5 po 30%, aspy 284.2-284.3 qtz-asy band. 298.7-298.8 qtz-asy 30% band, contorted, euhedral aspy xls. 300.0-301.3 Granite dike, ag, bte, foliated. 307.0-310.0 2-1' qtz-asy 40% bands. 310.0-318.3 Po, py bands, weak silicified, 5% potpy. 318.3-318.9 Aspy- qtz weak developed band, aspy 25%. 318.9-319.4 Weak qtz banding, bte, po. 319.4-336.5 Po 5%, trace aspy, nte?	179.00	217.40	38.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			217.40	222.20	4.80	100	1233	371	50	4	3.08	3753	
			222.20	227.00	4.80	42	1376	121	30	2	1.34	3754	
			227.00	231.00	4.00	272	5499	172	44	2	2.69	3755	
			231.00	236.00	5.00	217	6185	189	58	3	2.96	3756	
			236.00	240.00	4.00	235	4758	229	87	4	3.34	3757	
			240.00	245.00	5.00	46	1860	44	43	9	1.93	3758	
			245.00	251.00	6.00	55	827	79	84	9	2.19	3759	
			251.00	255.00	4.80	58	1239	123	50	10	1.86	3760	
			255.00	260.50	4.70	30	1221	105	73	15	3.16	3761	
			260.50	265.30	4.80	19	643	143	68	8	3.31	3762	
			265.30	270.00	4.70	265	1718	329	70	9	5.43	3763	
			270.00	273.00	3.00	22	398	294	36	14	2.25	3764	
			273.00	277.00	4.00	32	372	264	35	8	2.27	3765	
			277.00	281.00	4.00	89	2663	168	60	16	2.87	3766	
			281.00	285.00	4.00	175	3751	302	129	27	4.17	3767	
			285.00	290.00	5.00	65	1743	133	22	10	1.61	3768	
			290.00	295.00	5.00	19	539	154	28	11	1.95	3769	
			295.00	298.00	3.00	30	646	109	17	7	1.38	3770	
			298.00	300.00	2.00	393	6276	153	45	6	3.05	3771	
			300.00	302.00	2.00	33	1737	117	44	13	2.07	3772	
			302.00	306.00	4.00	162	3396	277	33	17	3.08	3773	
			306.00	311.00	5.00	228	5877	396	37	10	3.44	3774	
			311.00	316.00	5.00	202	1824	238	26	10	2.89	3775	
			316.00	320.00	4.00	161	9031	264	31	8	4.05	3776	
			320.00	325.00	5.00	220	2107	187	27	3	2.54	3777	
			325.00	330.00	5.00	193	1054	151	23	2	2.32	3778	
			330.00	335.00	5.00	112	1513	305	31	17	3.24	3779	
336.5	346.3	(GRANITE PEGMATITE) Pink, eg, pegmatitic section, bte 5%. Sharp contacts, Pg margin. Weakly foliated. NVS.	335.00	338.00	3.00	235	414	338	200	15	4.45	3780	
			338.00	346.00	8.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.		
346.3	351.0	(AMPHIBOLITE-WEAK SILICIFIED)	346.00	351.00	5.00	84	123	116	34	5	1.95	3781	

HOLE No: CB022

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO22

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Minor qtz-po-py bands.5X.										
351.0	353.3	(GRANITE PORPHYRY) Pink,og,bte,bte contacts,sharp.NVS.										
353.3	357.4	(AMPHIBOLITE-WEAK SILICIFIED) As above,weakly mineralized.	351.00	356.00	5.00	11	72	144	46	16	2.22	3782
357.4	364.0	(QTZ-BTE-ASPY-PO-PY SCHIST) Banded,qtz+ sulfide,1.' to 2.' sections,qtz-bte schist sections. 357.4-359.8 Bte 40X, aspy 30X,.2' band,diss. grains. Po 30X, py 10X-margin. 359.8-361.2 Qtz-asy-bte banding, aspy 30X,euhedra,epidote? Po 10-20X. 363.0-364.0 Qtz-asy 30X,po,py 30X. 364.0 -Sharp contact.	356.00	359.80	3.80	480	1091	767	270	39	4.52	3783
			359.80	364.00	4.20	1121	25437	906	408	63	7.03	3784
364.0	399.0	(AMPHIBOLITE) Green black,fg hbl-qtz-epidote schist,uniform texture, Minor white-orange bands,bte margins. NVS.	364.00	368.00	4.00	74	2549	237	63	19	2.19	3785
399.0	402.0	(GRANITE DIKE) Pink,fg,foliated,bte.Banded,weak gneissic texture,.3'read. NVS.										
402.0	411.0	(AMPHIBOLITE-MODERATE SILICIFIED) Pale banded qtz-hbl-bte schist. Ca. qtz-ep-py band.Traces py.	368.00	404.00	36.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			404.00	408.90	4.90	21	1353	151	30	3	2.43	3786
411.0	440.0	(MAFIC/SILICIOUS FRAGMENTAL) Polymictic clasts:matrix hbl-qtz to qtz. Top: hbl- garnet 40X-bte-ep fragments,30X,og to pebbles. qtz-bte,qtz-po,py banded fragments 10X. matrix hbl-qtz sections,dark green,gray black. qtz-bte,qtz-hbl sections,qtz-po matrix narrow section. Inhomogenous unit: po 10X,minor py. 411.0-440.0 Weak zebra texture,esp. near base of section. ep-plag bands,patches:40X,py 5X in pale green patches. 411.0-412.0 minor qtz bands,po 20X. 412.0-416.0 garnet,minor po,py. 420.7-426.0 qtz clasts,po bands,silicious.	408.00	412.00	4.00	50	216	217	67	7	4.94	3787
			412.00	416.00	4.00	31	279	334	21	5	6.34	3788
			416.00	420.70	4.70	24	555	82	39	2	2.92	3789
			420.70	425.40	4.70	19	218	121	52	2	4.85	3790
			425.40	430.00	4.60	18	154	128	89	9	4.82	3791
			430.00	434.70	4.70	13	113	125	48	NIL	4.40	3792
			434.70	439.40	4.70	24	129	105	44	3	3.83	3793

HOLE No: CBO22

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB022

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample	
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)		
		426.0-431.0 Green-patchey, brecciated centre, white, qtz pervasively altered.											
		427.0-429.0 Brecciated, green, epidote, white-pale green-qtz schist, minor py.											
		431.0-440.0 Qtz clasts, ep-qtz-py, po 5%, garnet clasts, weak zebra texture.											
440.0	490.0	(AMPHIBOLITE) Grey-green black, minor white-fine qtz banding; esp. near top of unit. Pg hbl-qtz-epidote, minor bte. Weak banded, top, foliated at 70 to CA. Traces py, mn. band. Minor Granite dikes, f-eg., white, bte, banded, <5%, 1' to 2'. Especially near base of unit, increase to 10%.	439.40	444.00	4.60	8	254	101	40	4	2.85	3794	
490.0	508.6	(GRANITE PEGMATITE) Pink, ng, sharp upper contact, conformable, weak foliated.											
508.6	582.8	(AMPHIBOLITE) Grey-black, fg hbl 40% qtz 40% ep-bte schist, plag? Banded, qtz mn. bands, 10% bte bands 3%, ep-qtz-po, py bands 10% Minor granite dikes, pink, 2-3'. Minor po, py banded sections, <10%, po to 10%, 1'. Minor section po 50%, in ep-qtz, sulfide breccia-1'. Inhomogenous texture, banding, irregular ep-qtz-po patches to .2'. Sections approach weak zebra texture. 523.0-527.3 Po bands 10% 529.2-534.0 Po 30% section, traces po. 535.2-582.8 Ep-qtz-po patches 10-20%. 565.5-568.2 Sharp upper ct., po 50%, ep-qtz schist, grades to 10% po. 573.0-582.8 Increase in po to 15-20%, qtz-hbl-ep schist, traces anpy.	444.00	523.00	79.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			523.00	527.30	4.30	8	68	117	26	23	3.10	3825	
			527.30	529.20	1.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			529.20	534.00	4.80	8	38	116	48	3	4.89	3826	
			534.00	538.50	4.50	23	110	86	40	6	2.97	3827	
			538.50	543.30	4.80	14	111	131	59	3	4.59	3828	
			543.30	548.50	5.20	28	280	119	73	5	6.00	3829	
			548.50	553.00	5.00	34	789	127	69	3	4.70	3830	
			553.00	558.20	4.70	14	196	93	26	6	2.02	3831	
			558.20	563.00	4.80	9	116	101	23	3	1.73	3832	
			563.00	565.00	2.00	38	129	123	35	4	4.40	3833	
			565.00	568.50	3.50	117	234	270	36	2	10.23	3834	
			568.50	571.90	3.40	12	149	84	33	3	2.68	3835	
			571.90	576.00	4.10	65	834	139	51	2	4.96	3836	
			576.00	579.00	3.00	89	2203	160	60	3	5.34	3837	
			579.00	582.80	3.80	41	1139	171	54	4	3.10	3838	
582.8	613.0	(GRANITE) Pink, fg, bte 10%, weak foliated at 75 to CA. Sharp top ct., NWS.	582.80	613.00	30.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
		613.0 R.O.H.											

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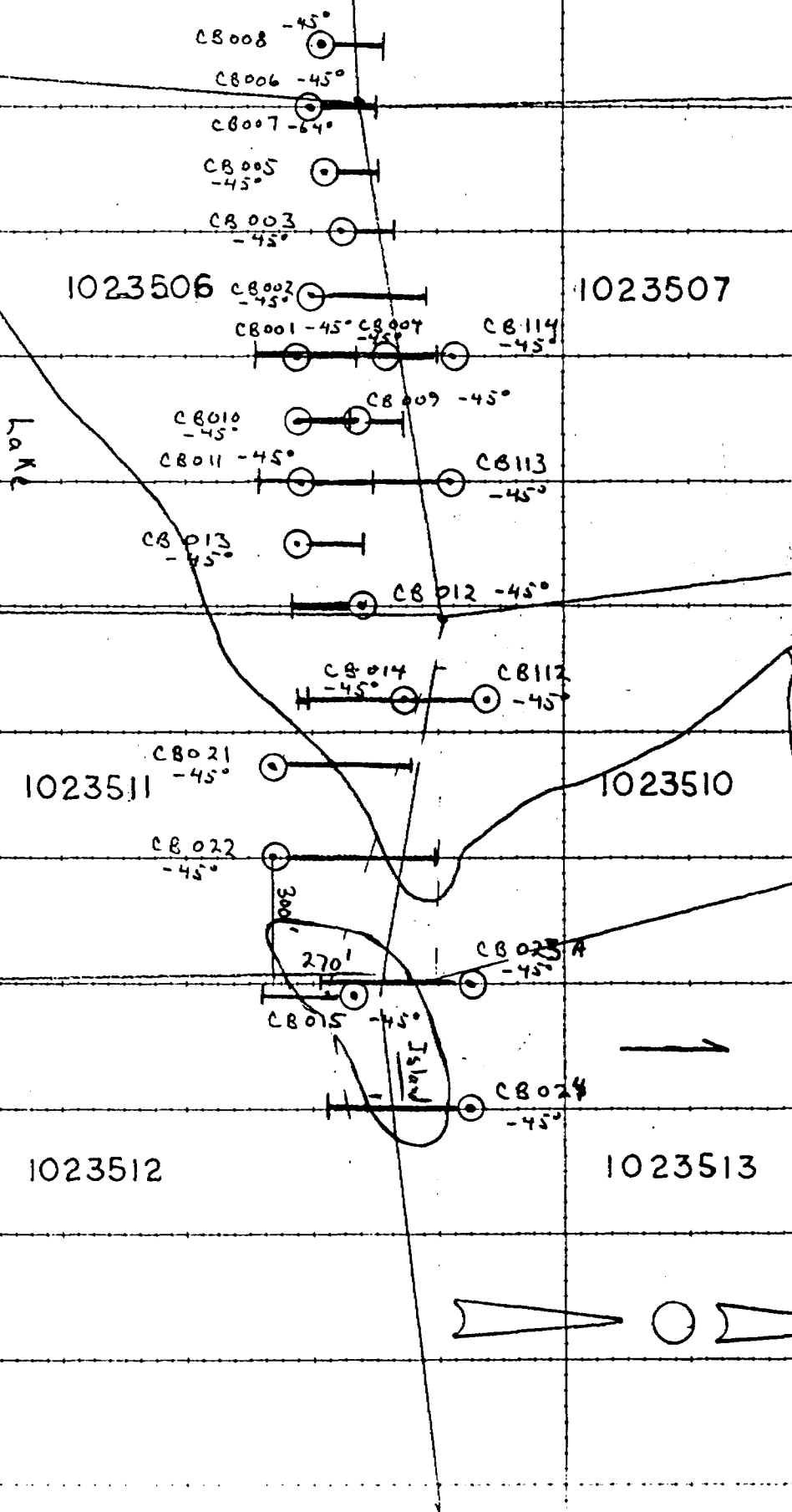
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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

*Paterson*

PROPERTY: Champio Bear Res. Ltd.  
 HOLE No.: CB023A  
 Collar Eastings: 1200.00  
 Collar Northings: -75.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 566.00 feet

Logged by: I.E.S. Ltd.  
 Date: Feb. 14-17/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
0.0	40.0	(CASING)										
40.0	148.0	(AMPHIBOLITE) Green-black-white speckled.F-mg hbl-epidote-plag-qtz schist. Foliated at 65 to CA.MVS. 60.0-63.0 Minor broken core,rusty fractures. 136.0-148.0 white-plag pervasive alteration. 147.0-147.2 Fractured,talcose,black mineral,white mineral-qtz. 148.0 - Minor py bands.	0.00	146.00	146.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
148.0	204.0	(MAFIC/SILICIOUS FRAGMENTAL- MINERALIZED PO,PY,ASPT) Mafic matrix,hbl-qtz-epidote. Polymictic fragments; Ep-hbl-garnet,bte,py 15% . Quartz-ep-po fragments to pebble size. Matrix supported unit. Grey black hbl-qtz schist,various fragments,garnetiferous, epidote rich matrix in sections. Lower sections qtz-bte-py schist,weakly developed,narrow sections. Inhomogenous unit.Contorted clasts,mineral replacement, Fragment ghosts.Foliated at 45 to CA.Sharp contacts. traces Aspy in selected clasts. 148.9-157.0 Py,Po 10-15% 154.0-156.0 Mafic dike,sharp contacts,White pervasive banded section. 157.0-166.0 Py(5% 166.0-169.0 Silicious,bte,py,minor bands,qtz-ep-py .2' 169.0-175.0 Ghost frags,qtz-hbl speckled,vfg schist.Tr.po. 175.0-191.0 Hbl-qtz schist,banded qtz,bte. .6' pale green, white banded schist,minor py-qtz bands,bte band No clast outlines.White x-banding. 191.0-196.0 F-cg garnet bands 20% to .2' banded,hbl-ep-qtz schist,minor py bands. 196.0-204.0 Silicious fragmental-banded schist. Gradational top contact.Py + Po 15-20% bands, vuggy bands,blebs,Qtz-bte-ep-po,py clasts. Massive py .1' section.Qtz-ep-garnet-bte vfg. in sections,matrix.Qtz,qtz-ep-py clasts +aspy, 10-15% fine to coarse clasts.Sections foliated banded near to CA.	146.00	148.90	2.90	NIL	74	106	69	2	4.86	3840
			148.90	153.70	4.80	11	138	268	44	2	3.97	3841
			153.70	158.40	4.70	12	209	28	44	3	2.73	3842
			158.40	163.20	4.80	8	101	68	48	6	3.51	3843
			163.20	168.00	4.80	9	53	228	74	2	5.17	3844
			168.00	172.80	4.80	14	108	302	39	7	3.30	3845
			172.80	177.40	4.60	9	204	136	38	7	2.95	3846
			177.40	182.00	4.60	19	76	158	49	8	3.34	3847
			182.00	186.60	4.60	5	67	95	70	4	3.97	3848
			186.60	191.50	4.90	NIL	34	197	52	8	3.32	3849
			191.50	196.00	4.50	14	63	92	59	7	4.27	3850
			196.00	200.90	4.90	17	191	250	108	12	6.20	3851

HOLE No: CB023A

*h a W*



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champio Bear Res. Ltd.  
HOLE No.: CB023A

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	Au(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Weak mylonitic faser texture, lenticular clasts. Traces f-ng euhedral crystals Aspy in sections near base of unit, within po, py stringers. Qtz 60%, po, py 15%, bte 10%, ep 10%, hbl, aspy tr. Cpy tr.										
204.0	302.6	(MAFIC INTRUSIVE-DIORITE) Speckled black-green-white texture, foliated at 50 to CA. F-ng hbl-qtz-ep. Grey, white pervasively banded, x-banded. Top 20'. Minor bte banding, qtz. Uniform section, NWS to tr. py in qtz band. Minor x-fractures, fine white coating. Sharp bte.ct.	200.90	205.70	4.80	44	1570	284	97	14	5.57	3852
			205.70	302.60	96.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
302.6	306.0	(AMPHIBOLITE-WK SILICIFIED) Grey black, minor qtz banding, mm. scale, minor py + aspy, l-2x, fg hbl-qtz schist. Foliated, banded at 50 to CA.. Biotite 10%, esp. near base of section.	302.60	306.00	3.40	129	2500	345	70	21	3.09	3864
306.0	306.0	(QTZ-ASPY-BTE-PO SCHIST) Weakly banded sulfide schist. Qtz 50%, Aspy 30%, bte 15%, Po 5%, py. Aspy as fg dis., bands w/ly developed-blebs to ca. width. Cpy along lower ct.										
306.0	341.0	(AMPHIBOLITE-WELY SILICIFIED SECTIONS) Similar to previous unit. Gradation to unaltered mafic. Bte content, qtz banding dec. to base of unit. Minor aspy, py banding, esp. near top of section. Minor fracturing, irregular cross fractures, healed with qtz. Fracturing, qtz banding related to mafic int.. Minor white f-ng granite dikes, <2%. 306.8-311.0 Weak silicified, py 5%, aspy 1%. 311.0-341.0 Minor qtz, po, py, aspy mm. bands.	306.00	309.00	3.00	511	19727	273	156	34	4.28	3865
			309.00	312.00	3.00	43	1663	757	195	3	4.05	3866
			312.00	316.00	4.00	25	702	149	118	7	3.31	3867
			316.00	319.00	3.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			319.00	324.70	4.90	91	913	329	50	3	3.18	3868
			324.70	328.20	3.50	68	504	170	40	3	3.03	3869
			328.20	334.80	6.60	16	647	145	41	10	3.08	3870
			334.80	337.00	2.20	26	1778	238	40	2	3.60	3871
			337.00	341.00	4.00	31	889	189	50	4	3.26	3872
341.0	343.5	(GRANITE DIKE) Pink-white margins. Mg. Orange tint to K-feldspar grains. Weak contorted foliation at base of section, fol'd at 20 to CA..	341.00	343.30	2.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
343.5	354.0	(AMPHIBOLITE-WKAK SILICIFIED) Grey-black, fg hbl-qtz-bte schist, weak banded, qtz, bte, bte 5-10%. Minor py banding, esp. near base of unit. Aspy-3 mm. streak. 354.0 .2' po 30%, bte banded, vfg, in mafic ct.	343.30	347.20	3.90	6	527	113	51	6	2.77	3873
			347.20	352.10	4.90	23	948	143	33	2	2.29	3874
354.0	376.6	(GRANITE DIKE)	352.10	364.50	2.40	20	140	135	76	5	3.58	3875

HOLE No: CB023A

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champio Bear Res. Ltd.  
HOLE No.: CB023A

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
		Pink, white, ag, bte bands 10-15%. Minor assimilated xenolith bte:po 20%/.2', gtz. Foliated, banded at 50 to CA. Weak mylonitic, braided texture, minor fracturing. Sharp bta. ct., top ct..2' po 30%. White margins.										
376.6	410.0	(AMPHIBOLITE)	354.50	381.70	27.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Weakly silicified sections. Grey-green-black, fg hbl-qtz-ep schist, bte. Minor qtz banding, sections. minor bte to 10-15%. 10% .2' to >1.' White, minor pink granite dikes, NWS.	381.70	385.80	4.10	5	308	139	145	211	3.05	3876
		383.0-383.5 Broken core, x-fractures, crumbly, vfg green mineral; chlorite?, qtz banded, NWS.	385.80	390.70	4.90	13	277	178	83	24	3.19	3877
			390.70	395.70	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			395.70	400.50	4.80	6	99	127	40	4	2.77	3878
			400.50	405.20	4.70	9	365	269	63	4	3.85	3879
			405.20	410.00	4.80	7	274	197	41	5	3.56	3880
410.0	438.0	(AMPHIBOLITE-MOD. SILICIFIED, SILICIOUS, MINERALIZED SECTS.)	410.00	414.00	4.00	12	360	339	30	8	2.90	3881
		Minor Aspy-qtz banded. Qtz-hbl-bte schist, sections qtz-bte-hbl schist. Grey, fg, finely white, qtz, black, bte banded.	414.00	419.20	4.00	18	158	403	43	5	4.10	3882
		Fine patches-Zebra rock like texture, esp. top of unit.	419.20	424.10	4.90	6	84	224	25	4	2.73	3883
		Qtz banding 30-40%, dec. to base of unit. bte 15%, narrow sections. Po bands, fg diss. 15%, minor py. Minor aspy in qtz un. to ca. bands, 3-ca. patches, po, bte	424.10	427.20	3.10	18	326	152	25	6	1.79	3884
		Aspy increase to base of unit to 2%. Arbitrary lower ct., base of last aspy-qtz band.	427.20	432.00	4.80	198	8105	380	407	34	4.54	3885
		410.0-427.4 uniform schist, po 10%, minor py. Trace aspy.	432.00	436.00	4.00	14	860	247	110	12	3.22	3886
		427.4-427.7 Qtz 40%, aspy 25%, po 10%, bte 25% band.										
		Conductive, bte banding along margins.										
		427.7-432.5 Po 15%, aspy 2%.										
		432.5-436.3 Weakly sil'd, minor po, py, tr. aspy.										
		436.3-436.5 Aspy 60%, qtz 20%, py 15%, bte 5%, band.										
		436.5-438.0 Moderate silicified, 20% bte banded. minor po, py bands.										
438.0	456.0	(AMPHIBOLITE-WELY SILICIFIED)	438.00	438.00	3.00	226	31304	413	174	34	6.22	3891
		Minor po, py banding, <5%. Traces aspy, un. band.	439.00	443.00	4.00	38	4983	176	44	7	3.02	3892
		Grey-black speckled schist, f-ng hbl-qtz-ep. Minor qtz bands, to 20% in sections, well foliated at 50 to CA.	443.00	447.70	4.70	20	516	634	46	3	4.37	3893
		Granite dikes, 1'-8', fg white, 5-10% near base of unit.	447.70	452.50	4.90	11	367	99	31	10	2.27	3894
			452.50	456.00	3.40	20	362	93	19	10	1.59	3895
456.0	496.0	(AMPHIBOLITE + GRANITE DIKES)	456.00	461.00	5.00	14	138	139	154	3	3.40	3896
		Grey-black, hbl-qtz schist 50%, white Granite dikes 50%, dikes to 8'. Traces po, py in qtz bands in mafic schist.	461.00	466.00	5.00	9	60	103	33	3	2.22	3897
		Bte in mafic schist near gran. margins.	466.00	471.00	5.00	13	63	327	84	12	3.13	3898
		Cpy coatings along x-fracture in granite dike, trace.										

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champio Bear Res. Ltd.  
HOLE No.: CBO23A

Page 4

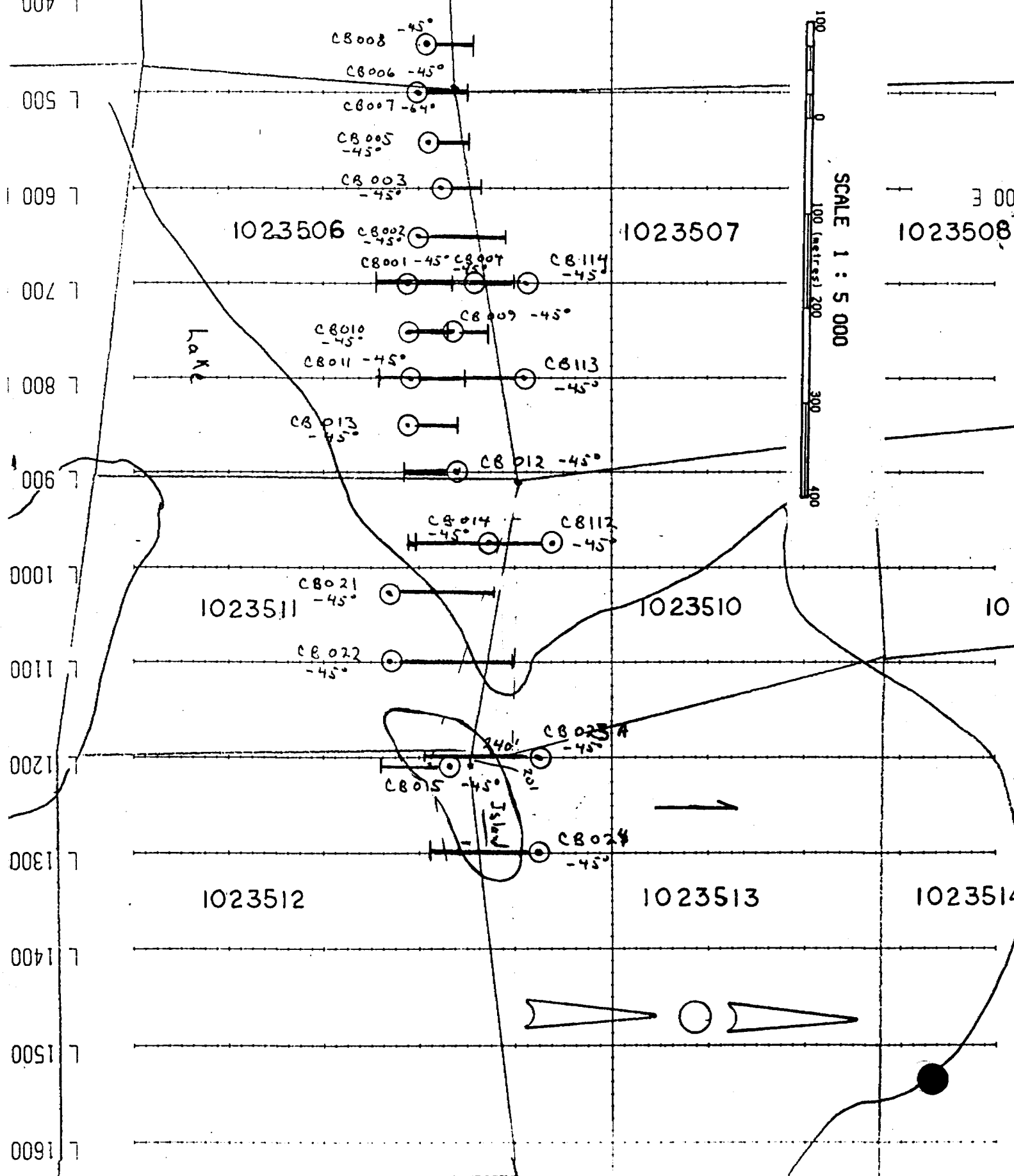
FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
496.0	537.0	(GRANITE DIKES + AMPHIBOLITE) White dikes, 80%, hbl-qtz-plag-ep-bte schist, ca to 3.' bands, rafts suspended in granites. Partially assimilated mat'l. Foliation variable, generally 45-50 to CA, sections 30 to CA. NVS.										
537.0	566.0	(GRANITE) White, f-ng., bte+hbl banded, 10%, Well banded, foliated at 45 to CA. 555.0 Traces py along fracture.  566.0 E.O.N.	471.00	546.00	95.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

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SCALE 1 : 5 000

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Lake

Island



3 009

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

*Paterson*

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: C8024  
 Collar Eastings: 1300.00  
 Collar Northings: -75.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 536.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 17-20/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ANALYSIS					Fe(%)	Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
0.0	37.0	(CASING)										
37.0	79.7	(MAFIC INTRUSIVE) Grey black, green, f-ng hbl-qtz-ep. Weak speckled texture, uniform sections. Well foliated at 50 to CA. Trace py. Sharp lower ct. 37.0-38.0 Broken core, rust. 36.0-66.0 Trace py, minor white x-banded section.	0.00	79.70	79.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
79.7	99.7	(AMPHIBOLITE) Mafic tuff. Fg green black hbl-qtz-ep-bte schist. Inhomog. unit. Banded pale green, pale beige narrow sections. Minor qtz+py banding, white x-banding, traces bte in sections Sharp top ct. Minor granite dikes, 2 to 1.2', white, foliated, weak gneissic textured. 90.2-97.0 Increased white x-banding to 40%. 90.2-94.2 Increased pale banded, vfg texture, traces py, aspy, uniform schist, alteration near to silicious section. 94.2-94.6 Silicious, qtz-hbl-py-ep-plag-bte schist, pale brown, green margins, bte, zoned, qtz 60%, py 40% core. 94.6-99.0 Py bands 5%, bte, qtz x-banding, pale green .1' ct. margin, vfg to fg schist.	79.70	95.00	5.30	10	494	102	36	6	1.87	3933
			95.00	89.10	4.10	13	49	177	65	3	2.31	3934
			89.10	92.20	3.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			92.20	96.90	3.00	N.S.	1552	326	119	2	4.39	3935
			96.90	99.70	3.70	23	252	307	48	6	2.71	3936
99.0	151.6	(AMPHIBOLITE) Green black mg schist. Similar to previous. Qtz white x-banded top margin, pale green banded top ct., sharp absence of py bands. 99.0-126.0 Decreased qtz banding, slight inc. g.s., well foliated, NYS. 126.0-151.6 Slight pale colour, gradation, slight inc. in quartz banding. Sharp bte. ct., NYS.	99.70	151.00	51.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
151.6	212.7	(AMPHIBOLITE-BANDED) Green-black-pale grey, vfg. hbl-ep-qtz-plag schist. Narrow sections homogenous black, banded; ep-pale green, qtz, grey banded. Sections brecciated-coarse sebra textured. Minor py bands in sections, minor section .3' qtz-py-bte. Minor po, py as blebs. Highly inhomogenous, fractured, increased to 146.0'.	151.00	156.00	5.00	26	300	251	83	8	4.60	3937
			156.00	160.00	4.00	17	267	134	74	33	4.42	3938
			160.00	165.00	5.00	22	675	97	89	10	2.69	3939
			165.00	170.00	5.00	40	127	59	47	31	1.75	3940
			170.00	175.00	5.00	13	50	141	97	7	5.32	3941
			175.00	180.00	5.00	8	77	155	76	25	3.93	3942
			180.00	185.00	5.00	6	101	105	91	32	2.94	3943

HOLE No: C8024

*h O [Signature]*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB024

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
		176.0-186.0 BC, highly fractured.	185.00	194.70	9.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
		185.0-194.0 Black, vfg, qtz-hbl-bte schist, uniform, NWS.	194.70	200.00	5.30	NEL	100	129	77	7	4.45	3944
		194.0-211.3 Sp-plag-py bands to ,7', py to 20% of sections.	200.00	205.00	5.00	NEL	83	163	70	9	4.58	3945
		Minor f-ng garnet bands. Increase in qtz content to 211.3-weakly silicified.	205.00	210.00	5.00	8	220	214	97	4	5.53	3946
		211.3-212.7 Silicious, sharp cts., qtz-ep-py, po 30%, aspy disseminated ag xls 28, cm band near base of unit.										
212.7	294.4	(Mafic Intrusive)	210.00	213.00	3.00	71	1422	321	103	9	5.17	3947
		F-ng hbl-ep-gtz. Uniform green black colour, well foliated at 45-50 to Ca. Qtz m to cm white x-banding 10-20% top 60.8', abundant blocky, fractured core. White granitic dikes 10% top 60.'. Trace py.	213.00	294.00	81.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		224.8-233.5 Granite pegmatite, pink, top 1.' alt'n by mafic, sharp lower ct.										
294.4	304.0	(AMPHIBOLITE, WK SILICIFIED SECTIONS, WK ZEBRA TEXTURE SECTIONS)	294.00	296.20	2.20	131	2470	564	60	33	3.39	3972
		Green-grey to black, banded hbl-gtz-ep schist, bte.	296.20	299.00	2.80	321	4030	487	90	27	4.36	3973
		Minor qtz banding, py bands 2-3% sections, minor bte bands. Narrow section-x-cut-gtz 60%, bte 15%, py 10%, aspy 5% banded-vein, silicious, mineralized.	299.00	302.00	3.00	NEL	161	136	17	9	1.77	3974
		294.4-296.2 Py bands, NW of silicious, mineralized section.										
		296.2-297.7 Silicious, bte, py 10%, aspy 5%.										
		297.7-304.0 Gradation; Qtz-hbl-bte banded schist to hbl-gtz-bte, ep mafic schist, weak zebra texture-micro-brecciated, fine patches.										
304.0	411.0	(AMPHIBOLITE)										
		Grey black, grades to black. Hbl-ep-gtz-plag schist, avo, to hbl-gtz schist, non banded, avo. Minor white GD, 3 .5' to 1.', bte margins, 10-15%. Minor pink eg dikes, 2-1.5', minor bte bands, trace py.										
		306.0-390.0 Minor x-banding, qtz, to .5cm, 30% at base of unit slight pale grey colour, black speckled.										
		402.0-410.0 Qtz-hbl-bte 5%. bte as lineations-streaks, patchy texture, eg patches-green tint, black, in qtz-epidote matrix. Mafic tuff altered by gran.										
411.0	529.5	(AMPHIBOLITE + GRANITE DIKES)	302.00	423.00	121.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Granite dikes increase to 50%, .2' to 2.' width, by base of unit, interdigitated sections with mafic schist, bte bands. Black speckled, pale grey speckled sections, hbl-gtz, hbl-bte-gtz sections. Epidote bands top 30.'.	423.00	427.00	4.00	36	332	811	124	6	3.81	3975

HOLE No: CB024

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO24

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		Traces py, near granite dikes. Minor section sulfide breccia, braided qtz bte-py schist. 456.0-486.0 Gradation to GD<20%, vfg green black hbl-ep-qtz schist, NVS.										
529.5	536.0	(GRANITE) Pink, fg, bte, weakly foliated at 45-50 to CA.. NVS.  536.0 R.O.N.	427.00	536.00	109.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

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Lake

300' 1  
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200'



SCALE 1 : 5 000

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Pakus

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: C8025  
 Collar Eastings: 900.00  
 Collar Northings: 105.00  
 Collar Elevation: 0.00  
 Grid: Grid B

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 556.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 22-25/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
0.0	14.0	(CASING)										
14.0	50.0	(AMPHIBOLITE-BANDED) Green, grey, black finely banded hbl-plag-qtz-bte-ep schist. Inhomogenous fg mafic tuff. Foliated, banded at 55 to CA. Hbl-epidote bands 70%, plag-qtz bands 25%, bte bands 5%. Trace py in plag-qtz-ep on lenses. Narrow garnetiferous section at base of unit, qtz banding. 14.0-34.0 Minor broken core sections, rust, fractures. 49.0-49.5 Pg pink garnet 60%, weakly banded.	0.00	47.00	47.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			47.00	50.00	3.00	20	42	133	703	9	5.65	5000
50.0	58.3	(PO-PY SULFIDE BRECCIAS + QTZ-PO SCHIST) 50.0-50.9 Po-sulfide breccia. Po 60% matrix, traces cpy, aspy fg. Matrix supported qtz 40%, clasts, subrounded, fg to pebble sized, seriate. 50.9-55.7 Po-Py sulfide breccia. Sharp contact. Po matrix 40%, clast supported. Po ss. bands wrap angular qtz fragments. Py inc. from 0 to 30% by base of section. Py section vuggy with green-black clayey mineral. Py as round, f-ng + massive clots. Py matrix sections narrow, to .3', alternate with po matrix sections. Po matrix sections trace ss to 1-2% fg blebs over narrow sections. Py-graphite banded .5cm. x-fracture infilling at base of section. 55.7-58.3 Qtz-po-py schist. Po 35%, py 10%, banded qtz-po-py-bte schist, narrow ca. to .2' sections, 20% po-qtz massive sulfide. Traces ss in MS. sects. folial folding, 1' scale in qtz-po-py schist section.	50.00	52.30	2.30	23	23	420	2101	25	21.09	5001
			52.30	55.70	3.50	32	8	743	3175	21	20.85	5002
			55.70	58.30	2.60	219	5	201	1197	22	14.83	5003
58.3	78.9	(AMPHIBOLITE-BANDED) Similar to previous unit. Increase in qtz banding. Garnet bands, 2%, bte. Py bands, 2-3%. 78.0-78.9 Increased qtz-pale grey banding, to 50%, inc. bte. banding.	58.30	62.10	3.80	10	42	99	81	3	3.68	5004
			62.10	73.00	10.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			73.00	78.00	5.00	NIL	25	115	51	4	2.30	5005
78.9	79.6	(QTZ-PY-PO-BTE SCHIST)										

HOLE No: C8025

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB025

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Felsic, mineralized. Qtz-po 20% banded, graphitic? Folial folding..1' scale. Py vuggy massive stringer, Zn 1-2%, f-ug blebs. Zn in po banded section 1-2%, blebs.										
79.6	121.4	(AMPHIBOLITE-BANDED)	78.00	80.00	2.00	35	54	260	1154	13	9.82	5006
		Similar to previous section, qtz banding near top of unit.	80.00	82.00	2.00	9	54	102	83	6	3.09	5007
		Minor po, py banding. 1-2% garnets as fg, mn bands, leasoid patches.	82.00	121.40	39.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		121.0-121.4 Increased qtz, bte banding to 50%.										
121.4	125.4	(QTZ-PO-PY-BTE SCHIST)	121.40	123.00	2.40	9	31	361	2491	25	8.16	5008
		Pale grey-black vfg schist, qtz-bte 10% banded, graphitic? Py>po, mn banded. Py 25%, minor po. Zn as lenses to 5mm by 1 mm, 1% trace cpy. Foliation, banding at 65 to CA.										
		Minor sections, 2-2' py cemented breccias, f-eg clasts, finely fractured sections.										
		123.4-123.9 Amphibolite, sharp contacts. hbl-qtz-bte-ep schist, avs.										
125.4	127.1	(AMPHIBOLITE)	123.00	126.00	2.20	20	39	188	1270	18	6.87	5009
		Weakly banded, vfg hbl-qtz black schist, epidote. 5% bte banded, fine white x-fractures 10%, traces py, bands.										
		126.0-126.1 Felsic banded, pyrite. Sharp contacts.										
127.1	127.4	(QTZ-BTE-PY SCHIST)										
		Sharp contacts, py 20%, py bands, qtz-ep-py bands.										
127.4	140.6	(AMPHIBOLITE)	126.00	128.00	2.00	NIL	39	90	494	12	4.73	5010
		Grey black, green tint. Fg hbl-ep-qtz-plag schist-foliated, weakly banded, top of unit. Hbl-plag-bte-qtz schist, banded, base of unit.	128.00	130.40	2.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		127.4-134.0 hbl-ep-qtz-plag, massive, uniform.	130.40	140.60	2.20	NIL	36	52	74	5	3.69	5011
		134.0-140.6 bte banding, py 2-3%.										
140.6	154.5	(QTZ-PO-PY-BTE SCHIST, 10% AMPHIBOLITE SECTIONS)	140.60	144.00	3.40	13	34	954	2936	25	10.88	5012
		Sharp contacts between sections.	144.00	146.00	2.00	13	15	434	4419	63	13.79	5013
		140.6-141.7 Qtz-po 30% bands, bte, graphite.	146.00	150.00	4.00	16	528	382	2847	50	8.26	5014
		.4' section sylvanitic, brecciated texture, qtz angular fragments, lenses, po matrix 30%.	150.00	154.50	4.50	9	360	162	899	3	1.69	5015
		Traces mn, vfg blebs, streaks. 2-lin.										
		141.7-142.2 Qtz-bte, ep-hbl bands, tr. py, sharp contacts, Pale green-grey banded.										
		142.2-145.0 80% qtz-po-bte banded, braided schist, Po to 50%, Zn 1-2%, cpy. 142.2-143.1 felsic banded, py 2-5%.										

HOLE No: CB025

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB025

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(X)	Sample
						Au(ppb)	As(ppm)	Co(ppm)	Zn(ppm)	Pb(ppm)		
		traces sns,cpy. 145.0-146.0 Sulfide breccia,brecciated qtz-bte schist, Broken,angular fragments.to pebble size, cemented by po 40%,sns 5% matrix.Zns concent- rated at 145.0' 146.0-147.6 Qtz-bte banded,hbl-qtz,ep bands 30%. minor po,py bands.Pale grey,black,pale green finely banded. 147.6-153.7 Qtz-bte-po-py schist.Finely banded schist, 20% sulfide bands.Sulfides as bands,blebs, segregated in narrow sections,4 to 1.' Py 20%,po 5%,aspy as fg disse,within py bands, Aspy 2%.Zns traces,cn by mn streaks. 2-.1' sections hbl-plag-ep-qtz bands,mafic. Increased ep,hbl bands,plag to 5% near base of unit. 153.7-154.5 Contact margin,decrease in qtz,bte,absence of py,po bands.										
154.5	166.0	(AMPHIBOLITE) Green black,fg schist,Foliated at 45 to CA.Weakly banded bte 5%,qtz 5%,py to 10%.Hbl-ep-plag-qtz schist,traces ng pink sugared garnets.Trace aspy in qtz-cn. band. 154.5-162.5 Uniform,green black,trace py,minor bte bands.	154.50	156.50	2.00	NIL	44	77	77	NIL	3.83	5016
			156.50	162.50	6.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			162.50	166.00	3.50	7	104	198	455	4	5.94	5017
166.0	167.5	(QTZ-PLAG-BTE-PY SCHIST) Grey-pale banded.Py bands 10%,traces aspy,py-ep-qtz bands.										
167.5	180.1	(AMPHIBOLITE) Green black,uniform,minor qtz,bte banding,lower half. Traces py.Section x-cut qtz-ep-plag cn dike 1.5',with white plag fg laths,50%,disseminated in mafic schist;ct. min. of mafic schist by intrusive dike.	168.00	168.00	2.00	6	17	127	761	6	3.89	5018
			168.00	169.10	12.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
180.1	182.2	(QTZ-PLAG-BTE SCHIST) Felsic banded schist. Grey-white-black banded.MVS, gradational contact margins-hbl bands. Centre .1' Py 70%, qtz fg Sulfide breccia,green clayey mineral replaces py. Minor po bands,FW,10%. Clast outlines-ep-plag-hbl-bte,cg po.2 mn bands at 181.0'.	180.10	182.20	2.10	NIL	26	101	263	13	6.47	5019
182.2	195.0	(AMPHIBOLITE) Green black,fg,minor banding,hbl-qtz-bte-ep schist.Banded bte,py <5%,minor f-ng garnet disse + bands,plnk,1-2%.	182.20	184.40	2.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			184.40	189.00	4.60	6	20	96	569	3	3.64	5020
			189.00	193.00	4.00	NIL	3	65	88	2	2.97	5021

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO25

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)
		Abundant fractures,cross fractures,white coating,2-3/ft. Increase in green colour;ep,bte banding to base of unit.										
195.0	201.0	(QTZ-BTE-PLAG SCHIST) Transition unit.Grey,green,white bands,ep,hbl,plag,garnet bands,minor graphitic .5' section,bands. Py 15%,bands. Fractured,x-fractured,2/ft. Base of unit last ep-qtz band,absence of fractures. 196.0 Orange vfg-k-feldspar bands,.1'.	195.60	198.60	5.00	6	8	65	338	3	3.41	5022
201.0	224.3	(QTZ-PLAG-BTE SCHIST,QTZ-PO,PT SCHIST SECTIONS) Grey fg qtz-plag-bte weakly banded vfg to fg schist.Weak banded,bte,po,py,traces sns,cpy, minor sections po-qtz MS. Foliated at 70 to CA.Po,py,sns,cpy as bands + irregular patches,as to .2'. Graphite .5' brecciated section,plus po,py,sns trace, qtz-ep-plag .1' rounded clasts,wrapped by fol'n banding. 201.0-206.3 2-cn bands py-po-qtz-sns 1-2% Trace fg diss pink garnets,vague outlines qtz- ng clasts-fragmental relict texture. 206.3-212.5 Felsic banded,greys uniform schist,sharp cts, traces py,bands. 212.5-224.3 Mineralized,.7' Py-Po graphite 10%,banded, brecciated schist,mylonitic,braided texture, ng qtz lenses. 213.3-214.3 Graphitic,cn. po stringer,.1' irregular band po,py,sns 5%. 214.3-215.7 Felsic banded,trace py,sharp cts.,ng plag lenses,clasts? in 2 cn. band,10%. 215.7-224.3 Minor sections PB,sa. 75% mineralized sections,mass po bands,cn to 2' irregular mass po banded sections. to cn. Weak brecciated,mylonitic fabric in sections, Qtz-felsic banded clasts,po matrix wraps clasts 222.0-224.3 Po as-.2' section,po 40%,sns 1-2% in po bands.	198.60	203.40	4.00	12	19	194	336	6	5.37	5023
			203.40	206.30	2.00	16	131	274	2218	22	6.52	5024
			206.30	211.00	4.70	10	74	158	968	5	5.49	5025
			211.00	212.50	1.50	NIL	12	75	401	2	4.53	5026
			212.50	214.50	2.00	10	23	420	2136	5	9.74	5027
			214.50	215.70	1.20	12	36	402	1863	21	5.61	5028
			215.70	218.50	2.80	16	36	570	3552	23	10.38	5029
			218.50	220.00	1.50	5	NIL	227	1404	12	6.67	5030
			220.00	222.00	2.00	6	8	188	1655	14	8.11	5031
			222.00	224.30	2.30	12	12	310	2688	10	10.16	5032
224.3	239.0	(QTZ-PLAG-BTE SCHIST) Felsic banded,Grey-black,vfg,weak banded-fragmental? Mn. to cn. bands 15% qtz-plag-bte,garnets,pink,vfg,unecured. Relict clasts? Flattened,compressed-ep,plag,garnet bands. 2-.1' bands Green-beige qtz-plag-ep-ng mafic origin? Traces py,minor bands,traces aspy-mn fg band at 233.0'. Aspy in qtz-hbl-bte band.	224.30	228.00	3.70	3	36	30	824	15	3.49	5033
			228.00	231.60	3.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			231.60	234.00	2.40	7	250	43	153	13	2.38	5034
			234.00	239.00	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO25

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)
239.0	263.5	(QTZ-PLAG-BTE-K-FELDSPAR-MUSC SCHIST) Grey white orange banded; 60% grey, 30% white, 10% pink-orange Finely banded schist. Minor pale green tinted bands-ep? or plag. Vfg to fg schist, vague variable mineralogy-felsic fragment outlines- to cg to pebble sized, bands to 15% of unit. Increased inhomogeneity, orange + muscovite bands to base of unit. Abundant, 30%, broken core, blocky, esp. near base of unit. white, green coatings, red x-fractures, 10%.	239.00	240.70	1.70	37	58	20	124	12	1.43	5035
263.5	279.0	(GRANITE PRGMATITE) Pink, cg to pegmatitic, fractured, 3/ft. BC 1'. K-feldspar-qtz-plag-musc 5%, bte 5%. Sharp top ct. Mylonitic, brecciated textured sections, pale green-chl str. wraps fragments.	260.70	279.00	36.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
279.0	286.0	(SHEAR) Contact margin-Granite/felsic. 279.0-282.0 Crumbly green, ntx, Granite-f-cg rounded clasts- 60%, top .5', decrease to 25%, schistose, sharp cts. Foliated at 55 to CA. Py bands, streaks to .5cm; py 15-30% btm. half. 282.0-286.0 Pale green-pea-brown felsic schist, gradational to grey-orange banded felsic schist. Top: qtz-plag-sericite, irregular fractured, 40%, belted by hard beige mineral-plag/qltz, occ. mass py stringers. Baked appearance, texture. Bottom: 1.5': Orange-dark grey banded, qtz-plag-k-feldspar- musc-bte schist, 30% vfg to aphanitic orange bands. Diss py + bands 20%. 285.4-285.9 Granite peg., similar to previous, pink, white, og, sharp contacts.	279.00	283.00	3.00	6	27	59	393	15	3.06	5036
			282.00	286.00	4.00	8	66	170	952	20	5.08	5037
286.0	309.0	(QTZ-PLAG-MUSC-BTE SCHIST) Banded grey, white, black. Possibly megafragmental? Variable texture. fg homogenous sections, weakly banded sects Trace garnets-2-cm fine streaked bands. Abundancy, variety of patches indicative of felsic fragmental nature. 1) Occasional lenses, an to cn, patches of qtz-plag-bte comp'n White-black speckled. 1-2%. 2) Pale green centre, beige-grey rim, to .1', ep?-plag-qtz-bte bands. 1-5%. 3) Occasional fg plag-lensoid shaped granular aggregates. 1%. 4) Traces fg garnet-cn streaks 200.'	286.00	288.00	2.00	73	73	14	75	13	1.81	5038

HOLE No: CBO25

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CBO25

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample			
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)	
		5) Pale green felsic-bte specks, .1'. 285.9-288.0 Uniform grey white, foliated, weakly banded. 288.0-309.8 Polymictic felsic fragments? Pale grey banded schist, uniform texture, minor white x-fractures, healed.											
309.8	324.8	(FELSIC-BANDED-WEAK PORPHYROBLASTIC TEXTURE) Grey, fg banded schist, fg grey-white specks, bands 30%. F-ag plagioclase porphyroblasts in a qtz-plagioclase-musc-bte matrix. Trace fg pink garnets, streaks. Inhomogenous schist, occ. polymictic patches to .1', similar to previous unit. NVS, trace py in green-white ep?-qtz on lenses. Uniform section, sharp lower ct.											
324.8	359.0	(QTZ-PLAG-MUSC-BTE-K-FELDSPAR SCHIST) Felsic-banded-fragmental. Grey-white-black speckled, orange banded, vfg to mg schist. Top ct. first orange band. Lower ct. first sulfide band. Generally finely banded, abundant; 20% musc banded. Speckled plagioclase, whitish, to 50% of sections. 5-10% orange bands top 15'. Minor orange healed on x-fractures. 4 sections .2' to 1.' K-feldspar-orange ag to cg pegmatitic pods, brecciated textured, sharp contacts. Relict clasts: qtz-plagioclase-musc ag streaks, bands to cm size, 2%. 30% pale grey uniform sections, to 4.', with 5% f-ag qtz-plagioclase-musc-bte bands, ss, cn patches. 350.1-351.0 Mass py-qtz .1' section; py 60%, irregular py bands in x-fractured host. 351.0-359.0 Speckled grey-white mg schist, orange bands 10%.	330.00	350.00	02.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			350.00	351.30	1.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	5039	
			351.30	359.00	7.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
359.0	368.0	(QTZ-PLAG-MUSC-BTE-K-FELDSPAR SCHIST, MINERALIZED SECTIONS) Similar to previous, sharp contacts. Grey, orange banded 25%. 359.0-361.6 Grey-black x-fractured, healed-extension fract.? Uniform rhyolitic sections, to .2', interdigitated with orangish white speckled bands on a .1-.2' scale. Po, py bands 20%. Top of section .2' po-py -vuggy NS, green clayey mineral 361.6-361.6 Po-qtz NS, matrix supported, po 60%, f-ag qtz-plagioclase rounded clasts. 361.6-368.2 Folial folded-2-.4' sections, po 25%, banded, 364.5-368.2 Nylonitic to braided texture, po stringers to 50%, sulfide breccia textured section. 366.2-368.0 Massive sulfide-irregular banded-po 60%, py 15%, qtz rounded to cg, angular fg fragments. Base: .4', chill margin?, qtz-white-pale green-cream coloured	359.00	361.10	2.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	5040
			361.10	363.00	1.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	5041
			363.00	366.00	3.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	5042
			366.00	368.00	2.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	5043

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB025

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS						Sample			
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)		Zn(ppm)	Pb(ppm)	Fe(S)
		mineral heals x-fractures, banding. Sharp lower ct.										
368.0	444.0	(PRLSIC BANDED-FRAGMENTAL SECTIONS) Similar to unit 288.0-310.0. Grey, white banded qtz-plag-bte-musc schist, fg. Orange mn to cn banded, top 20', 5%. Fragment ghosts?; mn to cn bands, patches qtz-plag-bte 20%, mg muscovite, 25% of unit. Occasional hbl grains in patches. Minor sections-2X-beige-pale green margins to .5', zoned qtz-k-feldspar-plag clasts-6, often with black specks; bte, 20%-one band. Finely banded sections: 70%, alternate with grey black-weakly banded sections. Minor sections grey-white speckled to 4', uniform, weak banded. Sections near base of unit speckled white-plag in fg massive grey schist. Foliated at 70 to CA.	368.00	371.00	3.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	5044
444.0	467.2	(PRLSIC BANDED) Grey to white banded, vfg, 40% musc, bte bands. Plag-fg speckled white sections 30%, plag to 40% over .2'. Cherty-rhyolitic appearance...1' green-black speckled band, ep-plag-qtz-hbl. Speckled white grey sections, Uniform grey sections, banded creamy beige sections, traces fg pink garnets, pyrite in white bands, occasional mg bte grains. Black-mn qtz-bte bands 10%, margins of white speckled sections, cn to .1'-ghosts? recrystallised margins. Bottom contact .1' marked by beige clast? with pale green cn margins.										
467.2	495.9	(PRLSIC PORCULITIC BANDED) Grey, weakly banded, qtz-plag-bte-musc schist. Uniform unit. Vfg to mg plag xls 50%, gradual increase in grain size to base of unit. Bte banding, foliated at 65 to CA. MVS, top; py disc + streaks 1-2%, near base 12' of unit. 491.0-494.0 2-.5' sections; white, green speckled, tr py, section beige-white banded, recrystallised granitics? 495.7-495.8 Qtz-plag-white, bte band, mg py, blebs 5% ;clast?										
495.9	498.0	(PRLSIC BANDED) Qtz-plag-bte-musc schist. Uniform texture, foliated, weakly banded, traces py. 496.8 cn band; qtz-plag-bte; rip up from previous section.										

HOLE No: CB025

CHAMPION BEAR RESOURCES LTD.

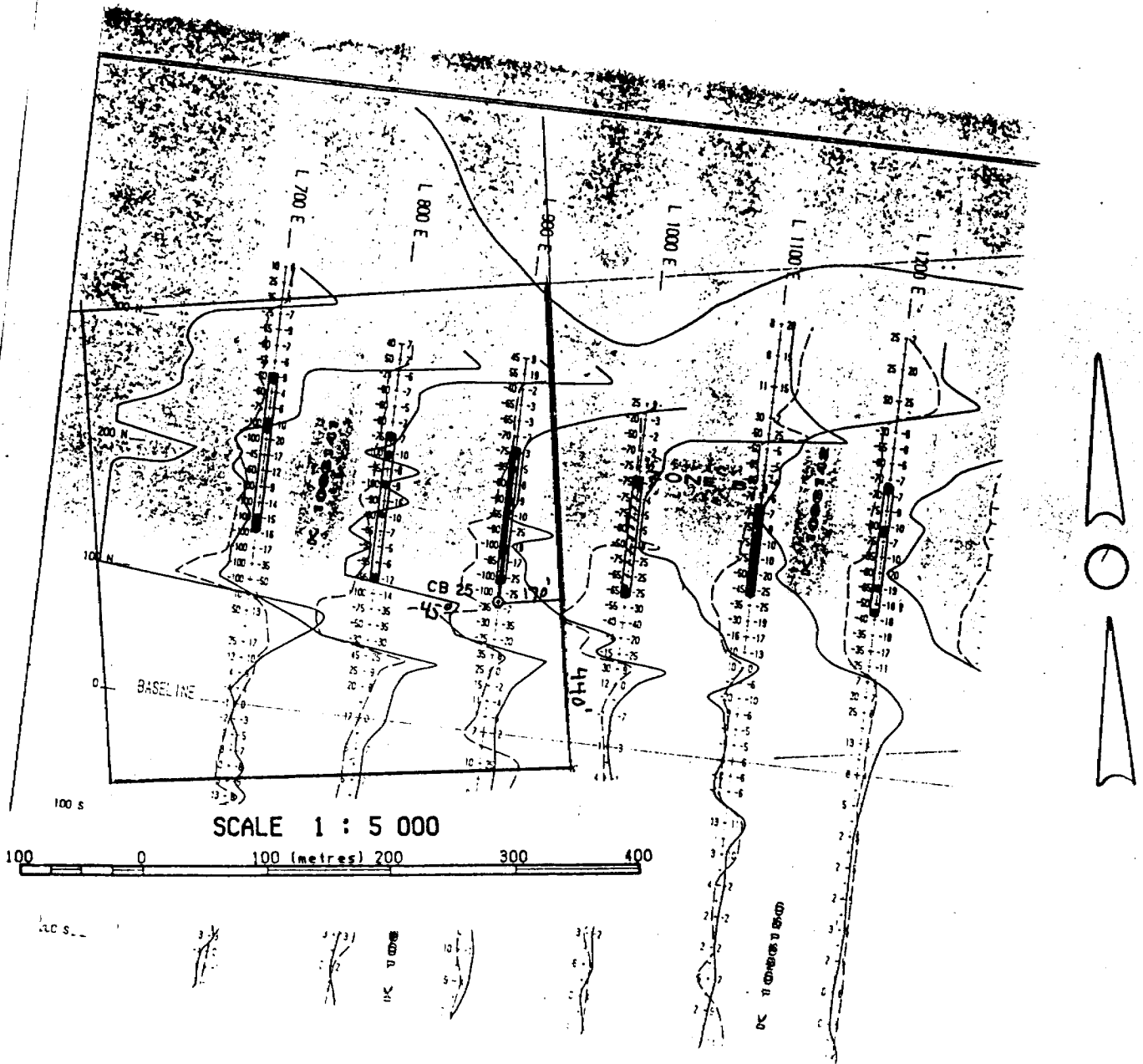
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB025

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)
498.0	514.7	(GRANITE PEGMATITE) White, cg, weak graphic textured, fg pink garnets 2%. .2' core, hbl-massive interstitial accessory mineral. Bottom ct. x-cut 180 at 70 to CA.										
514.7	530.5	(FELSIC-80% POIKILOLITIC SECTIONS) Fragmental sections. Inhomogenous schist, generally weakly banded. Fg plag. xls 10-30% of sections. Seven bands to .2' Ghosts? Pale beige, white banded stretched felsic clasts-5%. Section .1': Qtz-plag-green mineral-chl?-bte mg, 15%, trace fg py. Differs from matrix. Sharp contacts between poik, massive sections.										
530.5	556.0	(FELSIC-FRAGMENTAL) Generally massive, uniform, foliated at 80 to CA. Grey, weak white, black; plag, bte speckled. Sections 5-10% poikilitic fragments, bands to .2'. Fragment ghosts compositions: 1) F-ug qtz-bte to pebble sized, 10%, in .1' band, trace fg garnet, streaks, traces py. 3% 2) Pale green-beige, .2' streaky section, fg pink garnet 20%, in fg qtz-plag-bte band .3'. 3) .2' band plag-qtz-ep-bte, trace py. Section .5' homogeneous grey colour, plus fg garnets, streaky bands, 10-20%, plus qtz-plag-bte-tr.py 3m bands. 541.5-543.2 Banded, bte, minor py, vfg to mg pink garnet, weak banded; 15%. Top .4'; qtz-bte 30%, f-cg garnet 5%; Granite recrystallized?	371.00	556.00	105.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
556.0 E.O.B.												





*Palmer*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB026  
 Collar Eastings: 1300.00  
 Collar Northings: -35.00  
 Collar Elevation: 0.00  
 Grid: Grid A

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 256.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Feb. 25-26/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Po(S)	
0.0	59.0	(CASING)										
59.0	63.6	(GRANITE) mottled grey-greenish to pink, altered, sheared and foliated at "60 to C.A.; medium grained; sharp conformable lower contact										
63.6	111.0	(SILICEOUS TUFF) medium grey, fine grained, varying from well foliated and finely banded to foliated, relatively massive; foliation and banding at "55 to C.A. 64.4 - 66.7 - 5-8% Py stringers, traces Sphal 71.1 - 73.1 - 10-15% Py stringers traces Sphal. 77.0 - 78.8 - 5% Py, traces Po, Sphal. 81.8 - 83.0 - fractured and leached; 5-10% Py crystal aggreg. 83.0 - 87.9 - frequent fine x-fractures filled with fine Py 87.9 - 88.4 - fractured, 10-15% Py crystal aggregates 88.8 - 97.7 - minor amph and bio 97.7 - 106.0 - mineralized; 5-10% Py, 5-10% Po, traces Sphal. minor graphite 106.0 - 109.9 - 15-20% fine stringers to semi-massive Po, 1-3% Sphal, traces Cpy	63.70	63.70	63.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			63.70	66.70	3.00	15	32	289	1817	12	5.78	4105
			66.70	71.10	4.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			71.10	73.10	2.00	23	76	499	1907	2	7.75	4106
			73.10	77.00	3.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			77.00	79.00	2.00	24	33	354	1177	3	7.63	4107
			79.00	81.80	2.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			81.80	83.00	1.20	61	NIL	287	121	2	8.15	4108
			83.00	86.00	3.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			86.00	88.40	2.40	NIL	NIL	133	134	4	6.81	4109
			88.40	88.80	0.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			88.80	97.70	8.90	NIL	15	276	830	16	8.22	4110
			97.70	106.00	8.30	8	3	212	1303	4	7.83	4111
			106.00	110.00	4.00	8	24	746	4282	21	10.52	4112
111.0	143.1	(AMPHIBOLITE) dark green, fine grained, biotitic wisps, well foliated at "55 to C.A.; minor Py along foliation 118.0 - 118.3 - massive crystal aggregate of Py, minor disseminated Po, traces Sphal	110.00	113.40	3.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	4113
			113.40	143.10	29.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
143.1	149.5	(SILICEOUS TUFF-MINERALIZED) dark grey, very fine grained, biotitic; 143.1 - 144.1 - 5-10% Py, 10-15% Po, 1-2% Sphal 144.1 - 145.2 - unmineralized 145.2 - 147.7 - 15-20% irregular stringers Po, 2-3% Sphal. traces Cpy 147.7 - 149.5 - unmineralized 149.0 - 149.5 - 2-5% scattered garnets	143.10	144.20	1.10	17	34	300	5276	2	8.50	4114
			144.20	148.20	4.00	NIL	18	132	372	3	4.92	4115
			148.20	149.50	1.30	14	106	629	2959	35	9.45	4116
149.5	176.7	(AMPHIBOLITE) dark green, fine grained, well foliated at "55 to C.A.										

*R O [Signature]*

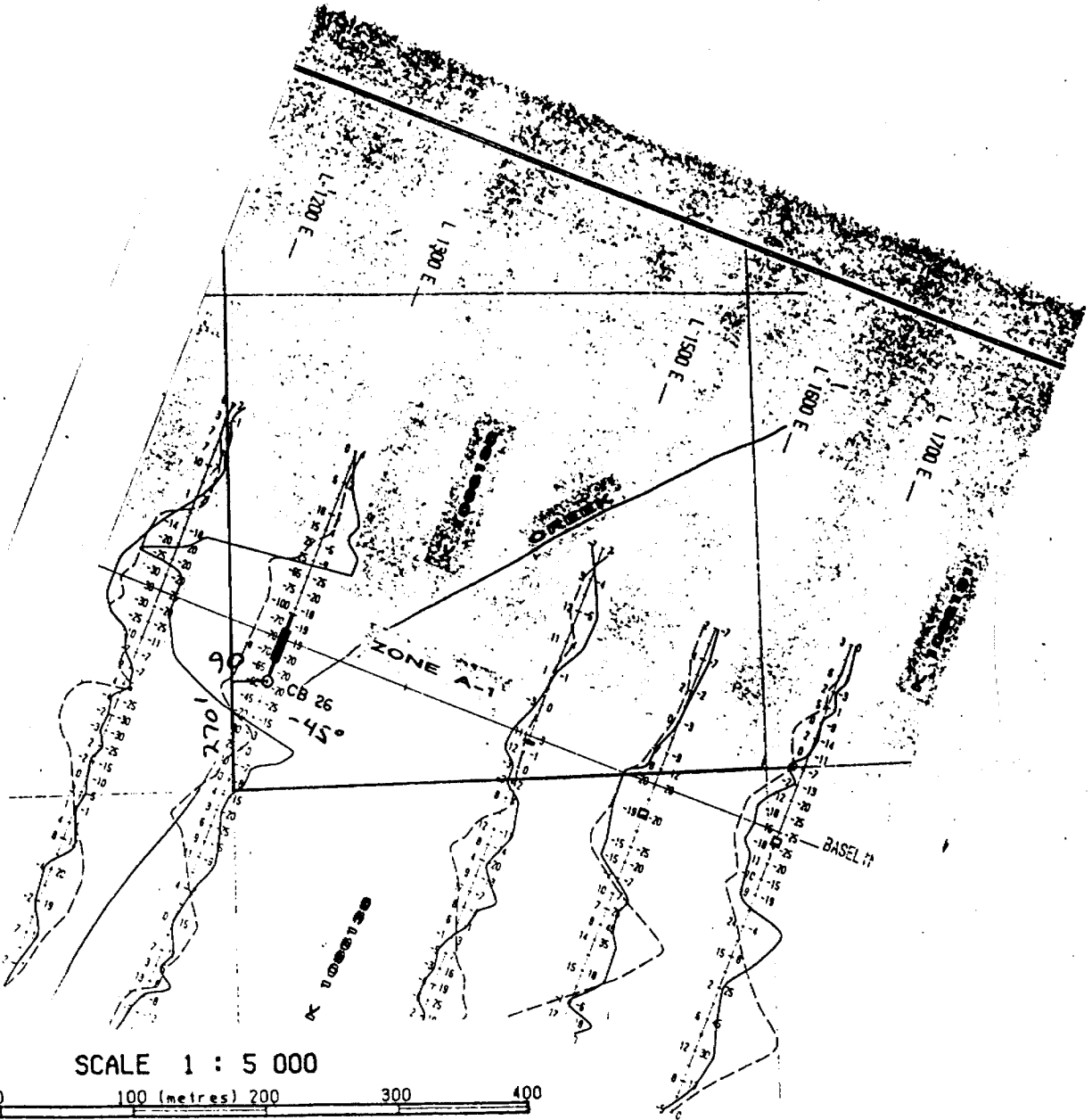
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB026

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		frequent wispy biotitic concentrations, minor to moderate fine hairline x-fractures; traces Py, Po										
178.7	187.0	(PBLESTIC DIKE) dark grey, very fine grained, hard, shattered, blocky, foliated at 35 to C.A.; indistinct contacts										
187.0	256.0	(PBLESTIC METAVOLCANICS-MINERALIZED) medium to dark grey, very fine grained, foliated at 35 to C.A.; minor to moderate fracturing in sections; frequent fine stringers and blebs Py, Po, minor Sphal, traces Cpy, Aspy overall 1-3% sulfides, higher concentrations in sections 217.1 - 218.2 - 10% Po, Py, minor Sphal 227.0 - 2 cm Py filled fracture 238.8 - 239.1 - fault zone, gouge, 20% Py, Po 239.1 - 256.0 - light to medium grey; possibly fragmental	147.70	196.30	40.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			196.30	201.00	4.70	11	83	217	1553	24	4.69	4117
			201.00	205.80	4.80	10	73	219	1223	18	4.95	4118
			205.80	210.40	4.60	41	97	292	1513	26	5.51	4119
			210.40	215.20	4.80	6	36	258	1754	31	5.29	4120
			215.20	217.10	1.90	9	31	706	2239	21	5.59	4121
			217.10	219.00	1.90	9	21	402	2590	20	5.71	4122
			219.00	224.60	5.60	NIL	35	80	452	2	3.94	4123
			224.60	229.20	4.60	7	20	214	1070	15	6.39	4124
			229.20	234.00	4.80	6	18	153	1014	14	4.15	4125
			234.00	238.60	4.60	NIL	27	142	542	3	5.05	4126
		256.0 - B.O.E.										



SCALE 1 : 5 000



*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB101  
 Collar Eastings: 5800.00  
 Collar Northings: 313.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 246.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Jan. 16-17/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
0.0	6.0	(CASING)										
6.0	6.6	(GRANITIC) Pink,mg,pegmatite										
6.6	56.1	(AMPHIBOLITE-BANDED) Grey-black,banded green-white,mm to cm bands.Well foliated at 45 to CA.,foliation slightly variable. hbl-qtz-ep-plag-bte schist,with qtz-plag-epidote bands. Minor bte40%-hbl-py10% bands. 6.6-16.0 Increase in banding,>50% nearest gran.peg. 26.5-27.0 Minor cg garnet,20%,bte-hbl,py2% schist. 36.0-40.3 Minor bte-hbl-py10% banding.	0.00	36.00	36.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			36.00	40.30	4.30	N.S.	34	92	21	7	1.43	3315
			40.30	55.00	14.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
56.1	59.2	(GRANITIC) Pink,white margins,fg,conformable contacts,Cg pegmatitic core,pink-K-feldspar. 56.1-57.0 Interstitial fg py 5%	55.00	57.00	2.00	6	24	179	134	9	2.65	3316
59.2	104.2	(AMPHIBOLITE-WEAKLY BANDED) Similar to previous section,fg grey black,5mm to 1' qtz-plag-ep-trace py bands,Minor .1' section bte-hbl schist near top contact. 83.5-84.3 granitic peg.,bte-hbl schist near margins.										
104.2	138.9	(GRANITIC) Pink,mg,white margins-top,btm.trace py near btm ct. Cg sections,inhomogenous texture.	57.00	133.80	76.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			133.80	136.00	2.20	NIL	14	14	14	10	0.50	3352
			136.00	138.90	2.90	7	19	54	26	16	1.14	3353
138.9	181.4	(PELSIC-TUFFACEOUS-MINERALIZED SECTIONS.) Qtz-bte schist,qtz-po-bte schist sections,po-py-zns massive sulfide sections. Pale grey,fg,qtz+bte2%,mm banded-20%,po-qtz-bte banded, braided sections 40%, massive sulfide-po+py+zns,cpy tr. +qtz sections-brecciated?40%,po60%,py10%,zns3%,cpy tr. Zns occurs as fine blebs in py&po stringers,and within massive sulfide sections. inhomogenous distribution of sections.Qtz-po-bte sections often show contorted foliation,folial folding on 1' scale. Generally well foliated at 45 to CA.Blue stain along frax.	138.90	142.00	3.10	NIL	12	196	2096	14	5.45	3317
			142.00	144.00	2.00	NIL	9	93	245	15	2.98	3318
			144.00	148.00	4.00	11	6	370	5169	31	9.14	3319
			148.00	151.00	3.00	7	12	373	3101	25	7.39	3320
			151.00	153.40	2.40	6	8	427	6467	40	11.12	3321
			153.40	155.00	1.60	66	6	577	5907	16	11.49	3322
			155.00	157.50	2.50	NIL	51	363	3632	37	9.58	3323
			157.50	159.40	1.90	8	11	309	4455	36	7.92	3324
			159.40	163.50	4.10	11	21	249	1471	30	8.20	3325
			163.50	166.10	2.60	7	26	1142	1834	20	14.99	3326
			166.10	168.00	1.90	10	16	176	419	31	3.49	3327

HOLE No: CB101

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

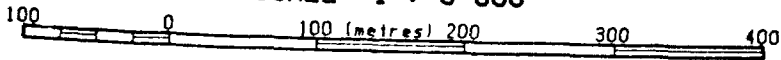
PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB101

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		138.9-144.0 qtz-bte banded, 10%po+py	168.00	171.00	3.00	12	11	712	2489	21	16.89	3339
		144.0-151.0 qtz-po-bte schist, po25%	171.00	175.00	4.00	7	27	733	2968	23	16.22	3329
		151.0-153.4 2-6' po-py-zns massive sulfide sections, contd.	175.00	177.50	2.50	5	30	362	2012	45	7.67	3330
		153.4-155.0 qtz-po-bte schist, trace zns	177.50	180.40	2.90	19	13	263	3923	46	6.67	3331
		155.0-156.0 qtz30%-po50%-py20% mass. sulfide, brecciated										
		157.3-157.4 2cm py-zns16% lamination										
		157.3-159.4 qtz-po20%-bte schist										
		159.4-160.2 po80%-qtz-breccia? weak mylonitic texture.										
		162.7-163.3 po-qtz-massive sulfide section										
		163.3-164.0 qtz-po-bte schist, folial folds.										
		164.0-165.1 po80%-qtz-bte sulf. breccia, braided schist.										
		166.1-168.0 silicious section, diss po+py30%.										
		168.0-175.0 po60%-sulfide breccia, ng clasts, 80%, qtz-po-bte banded sections, folial folding, 20%.										
		175.0-181.4 qtz-py10%-po, bte banded schist, 2-5' sections py40%-po30%-zns3%.										
181.4	182.0	(SHEAR ZONE-MINERALIZED) Broken core. Fragments qtz-py-bte ca to pebble size, cemented by py-30%. Blue stain, py stringers, x-cut foliation, at 35-40 to CA. Shear? crosscuts foliation?										
182.0	187.2	(PBLIC-QTZ-PO-BTE SCHIST, MASSIVE SULFIDE SECTIONS) Similar to previous section. 183.6-185.0 ng py80%, qtz breccia, angular pebble frags., banded, trace zns. 186.0-187.0 fg py-qtz breccia.	180.40	183.60	3.20	15	12	212	2611	71	7.26	3332
			183.60	185.00	1.40	15	10	496	2896	89	17.31	3333
187.2	187.4	(SHEAR ZONE-MINERALIZED) Rusty, vuggy, py50%, calcite50%, hematite, ng euhedral calcite along fracture. Weakly banded, graphitic? Cross-cut fol'n? Zoned, py margins, calcite core, radial xl form py crystals.										
187.4	217.2	(PBLIC-QTZ-PO-BTE SCHIST, MASSIVE SULFIDE SECTIONS) Similar to previous section. Decrease in massive sulfide sections: 5-2' to 1' Decrease in qtz-po-bte banded/braided sections: (25% Increased py content in NS sections; total sulfides 30%py, 10%po, traces zns in NS sections. 189.0-191.1 sulfide breccia-ng qtz clasts/py70% matrix, diss zns 189.2' 191.1-193.0 qtz-po20%-py10%-bte schist 193.0-193.6 ng qtz-py80% breccia 193.6-199.0 qtz-po-py-bte schist, 30%, trace zns	185.00	188.00	3.00	13	232	343	4477	200	10.09	3334
			188.00	189.00	1.00	NIL	16	533	2314	231	7.06	3335
			189.00	191.10	2.10	15	11	1054	4473	29	17.29	3336
			191.10	193.00	1.90	12	7	580	2547	53	9.76	3337
			193.00	196.00	3.00	5	6	565	3177	42	11.69	3338
			196.00	198.00	2.00	7	5	1020	3431	41	10.89	3339
			198.00	200.20	2.20	12	9	461	5187	37	8.58	3340
			200.20	201.90	1.70	NIL	12	190	1646	38	4.47	3341
			201.90	202.90	1.00	NIL	8	97	871	26	1.64	3342
			202.90	205.00	2.10	NIL	12	332	3499	30	7.05	3343
			205.00	206.70	1.70	NIL	31	222	2714	21	5.44	3344

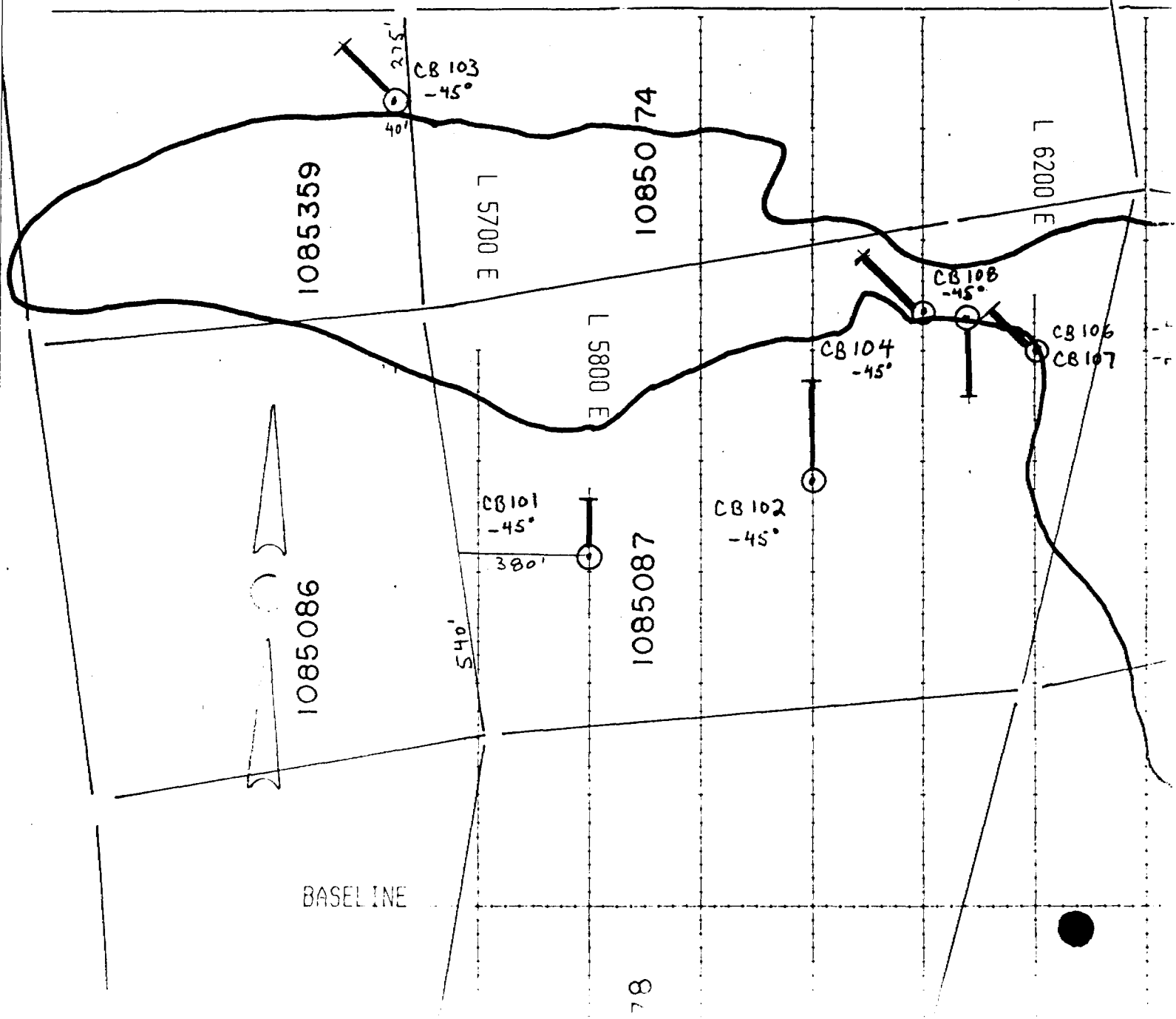
HOLE No: CB101





SCALE 1 : 5 000

L 5900 E  
L 6000 E  
L 6100 E  
L 6300 E





Paterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB102  
 Collar Eastings: 6000.00  
 Collar Northings: 380.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 416.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Jan. 19-21/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	As(ppm)	Co(ppm)	Zn(ppm)	Pb(ppm)		Pt(%)
0.0	6.0	(CASING)										
6.0	111.2	(GRANITE) Pink, white sections. F-eg k-feldspar-plag-qtz-bte, musc Weakly porphyritic-k-feldspar coarse grains texture. Minor fracturing, yellow stain. Traces lg py. Color variable, uniform texture, weakly foliated at 45 to CA. Sharp lower contact.										
111.2	122.3	(AMPHIBOLITE-BANDED) Green-white speckled-hbl-qtz-plag-ep-bte schist. Bte, plag banding, mm scale. hbl 50%, qtz 30%, bte 10%, sections to 20%, ep-plag-bte fine bands 10%. Well foliated at 40 to CA. Bte-speckled texture due to alt'n near granitic contact? NVS.	0.00	122.00	122.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
122.3	140.4	(QUARTZ-BIOTITE SCHIST) Felsic-tuffaceous? Pale grey, white banded, dark bands-bte. Fg qtz+bte schist, bte to 15%. Minor sections orange- k-feldspar-plag-musc. banded. Minor pale green-epidote? banded. Finely banded in sections, well foliated at 35-40 to CA. Minor lg pink garnet-2% over .3' sections. Minor py-vuggy braided schist sections, graphitic. Minor qtz-pebble size clasts-sulfide breccia sections. Gradual upper contact, sharp lower contact. 122.0-125.0 3'-4' py-vuggy schist, bte, qtz, py > 25% py in mm contorted bands. Fg graphite 20%.	122.00	125.20	3.20	11	385	265	1249	28	4.74	3405
			125.20	125.30	0.10	11	31	95	390	16	3.28	3406
			125.00	131.00	6.00	11	22	58	239	19	3.69	3407
			131.00	136.00	5.00	7	18	61	439	22	4.23	3408
140.4	149.3	(AMPHIBOLITE-BANDED) Green black, black/white <sup>2</sup> banding. Fg hbl 50%, qtz 30%, bte 20%. Bte as fg dark mm bands, minor plag-epidote-qtz bands. Sharp contacts, well banded, foliated at 45 to CA. Trace py.										
149.3	173.1	(QUARTZ-BIOTITE SCHIST) Felsic-banded, tuffaceous? Similar to previous section. Fg, pale grey/white banded, qtz-bte 20% schist, minor ep? bands, orange vlg k-feldspar bands, muscovite. Sharp upper contact, arbitrary lower contact. Fg py 2%.	136.00	156.00	20.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			156.00	158.50	2.50	5	38	65	483	24	1.74	3409
			158.50	163.70	5.20	5	110	68	487	24	1.82	3410
			163.70	168.30	4.60	15	238	220	1935	47	5.21	3411
			168.30	171.00	2.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

HOLE No: CB102

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB102

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Aut(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		160.2-161.0 Orange-white banded, musc. 10%, x-fractures, qtz-py infilling.										
		161.0-167.0 py on stringers 10-20%, py. 1' contorted fol'ns schist, wk braided texture, py-qtz-bte-graphite banded.										
174.0	191.0	(AMPHIBOLITE-BANDED) Black, grey banded schist. Fg hbl 60%, qtz 25%, bte 10%, plag 5%, trace py. Black-bte bands 20%, minor qtz+ep+plag on bands. Arbitrary upper ct., gradual lower ct. Increase in qtz, qtz+bte banding to base of unit. 179.0 cm py qtz stringer 179.0-182.0 foliation change to 30 to CA. 185.4-185.5 Broken core, schistose 186.8 Broken core	171.00	174.00	3.00	NIL	37	63	91	11	3.03	3412
			174.00	179.00	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			179.00	183.00	4.00	6	49	65	49	5	2.58	3413
			183.60	191.00	7.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
191.0	238.1	(QUARTZ-PO-PY-BTE SCHIST) Felsic-banded-mineralized. Grey, banded, fg qtz+bte 20% schist, sections qtz-bte-po-py banded, sulfides to 50% of sections. Py+po on fg disc. + on conformable stringers. Sections braided to irregular sulfide stringers in qtz-bte schist, sections graphitic. Zns 1-2%, traces fg aspy. Sections qtz+plag mg-white speckled. Minor fg pink garnet 25% sections. 191.0-192.6 Vuggy py 40%-po 20%-zns 2% schist. Graphite 20% qtz + bte, irregular, braided sulfide stringers. 192.8-196.0 po stringers 50%, minor py, trace fg aspy, tr. zns. 196.0-207.5 Qtz-bte weakly banded schist, 1' garnetif., trace py. 207.5-213.8 po-qtz-bte schist, po 60%, tr. aspy, 3' section qtz-bte-plag banded-speckled schist. 216.0-232.2 Braided po-qtz-bte schist, 5% graphite over 1' sections. Po 60-70%, contorted-irregular fine stringers. Zns 2%, fine violet color blebs in po stringers. 220.0-224.0 Folial folding, qtz-eyes pebble size, schist. folded on 1'-2' sections to 232.0' 232.2-238.1 Fg disc po 60%-not stringers, traces Zns, banded qtz-bte schist-contact margin granitic unit.	191.00	193.00	2.00	12	27	552	3576	41	7.37	3414
			193.00	196.40	3.40	15	31	583	2965	44	8.50	3415
			196.40	204.10	7.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			204.10	207.70	3.60	8	17	104	106	3	3.30	3416
			207.70	211.40	3.70	12	14	468	4476	79	11.74	3417
			211.40	213.00	1.60	8	49	425	3357	68	7.40	3418
			213.00	216.00	3.00	14	8	1292	2200	61	15.55	3419
			216.00	219.00	3.00	15	48	823	3797	57	15.04	3420
			219.00	222.00	3.00	13	94	328	3529	65	14.29	3421
			222.00	225.00	3.00	8	52	398	4933	44	12.29	3422
			225.00	228.00	3.00	16	13	475	3741	27	13.21	3423
			228.00	231.00	3.00	6	31	371	2197	24	7.72	3424
			231.00	233.00	2.00	6	11	338	2787	10	8.01	3425
			233.00	235.00	2.00	23	12	423	6640	3	9.47	3426
			235.00	238.10	3.10	10	52	336	1788	24	7.36	3427
238.1	245.8	(GRANITE PEGMATITE) Milky pink colour, mg to pegmatitic, k-feldspar-plag-musc 3%, pink fg garnet 5%, fg disc py 3%. Sharp lower contact, top contact slight indistinct.	238.10	242.00	3.90	NIL	12	32	136	21	0.89	3428
			242.00	245.00	3.00	NIL	10	30	76	17	0.82	3429
245.8	258.4	(QTZ-BTE-NBL SCHIST)	245.80	249.00	3.20	NIL	87	43	64	10	3.50	3430

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB102

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		Intermediate tuff. Grey-black, fg, qtz 50%-bte 30%-hbl 10%, plag-ep? schist, trace fg py. White-fine alteration-plag-qtz, near top contact with gran. Slight mineral segregation-banding at 55-60 to CA. Minor hbl banding, 5% minor plag-hbl-ep bands towards base of unit. Gradational lower contact.	249.00	250.00	9.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
258.4	261.0	(QTZ-PO-BTE SCHIST) Felsic-banded-mineralized schist. Grey, fg, banded po-mn, 40%, qtz, qtz 30%, bte 10%, po 60%, traces fg diss mns. Minor sulfide breccia sections (2-1'), weakly contorted, po 40%, py 30%, qtz 30%. Arbitrary, gradational contacts.										
281.0	372.6	(AMPHIBOLITE-BANDED) Gradational from previous unit. Black, fg, white-green banded 15%, black banded 10% to 8% by base of unit. Hbl 50%, qtz 20%, bte 10%, ep 10%, plag 10%. Biotite content, banding decreases to 8% by base of unit. Top contact based on presence of hbl+ep+qtz+bte, absence of po banding. Weak speckled-black/white(hbl/plag) texture. Grad. lower ct. 291.1-291.3 Broken core, talc?, minor x-fractures. 306.0-307.0 BC, minor x-fractures 316.0-349.0 White fine alt'n, x-fractures 345.0-346.0 BC. 346.0-347.0 Bed stain along x-fractures 350.0-350.2 BC. 346.0-346.2 BC, blue stained.	250.00	262.00	4.00	NIL	64	367	223	6	1.70	3431
			262.00	372.60	110.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
372.6	376.7	(QUARTZ-PO-PY-BTE SCHIST) Felsic-banded, mineralized. Fg, grey banded/black/white. Grad. upper contact based on absence of hbl, presence of po+py banding. Qtz 40%, po+py 40%, bte 20%. Sulfides as mn bands, minor braided schist-.2' section. Sections po banded-30%. Minor vuggy, qtz-po-py-fg graphite 5%-10%, over .3' sections. Traces Zn, aspy. 373.0-373.2 po+py 60%-braided schist 374.0-374.6 po+py graphitic schist, wk crenulated fabric, Traces aspy, Zn. 376.0-376.3 po+py 60%-braided schist	372.60	376.70	4.10	NIL	40	596	1240	16	8.70	3432
376.7	380.6	(AMPHIBOLITE-BANDED) Green-black-white banded, f-ng hbl 50%, qtz 20%, ep 10%, plag 10 bte 7%, py 3% schist, banded-ep-plag-py, 20% bands to 1'. Minor cross fractures, py infilling, no scale.	376.70	380.60	3.90	NIL	97	89	175	6	5.05	3433

HOLE No: CB102

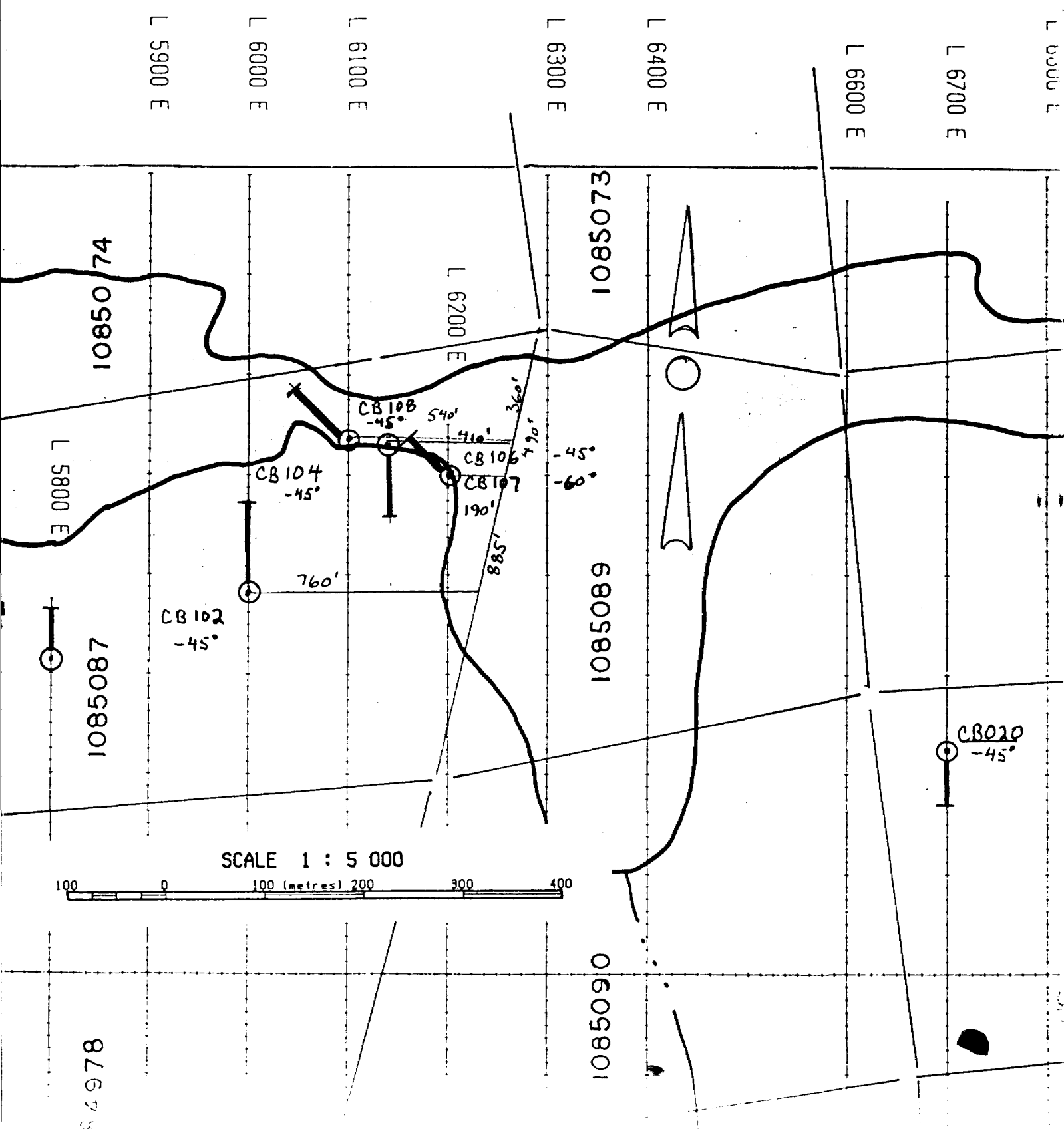
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB102

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		Fine white alteration along fractures,x-fractures.										
380.6	390.2	(QUARTZ-PO-BTE SCHIST)	380.60	385.00	4.40	NIL	60	139	475	10	4.38	3434
		Felsic-banded,mineralized.Similar to previous unit,sections	385.00	388.00	3.00	10	26	655	3260	25	12.90	3435
		braided po-qtz lg schist,sns 25,qtz-po-bte/qtz-bte banded, bte 10%.	388.00	390.20	2.20	23	31	554	3340	26	16.50	3436
		387.0-387.1 Zns 5%.										
		380.6-381.8 Qtz-bte banded,minor po										
		381.8-382.2 Qtz-po+py 60%,graphitic,narrow,sharp unit										
		382.2-385.0 Banded qtz-bte,minor fine orange banded.										
		385.0-386.2 Sharp contacts,banded/braided schist,po-qtz,sns										
		386.2-390.2 Sharp upper ct.,po-qtz sulfide breccia.1', folial folding,pebble-qtz/po breccia/braided po-qtz schist. braided to irregular orientation po ss stringers,Zns.										
390.2	392.8	(GRANITE PEGMATITE)										
		Pink,cg to pegmatitic,9x-cut 100 contacts.Weakly foliated at 80 to CA.Not milky pink colour,different than prev. granitic units.										
392.8	394.3	(QUARTZ-AMPHIBOLE SCHIST)	390.20	394.00	3.80	7	22	22	68	5	1.86	3437
		NVS,Grey,xenolith?,vfg biotite along contact margins.										
394.3	401.9	(GRANITE DIKE)										
		Similar to previous unit.Weakly brecciated top contact, py along fractures,ng to cg granitic,lg pink garnets10%, weakly foliated.Cross cut lower contact.										
401.9	416.0	(AMPHIBOLITE)										
		Black,gray banded:Fg hbl 50%,qtz 35%,ep+plag 10%,bte 5%,bte decreases to base of unit.Bte schist near top contact with granitic unit.Minor py,ep-plag-bte banding,5%.										
		416.0 E.O.H.										



Peterson ( )

**CHAMPION BEAR RESOURCES LTD.**

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB103  
 Collar Eastings: 5625.00  
 Collar Northings: 725.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 315.00  
 Final Depth: 306.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Jan. 27-29.1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								
			FROM	TO	WIDTH	As(ppb)	As(ppo)	Cu(ppo)	Zn(ppo)	Pb(ppo)	Fe(%)
0.0	1.0	(CASING)									
7.0	9.0	(AMPHIBOLITE) Green-grey-black vfg hbl-qtz-epidote schist. Minor fg garnet banding, 5%. Weak banding-qtz-epidote, patches, wk zebra text.									
9.0	13.9	(AMPHIBOLITE-BANDED) Gradational from previous unit. Grey-green black. Pg hbl-qtz-epidote-plag schist. Minor qtz, qtz-ep, plag banding, 4%. Well foliated, banded at 55 to CA. Minor py coating along x-fractures. Traces fg garnet, esp. near btm ct.-granitic margin.									
13.9	23.9	(GRANITIC) Pink, eg to cg, pegmatitic sections, weak gneissic texture, foliated, esp. near margins. Traces fg pink garnet. Biotite 10%, weak banding. Weakly foliated at 50 to CA. 13.9-14.1 garnet-qtz schist near top contact-25%/3'. 23.2-23.9 weak mylonitic texture, bte banding-irregular.									
23.9	56.8	(AMPHIBOLITE-BANDED) Pg, black, hbl-qtz schist. Minor epidote-green black sections, Pale green-white banding, irregular bands, qtz-ep bands to >.2', qtz-ep-plag bands. Weak foliation at 50 to CA. 2-.3' qtz-ep-plag-garnet 5% knots, py 10-30%.	0.00	26.00	26.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			26.00	28.00	2.00	0	10	555	34	4	2.40
			28.00	56.00	28.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
56.8	58.2	(GRANITIC) Ng to cg, minor pegmatitic K-feldspar grains, non foliated, weak mylonitic texture near contacts. Garnet-bte-py 10% irregular schist. .3' near btm contact.									
58.2	60.8	(AMPHIBOLITE-BANDED) As above, minor .2' qtz-epidote-py 10% band, fractured.	56.00	60.70	4.70	0	21	90	70	16	3.75
60.8	63.7	(SHEAR-FAULT BRECCIA) Section: Pg pale green schist, qtz-calcite?, talcose mineral, vfg garnet, banded, foliated at 50 to CA. 10% py, irregular as stringers+fg disseminated xls. Section: Breccia, K-feldspar xls, eg to pegmatitic, granitic?									

HOLE No: CB103

*h o c h*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB103

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	As(ppa)	Ca(ppa)	Zn(ppa)	Pb(ppa)		Fe(%)
		Yuggy, calcite 80%, py 10% matrix. Wraps angular clasts. Matrix 20% Pink+green breccia; Matrix qtz-ep-plag component also. Intensity of brecciation decreases away from center of section. 60.8-61.0 Broken core, talcose fracture coatings, schistose. 63.5-63.7 BC.										
63.7	99.5	(QTZ-BTE-GARNET SCHIST, QTZ-PY SCHIST SECTIONS)	60.70	65.30	4.60	7	64	69	159	3	5.11	3521
		Grey, white banded, garnet-speckled schist. Variable proportions from 70% qtz to 70% biotite, sections, garnet, vfg pink, uniform distribution, 30% minor sections plag to 10%. Generally qtz 60%, garnet 30%, bte 10%, traces py.	65.30	70.10	4.00	NIL	22	85	695	3	5.26	3522
		Sections qtz 50%, py banding 40%, bte 10% - silicious, mineralized sections.	70.10	74.70	4.60	NIL	25	111	328	NIL	6.47	3523
		Generally well foliated at 65 to CA., silicious section at 65 to CA.	74.70	79.70	5.00	NIL	35	132	1490	5	8.91	3524
		to 70.0': Pale colour, white banding, qtz, weak crenulated fabric, weakly brecciated - qtz-calcite cemented sections, 2-3' Plag, brown colour banding, py banding 2%. Gradational unit. Alteration? nearest to mylonite-breccia-prev. section	79.70	84.40	4.70	NIL	307	307	1270	7	11.40	3525
		70.0-76.0 Uniform texture, py 2-3%, minor ma bands in 2' section.	84.40	87.50	3.10	6	39	126	131	NIL	8.15	3526
		76.0-80.8 Increase in garnet, garnet+bte+plag banding, GRAPHITIC, 50% bte, 20% garnet, 5% plag, 25% py, crude banding, weak braided-brecciated texture, weakly st. core.	87.50	92.50	5.00	NIL	31	107	153	NIL	10.40	3527
		77.2-77.4 GRAPHITE, ma bands, weakly conductive along ma bands, foliation planes.	92.50	97.50	5.00	6	84	142	169	NIL	8.81	3528
		78.7-80.0 BC, Graphitic.										
		80.8-84.8 Silicious, mineralized; Braided py 60%, qtz 20%, bte 10% Graphitic, foliated at 30 to CA.										
		83.3-84.3 Garnetiferous, bte schist, qtz banding, brecciated texture, py cemented, irregular stringers, x-fracture infillings, py 10-20%.										
		84.6-93.0 vfg garnet 30%, qtz 30%, bte 30%, 10% py, ma banding, graphitic. Minor pale green, .2' section, qtz-ep.										
		93.0-93.5 Pale grey banded, graphitic, py 30%, qtz 30%, py ma bands, wk braided texture, no garnets.										
		95.2-99.5 Pale green finely banded sections 70% qtz 90%, ep 10%, bte, trace py. Qtz banding 40%, alteration from qtz-section below.										
99.5	105.4	(QTZ-PY-BTE SCHIST, GRAPHITIC SECTIONS)	97.50	102.10	4.00	6	43	214	280	3	3.70	3529
		Qtz 40% - Py 40% - bte 10%, graphite, epidote 10%. Well banded/braided sulfide sections. Minor folial folding, .6' section.										

HOLE No: CB103

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB103

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS										
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample	
		100.0-101.0 qtz70%,py20%,sp10%,bte,qtz vien.Py as f-cg blebs,irregular stringers.											
		102.0-102.1 Graphite-massive-lamination+py.											
		105.0-105.4 Py50%,pol0%,wily developed polyimetic breccia-texture.gradational to next unit.											
105.4	108.8	(QTZITE+PG-PY SCHIST SECTIONS)	102.10	106.00	3.90	7	20	407	3810	14	12.70	3530	
		105.4-107.8 Qtz50%,bte5%,wk banding.	108.00	108.70	2.70	NIL	37	228	786	34	7.23	3531	
		108.0-108.8 qtz-po50%-py20%,bte.weak cg sulfide breccia											
		Minor cg k-feldspar grains,.3'at base of section.											
		Weak braided,mylonitic texture.Sub angular clasts.											
108.8	129.7	(GARNET-QTZ-BTE SCHIST,MINOR QTZ-PO-BTE SCHIST)	108.70	112.70	4.00	NIL	40	269	363	17	5.94	3532	
		108.8-115.6 Garnet40%-qtz30%,bte,minor py,minor green qtz section.	112.70	115.00	2.30	14	41	77	155	11	9.39	3533	
		115.6-117.5 qtz-po-py-bte schist,.5',remainder pale green, pervasive alteration in qtz-bte schist;weak mylonitic tex.	115.00	119.00	4.00	NIL	38	113	318	10	7.21	3534	
		117.5-121.7 Schistosity,py banding weakly developed.	119.00	123.00	4.00	NIL	45	187	81	7	7.38	3535	
		Gradation from green-altered,py banded schist to qtz-garnet bte schist,avg.	123.00	129.00	6.00	NIL	28	282	54	5	7.46	3636	
		120.0-120.8 Green/white,cross fractured,py 3mm infillings, weak mylonitic fabric,late fractured.											
		122.7-122.9 py.5cm x-fracture coating.											
		127.4-129.7 qtz+green qtz,py30%,riming qtz band,margins, po20%,top.2' margin.-qtz-mineralized section.											
129.7	167.2	(QTZ-GARNET-BTE SCHIST)											
		As above,qtz45%,garnet45%,bte10%,weak foliation at 30to CA.											
		Minor inhomogeneity,traces py,near top of section,minor granitic dikes.											
		to 158.0';3-.5' pink,orange,white conformable,ng granitic dikes,slight irregular contacts,traces py near contact margins.											
		145.0-145.5 BC,blue stain,cross fractured.											
		164.5-166.0 Qtz-plag banding 60%,weak gneissic fabric.											
167.2	186.2	(GRANITE PORPHYRY)											
		Orange,ng,weak brecciated fabric,10%garnet,5%bte.											
186.2	245.3	(QTZ-GARNET-BTE SCHIST)											
		As above.											
		To 236.0';Minor cherty qtz-vfg sections,10%,.2'-.6', minor fine white-pale green altered-qtz-op? narrow sections											
		minor x-fractures,with py,white coatings.											

HOLE No: CB103



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB103

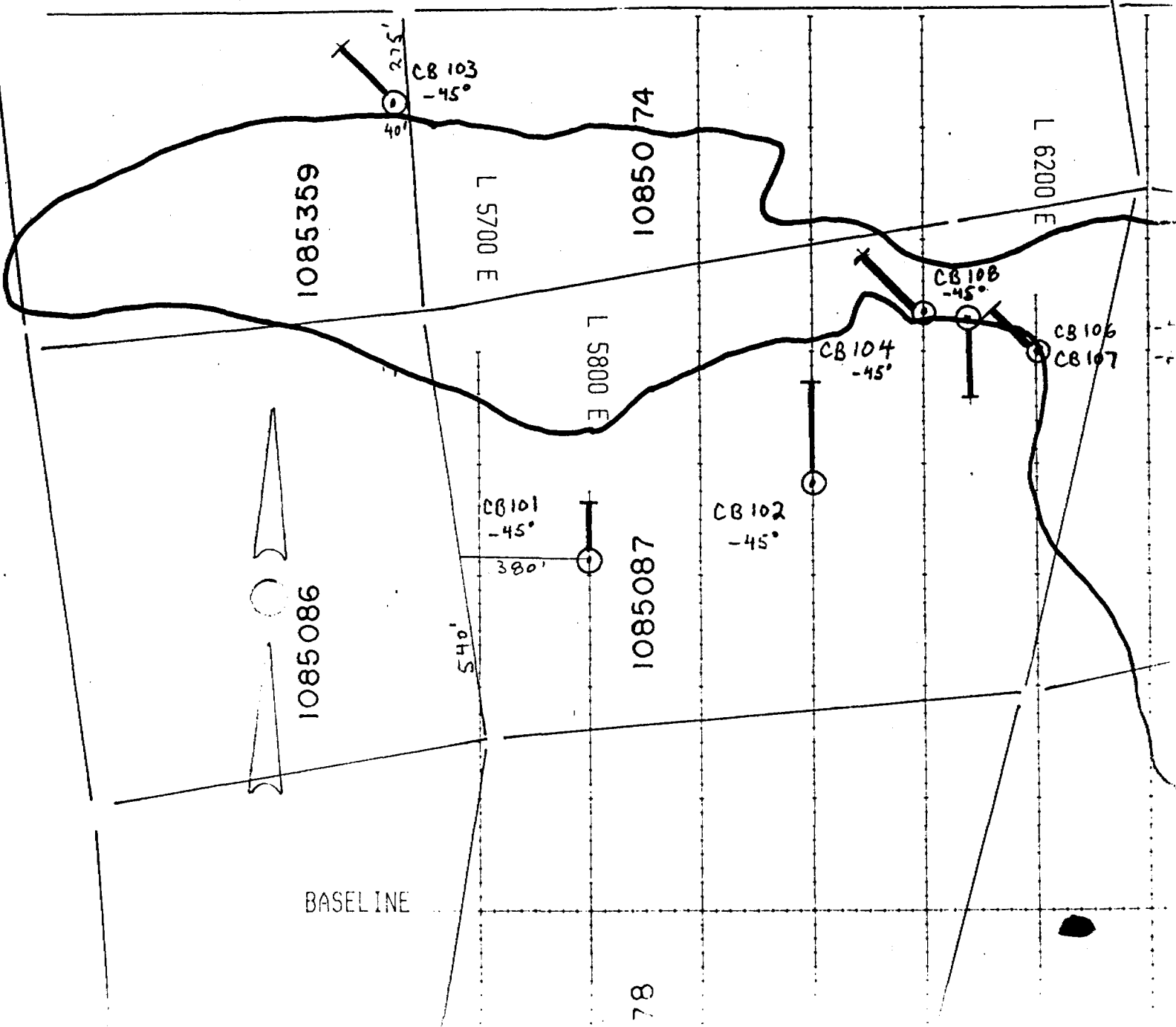
Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Weak fabric at 40 to CA. 215.7-216.2 Granitic pegmatite, orange-white, ng, garnet, brecciated contacts. 235.2-236.0 Granitic, orange, m-cg, bte+hb1?10X, garnets. 241.0-245.3 Pale green tint, white speckled, minor sections without garnet-banded quartzite.										
245.3	247.2	(GRANITE PEGMATITE) Pink, orangish, ng, wk porphyritic texture, bte+hb1?20X, banded, wk sylonitic texture.										
247.2	271.2	(AMPHIBOLITE) Green black, fg, weakly banded, qtz, qtz-epidote bands. Hbl-ep-qtz schist. Foliated at 36 to CA. -sections banded at 70 to CA. Minor fine white banding, pervasive alteration. Minor granite-banded pegmatite sections. 254.0-254.2 Granite pegmatite 255.0-256.0 GP 258.7-259.3 " 261.1-261.5 " 263.0-263.6 " 265.0-268.3 Granite-basement? 7.5' section green black schist 268.3-271.2 Mafic-amphibolite										
271.2	306.0	(GRANITE) Pink, ng, K-feldspar-hbl+bte 10-15X. Weak foliation at 40 to CA, cross cut top ct., abundant broken, blocky core. 271.6-272.5 Broken Core	129.00	306.00	177.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

SCALE 1 : 5 000



L 5900 E  
L 6000 E  
L 6100 E  
L 6200 E  
L 6300 E



*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB104  
 Collar Eastings: 6100.00  
 Collar Northings: 535.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 315.00  
 Final Depth: 346.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Jan. 29-30, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
0.0	35.0	(CASING)										
35.0	114.4	(AMPHIBOLITE)	0.00	53.00	53.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
		Green black, white/pale green patches-possible pillow mafic volcanic cores, selvages.	53.00	56.00	3.00	12	41	91	41	8	2.89	3550
		Fg hbl60%, qtz20%, plag10%, ep10% schist, pale banding, patches	56.00	101.70	45.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	3551
		40% Patches qtz-plag-epidote. Weak foliation, fabric at 75 to CA. Patches sections to >.2'. Minor irregular qtz-plag-ep bands. Traces po, py in patches.	101.70	105.00	3.30	44	193	135	82	10	3.86	3551
		Minor m-cg garnet, narrow sections, +bte banding.	105.00	113.50	8.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		40.0-41.1 Pale green-pervasive alteration? mg garnet 2X, bte banding.										
		53.5-54.2 Garnet, cg, rim, 50%, +hbl-ep-plag, rim ep-qtz-py band, py 30%.										
		87.2-87.5 Vuggy-py-cm x-fracture infilling.										
		101.8-102.5 Pink, orange, K-feldspar, Granitic peg.?										
		112.0-112.2 BG, schistose.										
114.4	116.4	(QTZ-PY-PO-BTE SCHIST)										
		Banded, grey/orange/bte/sulfides. Qtz 50%, py 30%, po 10%, bte 10% minor vfg garnet bands, bte to 30% of sections. Qtz-green tint-ep? or fuchsite?										
		Weak clastic texture-clast outlines-cg, lensoid, qtz, qtz+py. Finely banded, foliated at 75 to CA. Top; sharp conformable contact, bottom ct. slight gradational.										
		Py as streaks, no stringers.										
		116.0 Trace Zn-mn/cu streaks.										
116.4	139.0	(AMPHIBOLITE)	113.50	119.50	4.00	73	110	112	777	6	4.38	3552
		Grey black, fg hbl-qtz schist, minor qtz-ep, qtz-ep-plag .1-.2' bands.	117.50	138.50	21.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		128.5-139.0 Pale grey, banded, bte 10-20%, qtz banding 30%, plag-bands-alt'a by felsic lower unit?										
139.0	173.3	(QTZ-BTE-PO, PY SCHIST)	138.50	142.00	3.50	NIL	50	77	100	6	4.26	3553
		Grey, orange, white bands, py+po bands + stringers, bte bands.	142.00	147.00	5.00	12	173	176	1055	16	5.64	3554
		Minor qtz-epidote? bands. Qtz-epidote-graphite band-.6'.	147.00	152.00	5.00	7	35	253	1542	25	5.77	3555
		K-feldspar-vfg-orange bands.	152.00	156.00	4.00	8	21	542	1615	41	7.39	3556
		Inhomogenous texture, finely banded sections.	156.00	161.00	5.00	NIL	14	192	217	10	5.58	3557
		Qtz 50%, po 10%, py 10%, bte 10%, orange mineral 10%, graphite 2%	161.00	166.00	5.00	NIL	23	187	208	15	4.90	3558

HOLE No: CB104

*R O [Signature]*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB104

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(pph)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Traces Aspy,Zns,Cpy.	166.00	171.00	5.00	NIL	27	232	388	10	5.71	3559
		139.0-141.0 Orange banded-2.5' sections,finely fractured, Graphitic cross fracture coatings. Orange banded margins,green-quartzite-banding centre, py 10-20%,along fractures.graphite 10%-conductor. 141.0-153.0 Py bands,streake,5%,minor orange bands. 148.7- Clast? qtz-py pebble. 149.5-Trace zns' in po-py .1' section. 150.0-150.1 ep-band,ag euhedra,100%. 153.0-173.3 Inhomogenous texture,composition.Po banding 10%,py 15%. 5% orange banding,bte banding,minor green/ orange banded section. Minor .2' vuggy -py euhedra-cg calcite-band/fracture infilling. 153.0-154.0 traces Zns,Cpy in po 30% schist section. Graphitic laminations. 157.0-158.0 Disc. graphite + mn bands 20%,section minor po-py bands. .2' vuggy py-calcite 10% x-fracture coating. 160.0 Graphite bands,green-white .05'. 160.7 Graphite-wh crenulated 3mm band. 161.5-162.4 graphite 25%,crenulated+ massive section, irregular stringers,in green-white fractured band,calcite. Traces Aspy in orange bands. 164.0-164.3 3 mm crenulated graphite band in green-white .3' patchey section. 166.0-166.2 Vuggy py-graphite schist,minor po stringers. 173.1-173.7 Orange-Grey banded to pale green vfg,qtz- epidote? schist.Vfg,aphanitic K-feldspar-orange bands. Contact margin with mafic schist.										
173.7	211.3	(AMPHIBOLITE)	171.00	175.00	4.00	NIL	24	161	230	10	5.08	3560
		Black,fg hbl-qtz schist,minor qtz-ep.py banding,bte banded section. 173.7-190.0 Pale green banded/permanently altered-Qtz-ep- plag>hbl.Qtz,qtz-epidote-pale brown colour bands. Minor py,fractures,x-fractures. 190.0-211.3 Minor bte banding.	175.00	181.00	6.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			181.00	186.00	5.00	15	29	76	77	7	4.70	3561
			186.00	190.00	4.00	NIL	17	41	30	4	3.35	3562
			190.00	211.00	21.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
211.3	213.9	(GRANITIC PEGMATITE)										
		Pink,f-cg,fg white margins,biotitic,fg garnet 5%,epidote, .1' margins.Contacts 50 to CA-top,55 to CA,btm. Minor Muscovite,bte.traces py,fg,along fractures,x-frax, minor mn bands.										

HOLE No: CB104

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB104

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									Sample
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
210.9	250.7	(AMPHIBOLITE) Similar to previous section. Trace py.	211.00	214.50	3.50	18	37	39	59	22	2.11	3563
			214.50	238.00	23.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			238.00	241.00	3.00	NIL	49	43	39	19	2.22	3564
			241.00	250.70	9.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
250.7	256.3	(QUARTZITE-BANDED) Pale-creamy beige/grey/white banded-patches to .2'. Qtz 75%,plag 10%,musc 5% ep 5% -hbl 5%-hbl near base of section. Majority:95% qtz-schist-dark banded-hbl?ep.,cn bands.Sections qtz-ep-plag banded. Sharp upper ct.,gradational lower ct.NVS. 253.3' Crenulated graphite 2mm band.	250.70	255.70	5.00	NIL	24	7	17	22	1.02	3565
256.3	267.4	(AMPHIBOLITE) Similar to previous.Minor qtz,qtz-ep bands,plag,pale green tint -.4' section.Minor py,mn stringers.	255.70	267.00	11.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
267.4	270.8	(QTZ-BTE-PO SCHIST) Felsic-banded,mineralized.Similar to prev.,sharp upper ct., pale green schist near/at lower ct. Qtz 65%,po 25%,graphite 5%,bte 4%,py 1%,Traces Cpy,Zns. Po banding increases towards base of section;Po 25%. Graphite as mn.bands+disseminae in Po schist. Foliated at 75 to CA. 269.1-269.2 Zns trace. 270.0-270.8 Pale green,whly banded,Qtz-milky green tint-Puchite? Minor bte bands.,Weak foliated at 50 to CA.Py 5%/5'.										
270.8	303.5	(AMPHIBOLITE) Similar to previous;Hbl-qtz-ep-plag schist,10% bte banding. Minor pale banded section,qtz,qtz-plag-ep py 10% bands.1-1. 270.8-287.0 Pale banding,bte 10% bands. 287.0-301.0 Decreased banding. 301.0-303.5 Increased banding.Minor patchey zebra rock texture.	267.00	271.00	4.00	8	36	392	801	28	3.42	3566
			271.00	277.00	6.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			277.00	281.00	4.00	5	41	62	94	20	2.68	3567
			281.00	285.90	4.90	NIL	38	66	43	18	2.37	3568
			285.90	302.50	16.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
303.5	306.2	(PO-QTZ-BTE SCHIST) Grey,sulfide banded,braided schist.Graphitic bands? Po 70%,decrease to base of section.Minor Py.										
306.2	310.3	(QTZ-BTE SCHIST) Felsic banded-qtzite,hbl? Quartz rich section between qtz/ po schist sections.Hbl laminations?,minor ep?-qtz lenses,5%	302.50	307.00	4.50	11	64	461	1632	38	9.17	3569

HOLE No: CB104

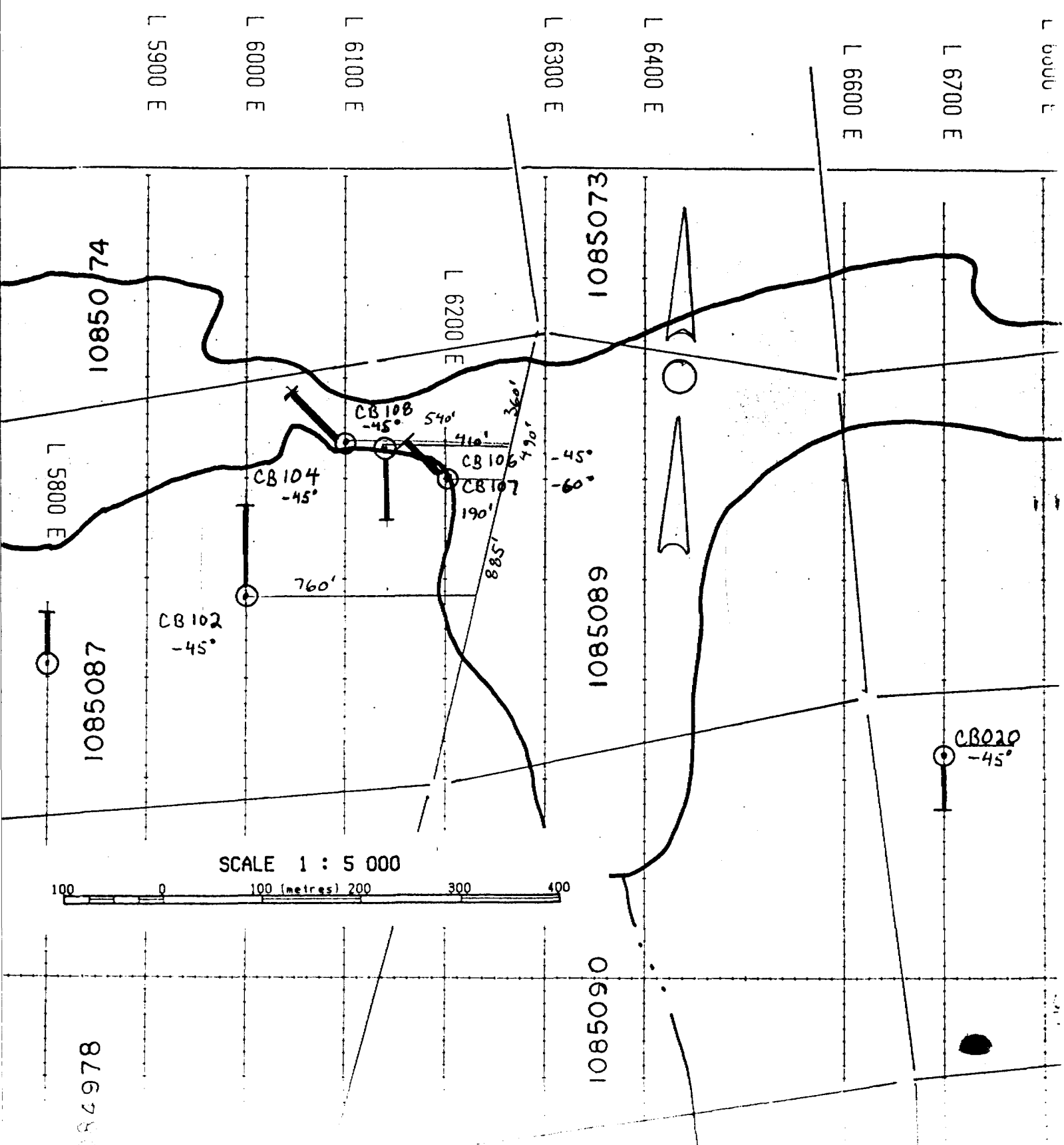
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB104

Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(%)	Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
		near base of section. 309.0 Minor garnet 30%-bte 70% .1' band.										
310.3	310.8	(QTZ-PG-BTE SCHIST) Qtz 40%, Po-Py 40%, Bte 10%, Graphite! Po banded, weak braided texture. Minor py streaks.										
310.8	334.4	(AMPHIBOLITE) Black, vfg, white speckled. Hbl-qtz-plag-ep-bte schist. Minor diss. bte., bands, esp. top of section. Weakly foliated at 65 to CA. Minor qtz-ep-plag, py band-.2' Minor qtz-mn. bands. 325.7-326.8 Granite dike, fg, white, conformable cts.	307.00	311.50	4.50	NIL	65	123	190	20	5.05	3570
334.4	338.1	(GRANITE PEGMATITE) White, Mg, 1.1' Pegmatitic K-feldspar section, top. Bte 5%. NYS.										
338.1	346.0	(AMPHIBOLITE) As above. Minor bte banding, esp. near Granitic dike margins. Minor granitic dikes-3 to .8'. 338.1-338.6 Bte banding, minor py stringers, minor mn-qtz banding.  346.0 E.O.B.	311.50	346.00	34.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.



Paterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB105  
 Collar Eastings: 5300.00  
 Collar Northings: 250.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 0.00  
 Final Depth: 492.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Jan. 23-26, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(X)
0.0	20.0	(CASING)										
20.0	256.0	(GRANITIC-PORPHYRITIC GRANODIORITE) Pink/white sections. Fracturing, cross fracture, minor. Moderate hematite stained-red, near top, non uniform. P-rg K-feldspar-plag-qtz-bte 5%, Lithian muscovite 5%. Weakly foliated at 60 to CA., traces gneissic texture. Traces of pink garnets. Weak porphyritic texture-Coarse K-feldspar grains. Uniform composition, inhomogeneous coloured. 20.0-46.0 red stained-hematite 59.3 bte-.5cm band 126.0 BC. 2' 196.0 BC. 2' 196.0-213.0 yellow stain, moderate red stained. 204.2-205.6 finely brecciated, laminated. 221.0-225.5 Banded, braided, green platy mineral 246.0-247.0 BC										
256.0	416.5	(AMPHIBOLITE-BANDED) Green black, fg, hb160S, qtz30A, ep5X, bte5X schist. 10% qtz-ep bands, up to >.1'. 5% bte-ep bands, minor garnets. Sections banded lite green, black. Well foliated, banded at 60 to CA. Minor irregular+cross feature on fine white banding. Traces py in sections. Banding also as irregular patches-qtz-ep, garnet, trace py, sections approach sebra texture. Inhomogeneous texture. 256.0-256.2 BC 268.7-269.0 BC 272.8-273.2 ep-calcite x fracture infilling, black mineral zoned-calcite margin/ep-calcite core. 285.0-286.0 Granitic pegmatite. pink, ng, x-cut top ct., 90 to CA, bte ct 50 to CA. 293.8-298.5 qtz-bte banded, brown/white, sharp contacts. 298.3-299.2	0.00	272.40	272.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			272.40	274.00	1.60	6	21	90	18	2	1.73	3486
			274.00	289.00	15.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			289.00	291.60	2.60	NIL	20	392	32	2	2.01	3487
			291.60	416.30	124.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
416.5	434.3	(QTZ-BTE-PO SCHIST + GARNET-QTZ-PO-EP SCHIST) Narrow sections, felsic schists, banding; bte, po, py, garnet-ep. Grey black, fg schist, po bands, qtz+bte+po, garnets. Minor section .05' po-py-garnet-bte zoned schist, 80%	416.30	428.30	4.20	10	24	213	305	2	5.51	3488
			428.30	429.50	5.00	7	22	370	137	10	9.21	3489
			429.50	429.50	4.00	NIL	33	90	110	4	5.30	3490
			429.50	434.30	4.80	5	16	245	65	6	0.88	3491

HOLE No: CB105

*[Handwritten signature]*



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB105

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		<p>garnet/.2'. Kink folding, minor cross fractures. Other sections Green/grey, ep-qtz-garnet-bte-hbl?-po banding, folial folding-Garnet 30% over 3-.3' sections. Generally foliated at 55 to CA, sections near base of unit foliated at 25 to CA. Garnet 20%, Po 20%, py 5% 416.0-418.3 minor po bands. 418.3-426.0 5-10% fg garnet po 10%, py 5%, .05' section, garnet 80% in bw. 426.0-429.0 minor po bands. 429.0-434.4 Contorted to irregular bands, garnet 20%, mn to ca bands, po 25%, py 2%, mn bands.</p>										
434.3	437.0	<p>(MASSIVE SULFIDE-PO) Po matrix 70%, f-cg qtz angular clasts. Minor qtz-po clasts, banded, pebble size, 2-.3' hbl? garnet-bte clasts, near base of section.</p>										
437.0	437.5	<p>(QTZ-GARNET-PO-BTE SCHIST) Banded schist, weakly contorted foliation. Po 30%.</p>										
437.5	450.5	<p>(QTZ-GARNET-BTE-EP SCHIST/QTZ-PO-PT-SCHIST SECTIONS) Inhomogenous schist, sections f-cg garnet 60%-qtz-ep-bte + minor po, hbl? schist, weakly banded. Sections qtz-cg ep-plag-fg garnet, patchy, banded texture. Foliation variable, 45 to CA, top of section, well foliated, banded. Near base of section-weak fabric, 30 to CA. Unit bte. ct. mylonitic texture qtz-ep-py 10%-bte schist with py matrix as stringers around lensoid qtz fragments. 437.5-437.7 qtz-po schist, weak banded, po 50%, gradational from previous unit. 437.7-442.7 Sections f-cg garnet 60-80%, sections trace garnet. 440.0 ate 10% gara-ep-qtz schist, banded, po, py as stringers to .1'. 438.0-439.0 qtz-bte-py schist, rim pebbles-relict clasts- qtz-po pebbles. 442.2-442.4 as above. 442.7-450.5 qtz-ep cg schist; Mylonitic fabric, green/white patches to banded sections, mn to .95' Possible relict clasts-qtz-py-ep, cg to pebble outlines. 20% vfg garnetiferous patches. Appearance of mixed provenance mafic? tuffaceous unit. Qtz dominant mineral in matrix, clasts.</p>	434.30	438.00	3.70	13	65	750	91	NIL	25.40	3492
			438.00	442.70	4.70	15	31	177	75	2	12.60	3493
			442.70	446.00	3.30	5	45	44	30	13	4.75	3494
			446.00	449.00	3.00	NIL	139	30	91	13	4.44	3495
			449.00	450.50	1.50	NIL	63	191	514	NIL	8.92	3496

HOLE No: CB105

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.

HOLE No.: CB105

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Py 10%, matrix in highly silicious sections, also in qtz-py clasts. 443.0-444.0 silicious, py 20%. 444.2-447.8 " " py 5%. 449.0-450.0 silicious, cg ep, polyactitic. 450.0-450.2 Mylonitic texture 450.2-450.4 cross fractures, 35 to CA, on py coatings, black mineral.										
450.5	472.2	(AMPHIBOLITE) Fg hbl-qtz-ep schist. Green black, weak foliated at 45 to CA. Minor patchy-zebra-qtz-plag alt'n section. Traces bte fg. WYS.	450.50	453.50	3.00	NIL	76	93	82	NIL	3.14	3497
472.2	473.0	(GRANITE) Pink/grey, silicious, K-feldspar, cg garnets 10%, conformable contacts, minor bte banding in mafic schist near margins.										
473.0	483.0	(AMPHIBOLITE) As above, black, fg hbl-qtz schist. Minor qtz-ep-plag on irregular banding. 483.0 co-conformable py: talcose mineral stringer. 486.2 " " " "	453.50	481.70	28.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
483.0	490.8	(GRANITIC) Contact margin-mafic schist altered. 2-.5' granitic, cg, pink orange, garnetiferous, alternate with garnet-hbl-qtz-py mineralisation banded schist sections. 483.0-483.3 crenulated foliation-K-feldspar, ag garnet 30%, bte 30%. 483.3-483.6 hbl-qtz schist, plag? 483.6-484.3 Orange, K-feldspar, ag, ag garnet contact-rim with mafic schist, cross cut contact-20 to CA. Minor cross fracture with an py/black mineral coating. 484.3-485.1 PY-SCHIST ag py 60% round xls in a black, foliated matrix, hbl-epidote, garnet 80% schist rims py schist .1' each margin. 484.9-488.5 Folial folding-qtz-hbl-py schist, garnet 20%, 3 sections garnet 80%, noses of folial folds. Py variable, 10-50% of sections. 486.0-486.4 PY-SCHIST Py cg, round xls, similar to previous, py xls in a matrix-hbl-qtz, wky braided, crenulated fabric. Py loc. stringer, +fg diss. py. Py 80%. 486.4-490.9 Banded schist-hbl-qtz-plag, wk speckled texture,	481.70	484.70	3.00	18	42	93	182	26	8.27	3498
			484.70	488.00	3.30	8	11	159	338	3	9.42	3499

HOLE No: CB105

CHAMPION BEAR RESOURCES LTD.

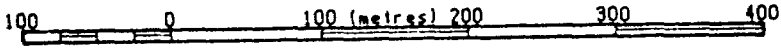
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB105

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(%)	Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
		black/white, minor f-ag garnet bands, ca. 10-20%. Py+po no stringers-10%. Contact non with granitic unit?										
490.8	494.0	(GRANITIC) Pink, ag, x-cut top ct.-20 to CA, slight irregular ct. Minor hbl-qtz-plag assimilated .4' section.	488.00	491.30	3.30	NEL	13	67	195	NEL	4.91	3500
		494.0 E.O.N.										

SCALE 1 : 5 000



L 4900 E

L 5000 E

L 5100 E

L 5200 E

L 5300 E

L 5400 E

L 5500 E

L 5600 E

L 5700 E

L 5800 E

6925801

1085071

1085087

1084978

1085117

1085120

CB 105  
-45°

840'

105'

lake

9805801

1085119



*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB106  
 Collar Eastings: 6200.00  
 Collar Northings: 500.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 315.00  
 Final Depth: 246.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Jan. 31- Feb. 1, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
0.0	9.0	(CASING)										
9.0	47.7	(AMPHIBOLITE) dark green, fine grained, well foliated at 55 to C.A.; minor to moderate biotitization and segregation of biotite into fine bands, minor to moderate fine x-fractures; traces of fine disseminated Py, Po, Aspy; 32.5 - 33.4 - sil'd, alt'd shear zone increase in fol'n, shearing and biotite segregation down hole, minor Py, arbitrary lower contact - probably same rock unit below	0.00	47.70	47.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
47.7	61.0	(AMPH-BIO-PLAG-QTZ SCHIST) similar to above, increase in shearing, fol'n, leaching, sil'd and mineralized, traces of fine disseminated Py, Po, Aspy brownish green color due to increase in biotite 56.2 - 58.2 - hly alt'd, mod. sil'd, 3-10% stringers Py, minor Aspy 58.2 - gradual decrease in shearing and alt'n down section; arbitrary lower contact	47.70	53.00	1.30	NIL	46	78	133	5	2.96	3571
			53.00	56.00	3.00	NIL	106	79	236	7	2.53	3572
			56.00	58.10	2.10	11	40	194	2956	26	1.47	3573
			58.10	61.00	2.90	5	8	103	223	4	3.64	3574
61.0	113.6	(AMPHIBOLITE) similar to 9.0 - 47.7 generally fine grained with coarser grained sections; traces of fine disseminated and fine stringers Py, Po, Aspy 80.4 - 80.6 - quartz vein, conformable, biotitic contacts										
113.6	119.2	(PRGMATITE DIBB) pinkish, heterogeneous medium to coarse grained, sharp biotitic contacts at 70 to C.A.										
119.2	150.4	(AMPHIBOLITE) dark green, fine grained, finer than above, foliated at 55 to C.A.; minor to moderate fine fractures; 1-2% fine diss. and fine stringers Py, traces Po, Aspy 131.0 - 132.0 - 2-5% scattered garnets 2-3 mm diameter	61.00	150.30	89.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
150.4	164.3	(MINERALIZED ZONE) alt'd, leached, sil'd 150.4 - 152.2 - hly sil'd, 20-25% Py stringers, minor Sphal	150.30	152.70	2.40	18	511	306	4897	34	3.45	3575
			152.70	157.30	4.60	154	2000	534	2681	52	9.69	3576
			157.30	169.00	2.50	189	949	908	7126	71	12.21	3577

HOLE No: CB106

*R O [Signature]*

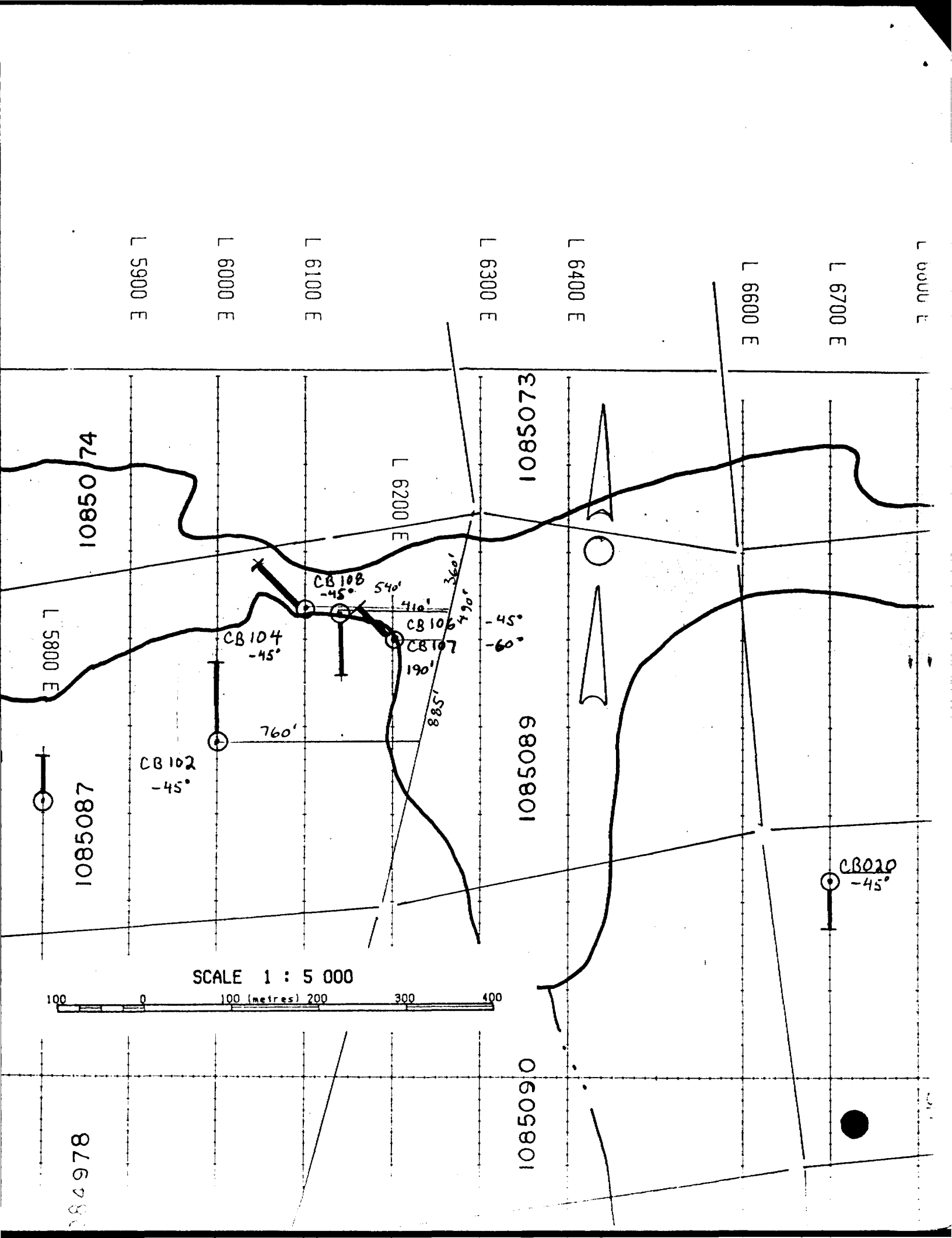
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB106

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		and disseminated crystals Aspy	159.80	162.00	2.20	60	208	515	6103	77	14.12	3578
		152.7 - 162.0 - 40% alt'd and sil'd felsic to intermediate metavolcanics, 20-25% Po, 2-4% disseminated Aspy, 5% Py, 2-4% Sphal, traces Cpy; sulfides occur as semi-massive, irregular stringers and crude bands, minor to moderate micro folding; banding and foliation at 70 to C.A.										
		162.0 - 164.3 - intermediate metavolcanic; 5-8% stringers Po minor Py, traces Aspy										
164.3	207.8	(INTERMEDIATE META-VOLCANICS)	162.00	164.40	2.40	236	122	244	3158	32	6.27	3579
		dark grey, fine grained, well foliated at 75-80 to C.A.	164.40	180.20	15.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		moderately biotitic, biotite segregated into fine bands	180.20	183.00	2.80	8	22	239	897	10	4.38	3580
		180.2 - 181.5 - leached, vuggy, 10% Py stringers; overall traces Py, Po										
207.8	208.6	(BRECCIA ZONE)										
		angular fragments 1-3 cm. diameter, cemented, sil'd; 5% fine Po, Py										
164.3	246.0	(INTERMEDIATE FRAGMENTAL)	183.00	246.00	63.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		fine grained, medium grey intermediate fragments in a anph-bio rich matrix giving rise to a crudely banded appearance, some fragments have ghost outlines; crudely banded and well foliated at 75-80 to C.A.										
		5% plag. stringers, minor scattered garnets, traces sulfides										
		246.0 - E.O.N.										



CHAMPION, BEAR RESOURCES LTD.

DIAMOND DRILL LOG

*Patterson*

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB107  
 Collar Eastings: 6200.00  
 Collar Northings: 500.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -60.00  
 Grid Bearing: 315.00  
 Final Depth: 226.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 1-2, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS														
			FROM	TO	WIDTH	As(ppb)	Ar(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample	Zn/Cu				
0.0	9.0	(CASING)															
9.0	138.6	(AMPHIBOLITE)	0.00	64.50	44.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000
		dark green, fine grained, foliated at 50-55 to C.A.; minor to moderate x-fractures-healed; minor sil'd and alt'd sections <5% quartz-carb veins; minor to moderate biotitization and segregation into narrow bands	64.50	65.50	1.00	NIL	53	80	325	7	3.84	3591	4.063				
		65.50 - 68.00 - slight to moderate sil'n, biotitic, fine grained brownish grey	68.00	70.30	2.30	105	146	199	1992	11	6.49	3592	10.010				
		61.0 - 43.0 - minor sil'n, few narrow pegmatitic stringers															
		60.0 - 76.0 - slight to moderate sil'n, biotitic, fine grained brownish grey															
		64.8 - 65.1 - conformable quartz stringer; minor Py,Po															
		68.0 - 68.7 - quartz vein, grey, conformable, traces Py,Po															
		69.5 - 70.2 - sil'd, 15-20% fine stringers Py,Po															
		72.3 - 72.4 - 35% Py in sil'd section															
		72.4 - down section, minor fine stringers and x-fractures with Py, traces Aspy,Po															
		95.0 - 120.0 - fine to medium grained anph. with minor irregular aggregates and stringers quartz															
		108.0 - 108.4 - quartz stringer with coarse anph. crystals															
		116.0 - 116.2 - pegmatite stringer															
		118.2 - 118.4 - pegmatite stringer															
138.6	141.4	(PEGMATITE DIKE)															
		mottled salmon pink, medium to coarse grained, sharp contacts															
141.4	162.6	(AMPHIBOLITE)	70.30	162.10	91.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000
		similar to before; minor fracture fillings and fine stringers Py,Po															
162.6	189.0	(ALTERED AND MINERALIZED ZONE)	162.10	164.20	2.10	11	74	103	767	5	4.38	3593	7.641				
		162.6 - 164.3 - minor sil'n; 2-3% Py stringers	164.20	167.20	3.00	41	111	233	3463	32	9.10	3594	14.063				
		164.3 - 167.1 - biotitic and sil'd; 5-10% Py, minor Sphal, Cpy,Aspy	167.20	170.50	3.30	7	104	65	99	2	3.63	3595	1.523				
		170.50 - 173.30 - anph, traces sulfides	170.50	173.30	2.80	38	555	393	393	6	6.55	3596	1.000				
		167.1 - 170.5 - anph, traces sulfides	173.30	179.00	5.70	25	1180	252	2090	34	7.34	3597	9.325				
		170.5 - 173.3 - moderately leached, increasing down section greyish-green; 5% PyPo, minor Aspy	177.00	179.70	2.70	37	366	291	2085	31	6.27	3598	9.914				
		173.3 - 174.7 - hly leached, greyish sil'd, 173.3 - 174.0 70% quartz, overall 10% Py, 10% Po, 1-3% Aspy, 1-3% Sphal	179.70	184.90	5.20	17	272	191	290	6	5.92	3599	1.518				
		179.7 - 184.5 - moderately leached and sil'd; minor Py,Po,Aspy - disseminated															

HOLE No: CB107

*RE*



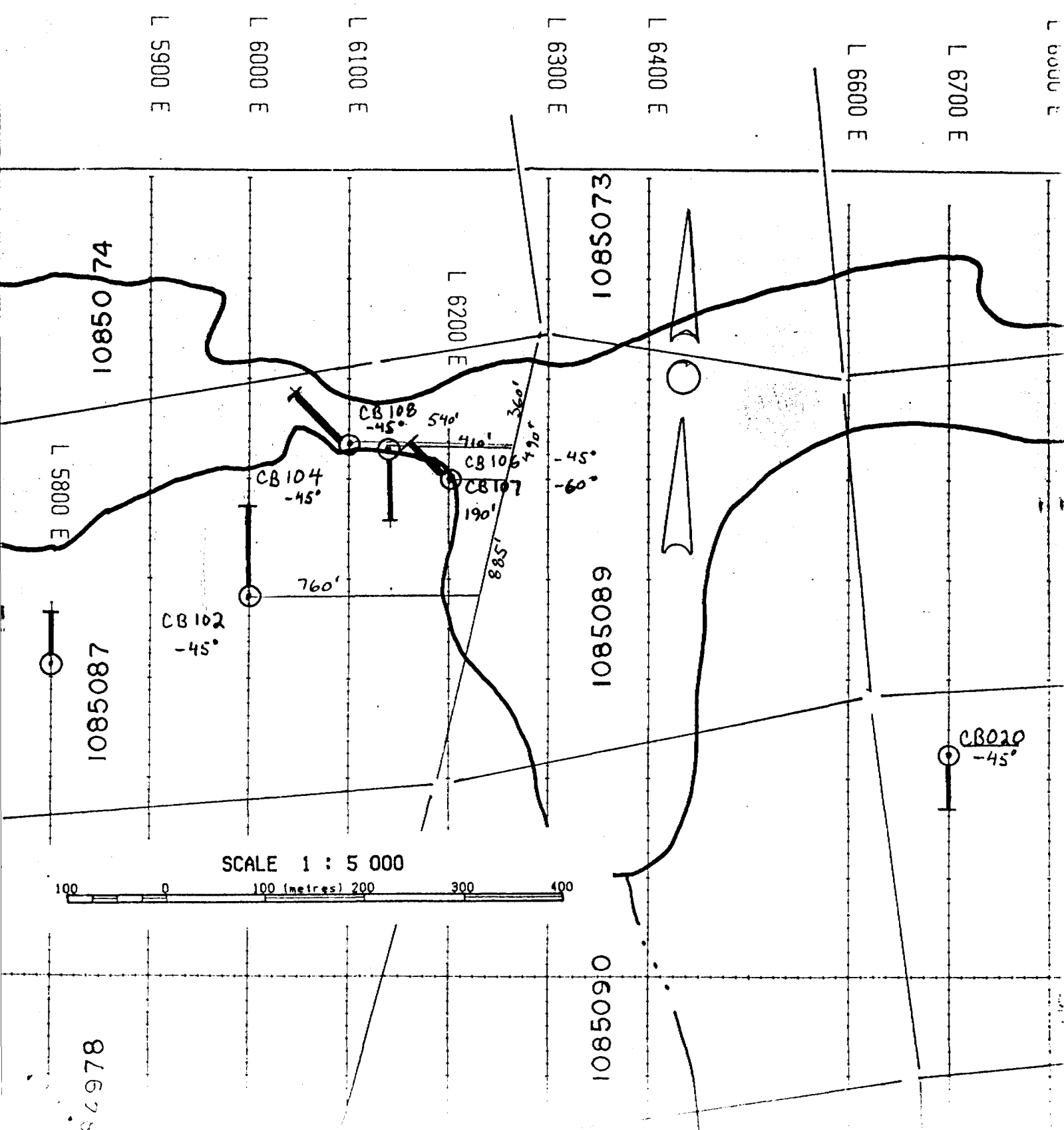
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB107

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	Zn/Cu	
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)			Fe(%)
		184.5 - 185.0 - hly leached and sil'd; 10% Py, 5% Po, minor Aspy											
		185.0 - 189.0 - moderately leached and sil'd; minor Py stringers, traces disseminated Aspy											
189.0	225.0	(INTERMEDIATES META-VOLCANICS)	184.80	189.20	4.30	7	53	106	381	5	4.38	3600	3.594
		greyish green, fine grained, crudely banded, alternating siliceous and amph-bio rich sections, possibly fragmental well foliated at 60 to C.A.	189.20	226.00	36.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	1.000
		217.0 - 217.5 - sil'd; 5% Py, Po in fine stringers											
		226.0 - R.O.H.											



*Peters*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB108  
 Collar Eastings: 6140.00  
 Collar Northings: 525.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 316.00 feet

Logged by: I.E.S. Ltd. - L. Chastko  
 Date: Feb. 2-3, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(X)
0.0	26.0	(CASING)										
26.0	36.0	(QUARTZ-BIO SCHIST) brownish grey, fine grained, foliated at 25 to C.A.; minor to moderate fine healed fractures, minor leaching and sil'n; traces PyPo										
36.0	136.2	(AMPH-QTZ-BIO SCHIST) dark green, fine grained, foliated at 25 to C.A.; minor narrow biotite segregated bands 73.8 - 74.3 - pegmatitic stringer, sharp contacts	0.00	136.20	136.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
136.2	150.5	(SIL'D AND MINERALIZED ZONE) 136.2 - 141.0 - 40X schist, 50X sil'd sections, mineralized with 10-15X PO, 5X Py, traces Aspy, foliated and banded at 25 to C.A. 141.0 - 150.5 - sil'd section with 5-10X Py, minor Po 149.0 - 150.5 - moderately brecciated zone	136.20	141.00	4.80	14	38	439	307	4	4.51	3601
			141.00	146.50	5.50	38	88	321	166	4	3.58	3602
150.5	186.5	(AMPH-BIO-QTZ SCHIST) similar to above; narrow mm. to cm. segregated bands of amph and bio, banded and foliated at 25 to C.A.	146.50	151.20	4.70	14	145	408	180	4	3.51	3603
186.5	190.2	(PRGNATITE DIKE) medium to coarse grained, contaminated, hly biotitic contacts										
190.2	237.9	(AMPH-BIO-QTZ SCHIST) as above, minor garnetiferous sections 199.3 - 203.8 - 20X sil'd sections with 10X PO, Py; biotite segregated bands increase in frequency and width down section; up to 1-2 cm width near end of section	151.20	199.30	4.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			199.30	203.80	4.50	5	33	188	146	5	4.02	3604
237.9	273.0	(QTZ-BIO-AMPH SCHIST) brownish to greenish grey, fine grained, well foliated at 25 to C.A.; minor to moderate fine x-fractures; minor to moderate sil'n in narrow sections 247.0 - 5 mm. Py stringer 250.5 - 251.0 - FAULT ZONE, x-cuts foliation and cuts C.A. at 50-55; 40X angular fragments up to 2 cm. diameter, fragments cemented with quartz and carbonate; minor Py;	203.80	253.70	4.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			253.70	258.20	4.50	NIL	17	85	156	2	3.61	3605
			258.20	263.00	4.80	5	24	58	27	2	1.98	3606
			263.00	267.30	4.30	NIL	32	52	39	2	2.56	3607
			267.30	273.00	5.70	NIL	50	41	58	3	2.10	3608

HOLE No: CB108

*R. D. [Signature]*

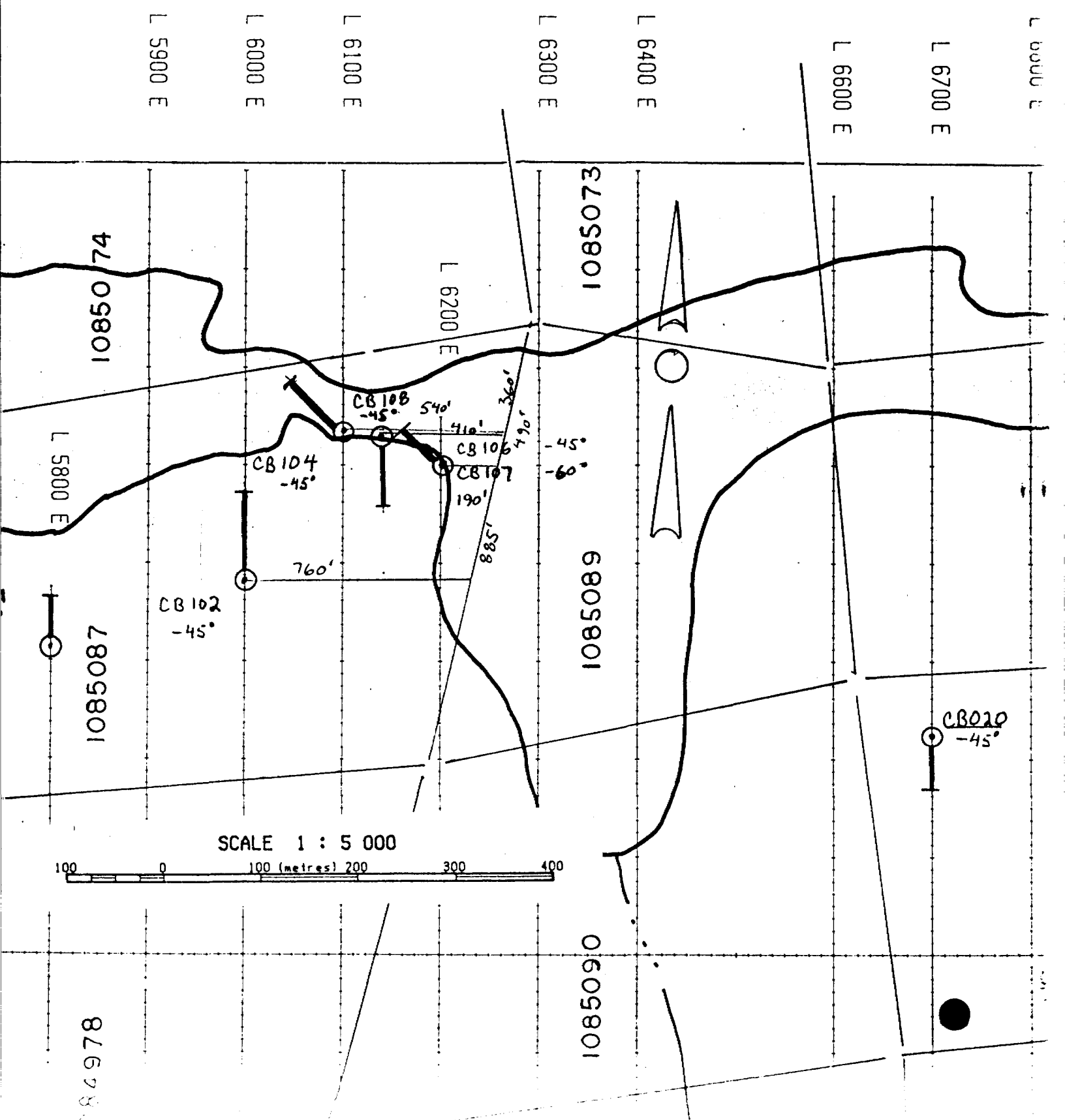
CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB108

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		vuggy late fault shearing and foliation increases below fault at 25-35 to C.A. minor increase in Py in stringers and fractures 250.0 - gradual increase in sil'n, leaching down section										
273.0	286.5	(ALT'D. SIL'D MINERALIZED ZONE)	273.00	276.90	3.90	50	125	413	1684	13	9.97	3609
		273.0 - 281.5 - leached, sil'd, 20-25% Po, 5-10% Py, traces	276.90	282.60	5.70	40	47	544	2760	15	11.40	3610
		Sphal, Anpy. Cpy in fine irregular distorted and contorted stringers	282.60	284.00	1.40	5	130	324	1612	9	6.60	3611
		281.5 - 284.0 - 40% wacky quartz, 10% Po, 10% Py	284.00	286.20	2.20	19	159	471	1275	4	9.00	3612
		284.0 - 285.2 - altered schist										
		285.2 - 286.5 - 20% Py, 15% Py										
286.5	316.0	(BIO-ANPH-QTZ SCHIST)	286.20	290.00	3.80	8	35	130	342	4	3.86	3613
		brownish grey to green, fine grained, well foliated at 30-35 to C.A.	290.00	316.00	26.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		300.0 - increase in anph and decrease in biotite down section										
		316.0 - R.O.H.										



*Paterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB109  
 Collar Eastings: 7600.00  
 Collar Northings: 975.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 315.00  
 Final Depth: 211.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 4-5, 1991  
 Down-hole Survey:

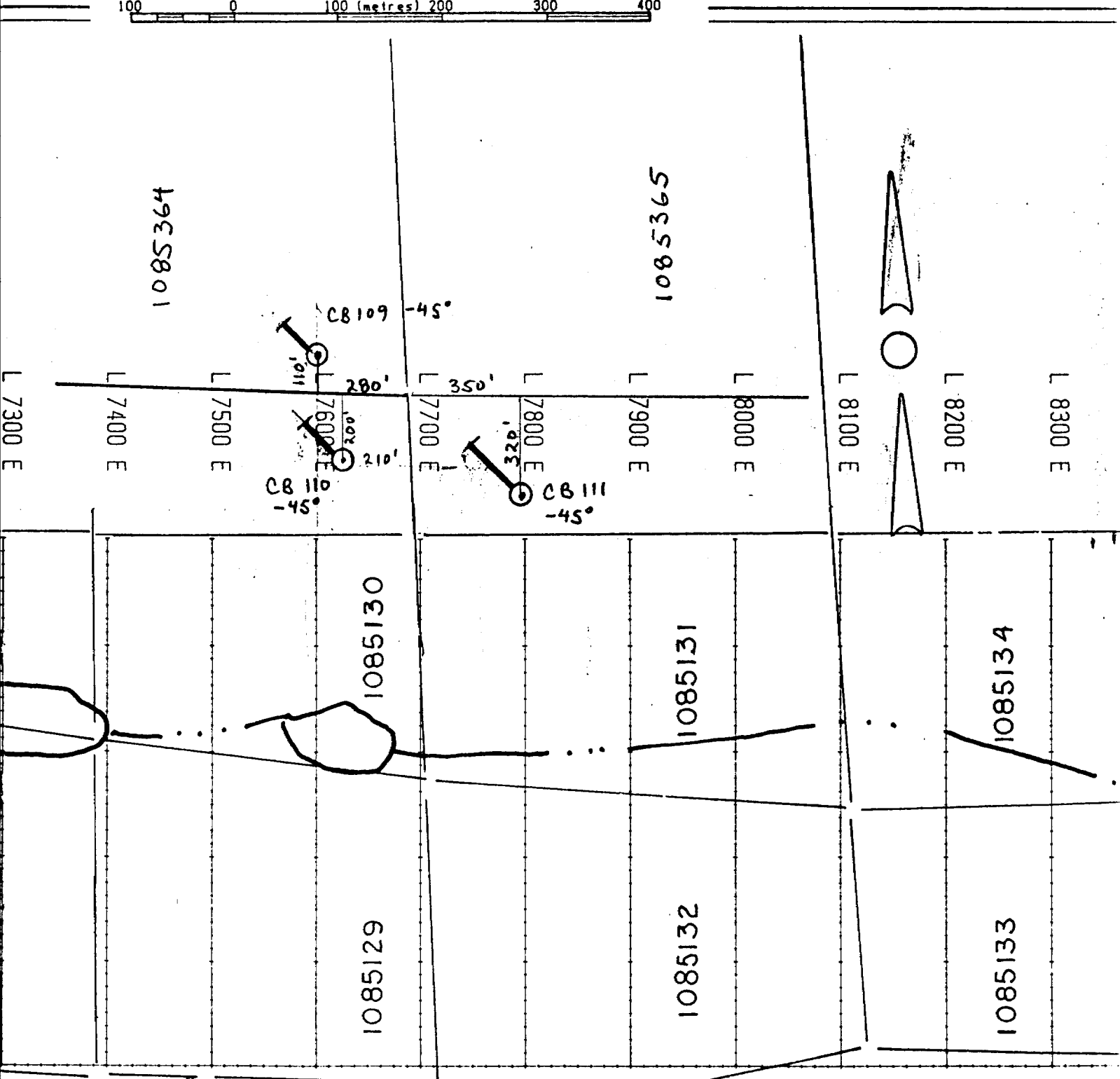
FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									Sample
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
0.0	3.0	(CASING)										
5.0	211.0	(LIT-PAR-LIT GNEISS)										
		Felsic-Paragneiss?	0.00	30.00	30.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Grey/black/white banded gneissic texture.	30.00	33.00	3.00	6	34	27	87	49	3.70	3614
		Qtz 74%, Bte 20%, Garnet 2%, Hbl 2%, Py 2%	33.00	34.00	1.00	7	694	29	88	9	3.22	3615
		Fg qtz/Qtz+bte banded, mn. to cm. size. Minor f-ng pink	34.00	53.10	19.10	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		garnets, 2% traces muscovite-minor sections near top of unit	53.10	54.10	1.00	7	22	31	148	9	3.08	3615
		Minor Hbl-fg xls. in sections-36.0'	54.10	98.30	44.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Sections weakly banded/gneissic texture-speckled schist.	98.30	100.40	2.30	NIL	83	33	76	23	1.47	3617
		Abundant Fg white granite dikes.-40%. Bte 10%	100.00	211.00	110.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Foliation variable, generally banded at 85 to CA.										
		Minor py, mn. stringers, x-fracture coatings.										
		33.3 Aspy 5%, ng, disseminated in bte-Qtz-py ca. band.										
		88.1-89.0 Pale green-Qtz section, brown mineral-sericite										
		99.4-100.5 Pale green/brown banded Qtz/bte/sericite schist.										
		157.0-211.0 Reduced gneissic fabric, weakly banded.										

211.0 B.O.N.

HOLE No: CB109

*Howe*

SCALE 1 : 5 000



5588

*Patterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB110  
 Collar Eastings: 7625.00  
 Collar Northings: 875.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 315.00  
 Final Depth: 246.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 6-8, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS										
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample	
0.0	21.0	(CASING)	0.00	21.00	21.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
21.0	44.0	(PELSIC-BANDED + GRANITE DIKES) 20% Pink narrow granitic dikes, to 3', muscovite. Beige+ Orange vfg. m. banded, minor py banding, to .3cm. Qtz 70%, K-feldspar 10%, musc 10%, bte 10% schist, py bands. Minor qtz flooded, barren green tinted section, fractured. Fractures 30%, abundant green stain. Broken core, 2-2.1' sections.	21.00	26.00	5.00	8	NIL	37	66	4	2.93	3693	
			26.00	42.00	16.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	3694
			42.00	44.00	2.00	NIL	2	13	60	8	2.16	3694	
44.0	78.3	(PELSIC-BANDED+ QTZ-PO MINERALIZED SECTIONS) Qtz-k-feldspar-bte-musc. banded tuff., 6-.1' to .4' sections Qtz + po+ bte finely banded schist. Orange-grey-white banded, with narrow, sharp qtz-po-bte banded sections, grey/black. Foliated at 65 to CA. 66.0-72.0 Peculiar green/pale brown banded, milky qtz. 77.5-78.3 Granite dike, lg, sharp cts.	44.00	46.00	2.00	NIL	14	38	289	16	3.20	3695	
			46.00	51.00	5.00	NIL	8	12	115	11	1.37	3696	
			51.00	53.70	2.70	NIL	7	24	170	3	3.06	3697	
			53.70	56.00	2.30	NIL	6	30	102	NIL	2.40	3698	
			56.00	61.00	5.00	NIL	4	30	332	6	2.53	3699	
61.00	78.30	17.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.			
78.3	80.2	(PO-QTZ-MTE SCHIST) Sharp contacts. 70% po, 20% qtz, mte 10%. Finely banded, w/ braided texture. Bte schist, 20%, near top.	78.30	80.20	1.90	12	107	142	171	17	19.12	3700	
80.2	126.0	(QTZ-BTE BANDED SCHIST) Grey/black banded, qtz, bte 15%, minor muscovite, 5-10%. Minor orange bands. Traces py, py - qtz irregular .1' qtz band. Minor po, py bands, bte bands near top of section. 20% Granitic of pink, white, green tint dikes. (.1' to .3.1' Traces py along foliation planes. Massive grey/black fabric towards base of section.	80.20	89.00	8.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			89.00	91.00	2.00	8	20	30	150	2	3.55	3701	
			91.00	98.00	7.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			98.00	102.50	4.50	7	208	45	206	4	3.30	3702	
102.50	126.00	23.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.			
126.0	145.1	(QTZ-PO SCHIST + QTZ-BTE BANDED SCHIST) Grey, banded, qtz + bte schist, Po + Py 10-20% bands. Minor .1' to 1.1' Granite dikes, pink, f to mg, 4. Py bands concentrated in sections. Qtz 70%, bte 15%, po + py 15%. Graphite? Minor mn. orange bands.	126.00	129.70	3.70	5	21	17	106	6	3.91	3703	
			129.70	134.50	4.80	6	19	27	1212	3	5.16	3704	
			134.50	137.90	3.40	5	7	31	410	NIL	4.43	3705	
			137.90	142.20	4.30	6	41	42	411	5	6.90	3706	
142.20	145.10	2.90	7	20	37	520	7	6.99	3707				
145.1	147.5	(PO-QTZ SULFIDE BRUCCEIA) Po 60%, Qtz 40%, angular to subrounded, f-pebble size	145.10	147.50	2.40	17	106	167	372	33	22.78	3708	

HOLE No: CB110

*W. O. Patterson*



CHAMPION BEAR RESOURCES LTD.

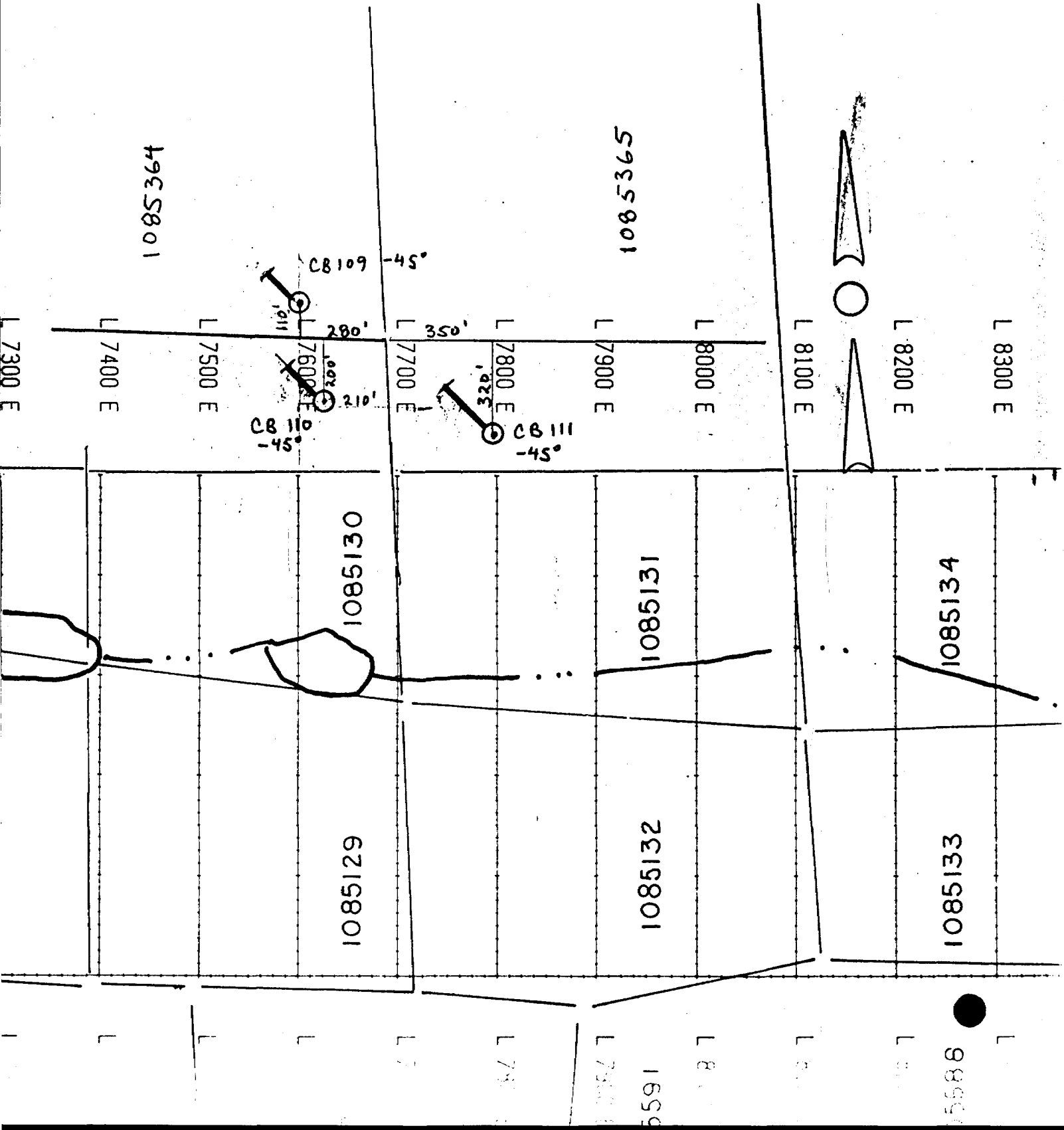
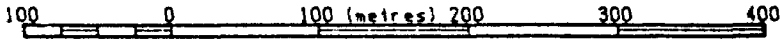
DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB110

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(%)	Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
		clasts. Qtz clasts, po matrix. Non foliated, minor py along fracture, py near base of section. Sharp contacts.										
147.5	150.6	(PRELSTIC BANDED) Grey qtz - bte schist, finely banded, minor orange banding. .3' Granite dike-pink. 147.5-148.3 30% po bands.	147.50	150.60	3.10	7	15	23	189	11	4.79	3705
150.6	154.3	(PO-QTZ SCHIST) Sections top, btm banded, braided po 70%, qtz-bte, minor py bands. Centre qtz - mte 20% fg schist, po bands. 150.6-151.7 Po 80%, minor py, braided, massive-cn. bands. 151.7-153.2 Mte 20%, qtz schist, 5% po bands. 153.2-154.3 Reduced po bands to 40%, py 5%. Sharp lower ct.	150.60	154.30	3.70	25	98	98	348	12	15.90	3710
154.3	189.0	(PRELSTIC BANDED) Grey, white, orange, black banded, sections well, wky banded. Qtz-bte-musc-k-feldspar schist. Well foliated at 70-80 to CA 1-2% py banding, Zn along fol'a?, mte? Minor Granite dikes, fg, Gk, Cg bte in .2' section.	154.30 167.30	167.30 170.00	12.90 2.90	N.S. 10	N.S. 7	N.S. 14	N.S. 93	N.S. 11	N.S. 1.85	N.S. 3711
189.0	246.0	(PRELSTIC BANDED + GRANITE DIKES) Grey banded, gradational to reddish banded. 40% narrow, milky white + pink Granite dikes, NYS. Qtz - bte 5%, musc 5%, minor garnet schist. 230.0-246.0 Reddish tint-K-feldspar? in pink bands. Minor fg garnet.	170.00	246.00	76.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		246.0 E.O.H.										

SCALE 1 : 5 000



Paterson

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB111  
 Collar Eastings: 7800.00  
 Collar Northings: 840.00  
 Collar Elevation: 0.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 315.00  
 Final Depth: 336.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 8-12, 1991  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									Sample
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
0.0	7.0	(CASING)										
7.0	7.6	(GRANITIC) Pink,fg,boulder?										
7.6	8.0	(GRANITIC) Plag? Green,rusty fractures,porphyritic,boulder?										
8.0	58.5	(FELSIC BANDED + MINERALIZED SECTIONS) Inhomogenous unit. Sections: Pale brown/white speckled, Porphyroblastic,Qtz - bte - plag phenocrysts. Sections: Orange banded,K-feldspar. vfg. Sections uniform beige colour, non banded. Narrow sections Py 60%,green mineral-bte?,qts 30% Massive Sulfide. Sharp contacts between sections. 8.0-19.2 Pale brown,uniform, wk banded at 70 to CA., gradational to speckled white tuff. 14.1-14.3 Qtz,py banding 40%. 19.2-20.0 40% py banding. 20.4-23.4 Speckled white/brown groundmass. 23.4-24.0 Py-MS. wk vuggy,Py 70% + green mineral,clayey. 24.0-39.7 Brown uniform + white speckled section,minor py banding,cross fracture + py. 39.7-40.9 Py banding 10-15%. 40.9-42.0 Py massive sulfide py 70%,qts,black mineral, round py cr. patches. 42.0-58.5 Grey-orange-white banded,bte bands 5%,musc 2%, MS. Qtz 80%, K-feldspar 13%,orange bands,plag.- white bands. Pg schist.	0.00	13.00	13.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			13.00	19.00	5.20	7	6	15	136	2	2.91	3712
			19.00	24.00	5.00	7	9	39	132	NIL	6.38	3713
			24.00	26.00	2.00	6	5	27	170	NIL	3.21	3714
			26.00	28.00	1.40	5	4	20	173	NIL	3.82	3715
			28.00	31.40	3.40	6	4	41	257	NIL	2.71	3716
			31.40	36.20	4.00	7	190	19	136	4	2.66	3717
			36.20	43.00	6.70	8	21	24	150	3	3.45	3718
			40.90	43.00	2.10	25	66	136	129	7	13.68	3719
58.5	70.0	(PORPHYRITIC FELSIC TUFF) Qtz-plag-bte-py.Weak foliated;Plag porphyroblastic xls, Mg to cg,30%. Pale brown-grey banded:Bte,py,Cg plag porph. Plag xls greatest concentration at centre of section. Sharp contacts.	43.00	58.00	15.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			58.00	62.00	3.40	7	10	59	328	5	3.32	3720
			62.00	65.00	3.00	13	20	110	1453	7	3.91	3721
			65.00	68.00	3.00	9	3	110	873	4	3.80	3722
			68.00	70.00	2.00	10	6	71	632	2	3.07	3723
70.0	74.0	(QTZ-BTE-K-FELDSPAR-PY SCHIST) Grey-brown-orange patches,banded.	70.00	74.00	4.00	7	6	60	693	7	2.82	3724

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CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB111

Page 2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Py stringers + diss. fg 20%. Bte banding, increase from prev. section, 10-15%, muscovite, Minor green quartz patches, bands. Sharp contacts.										
74.0	96.0	(PORPHYRITIC FELSIC TUFF MINERALIZED)	74.00	79.00	5.00	6	7	21	138	5	1.96	3725
		Pale grey-brown, white porphyroblast xls, plag, bte + musc.	79.00	83.40	4.40	NIL	6	52	365	9	2.95	3726
		banding, Plag 30% over .3' to 5.' sections. Weak streaky white bands. Weak gneissic texture. Foliated 65 to CA.	83.40	88.20	4.80	9	13	36	179	8	2.66	3727
		Py banding in white porphyroblastic sections, to 25%, mn. bands, disseminated grains.	88.20	92.70	4.50	10	20	52	433	4	3.32	3728
		Sections pale brown grey uniform, qtz-bte 5% schist, no porph. Non banded. Traces py. 91.0-91.1 Broken core, x-fracture. 92.0-96.0 Porphyritic felsic tuff, py bands, streaks 15%, cross-fracture, py-graphite? at base of unit.	92.70	96.00	3.30	27	14	57	416	NIL	4.47	3729
96.0	97.0	(SHEAR)										
		Broken core, Py-graphite schist, py + black clayey weakly conductive mineral. Py disseminated py 40%. Weak brecciated texture, crumbly. Sharp contacts.										
97.0	100.2	(QTZ-BTE-X-FELDSPAR-PY SCHIST)	96.00	100.00	4.00	13	17	27	600	5	5.68	3730
		Grey, orange, black; X-feldspar, bte banding. Weak braided texture, Py 20%, disseminated fg + mn. bands. 98.5-100.0 Granite pegmatite, weak mylonitic texture, braided with bte-py bands. Sharp contacts.										
100.2	101.8	(PY-QTZ-BTE SCHIST)										
		Py blebs, streaks, bands, 60%, Sulfide breccia? Qtz, f to cg, weak elastic-mylonitic-brecciated texture. Qtz 30%, bte 10%, qtz banding. Sharp contacts.										
101.8	184.0	(QTZ-X-FELDSPAR-MUSC-BTE SCHIST-PO, PY SECTIONS)	100.00	102.00	2.80	144	20	120	959	43	15.79	3731
		10% Po, py mineralized sections.	102.00	106.00	4.00	16	8	31	189	5	3.87	3732
		Grey, orange banded, minor white bands, vfg schist, mn. bands, foliated at 60-65 to CA.	106.00	111.00	5.00	NIL	6	25	128	2	2.69	3733
		Qtz 30%, X-feldspar 10%, Musc, bte 10%.	111.00	116.00	4.80	NIL	6	14	106	7	1.38	3734
		Sections py banding 30%. Narrow sections .1' to >1'. Minor 1.' section py 60%, braided, sulfide breccia texture.	116.00	121.40	4.60	NIL	13	20	188	5	2.14	3735
		Sections uniform grey colour, non banded.	121.40	126.00	4.60	NIL	10	34	262	NIL	4.45	3736
		Abundant Granite dikes: 25% ag, pink, non foliated, plus vfg, narrow, weak mylonitic textured dikes.	126.00	130.00	4.90	NIL	10	33	312	20	5.20	3737
		Sulfide often concentrated nearest gran. dikes.	130.00	135.00	4.90	NIL	2	17	60	2	1.23	3738
			135.00	140.20	4.40	NIL	2	17	92	4	1.56	3739
			140.20	144.70	4.50	NIL	3	26	238	6	2.27	3740
			144.70	149.00	4.90	NIL	2	29	326	3	2.41	3741

HOLE No: CB111

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB111

Page 3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Traces py thru unit.	149.60	154.30	4.70	NIL	0	32	326	3	3.41	3742
		102.6-110.6 .5' py bands.	154.30	158.20	3.90	NIL	3	29	167	3	2.33	3743
		116.6-130.9 orange bands, 1', .5' Sulfide breccia near gran.	158.20	162.00	3.80	NIL	20	19	74	7	1.50	3795
		136.9-135.8 Grey banded, .5' SB granite ct.	162.00	166.00	4.00	NIL	6	35	118	4	2.42	3796
		135.8-158.0 orange banded, py, po bands <10%.	166.00	170.00	4.00	20	5	19	112	13	1.77	3797
		158.0-160.0 Weak white-speckled brown schist.	170.00	174.00	4.00	NIL	3	58	419	NIL	4.82	3798
		168.0-175.4 Orange, grey banded, po banded >20% over .5'	174.00	177.60	3.60	NIL	0	61	301	NIL	4.11	3799
		175.4-177.4 Qtz, po 30%, py, banded, braided schist.	177.60	179.00	1.40	NIL	14	33	474	6	2.28	3800
		177.5 - Trace Zns, cpy in an. x-fracture.	179.00	184.00	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
184.0	254.0	(QTZ-BTE-MUSC-K-FELDSPAR SCHIST)	184.00	186.00	2.00	NIL	40	31	191	2	2.45	3801
		Grey, weakly banded schist. Minor po section, 15% over 1'.	186.00	194.00	10.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Abundant Granite dikes, milky, f-ng pink, white granites, bte.	194.00	198.00	4.00	NIL	25	21	281	5	1.42	3802
		30% dikes, to 1'. Bte, musc to 20%.	198.00	211.00	3.00	NIL	17	57	296	4	3.08	3803
		Minor orange bands.	211.00	216.00	5.00	NIL	6	20	106	5	1.33	3804
		Py in bte clots in gran. dikes.	216.00	226.50	10.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			226.50	231.50	5.00	7	9	63	229	5	3.37	3805
			231.50	245.00	13.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			245.00	247.00	2.00	NIL	4	14	100	5	1.64	3806
			247.00	254.00	7.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
254.0	271.0	(GRANITE DIKES 80%, QTZ-PO-BTE SCHIST 20%)	254.00	257.00	3.00	NIL	3	0	47	2	1.25	3807
		Po 40% in qtz-bte sections, 1.5' Po in gran. dike in bte	257.00	260.00	3.00	NIL	30	179	150	4	12.83	3808
		clots; 10%.	260.00	265.00	5.00	NIL	16	40	102	6	3.50	3809
		Granite cg, pink, top,	265.00	270.00	5.00	NIL	4	33	61	5	1.67	3810
		257.2-259.7 Qtz-po 40% schist.										
		259.7-271.0 Peg. gran+ fg gran.+ cg, bte, py.										
271.0	317.5	(QTZ-BTE SCHIST, QTZ-PO-BTE SCHIST SECTIONS)	270.00	273.00	3.00	NIL	0	14	276	6	2.18	3811
		Po + py banding 10-25%, an bands. Narrow sections to 60%	273.00	278.00	5.00	NIL	25	50	95	12	4.59	3812
		over .7'.	278.00	282.00	4.00	NIL	14	21	103	7	1.80	3813
		Grey qtz+ bte 5% schist, foliated at 55 to CA., narrow	282.00	286.00	4.00	NIL	18	41	473	8	2.92	3814
		sections, 15%, to 1.0', po+py bands. Minor orange bands,	286.00	290.00	4.00	NIL	10	76	471	8	5.01	3815
		Granitic .4' dikes, bte+po.	290.00	294.50	4.50	NIL	4	23	140	7	1.65	3816
		Felsic schist variable, base of section biege-black-white	294.50	299.00	4.50	NIL	13	40	230	8	2.87	3817
		streaked; Qtz-musc-bte-plag schist.	299.00	303.00	4.00	NIL	9	30	187	4	2.55	3818
		Granitic contamination.	303.00	306.00	3.00	NIL	7	17	113	5	1.72	3819
		386.2-291.0 Contorted foliation, parallel to CA., Sulfides	306.00	310.10	4.10	NIL	22	44	319	3	4.85	3820
		as blebs, not an. bands.	310.10	313.00	2.90	NIL	5	32	348	2	2.36	3821
			313.00	318.00	3.00	NIL	4	31	368	5	2.34	3822
317.5	336.0	(80% GRANITE DIKES + 20% QTZ-BTE SCHIST)	316.00	320.40	4.40	NIL	10	24	329	5	2.69	3823
		Granite-red orange dikes, K-feldspar, bte, muscovite 5-10%.	320.40	323.00	2.60	NIL	9	9	191	10	1.83	3824
		Poorly defined felsic/granite dike contacts.-Assimilation.	323.00	336.00	13.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

HOLE No: CB111

CHAMPION BEAR RESOURCES LTD,

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB111

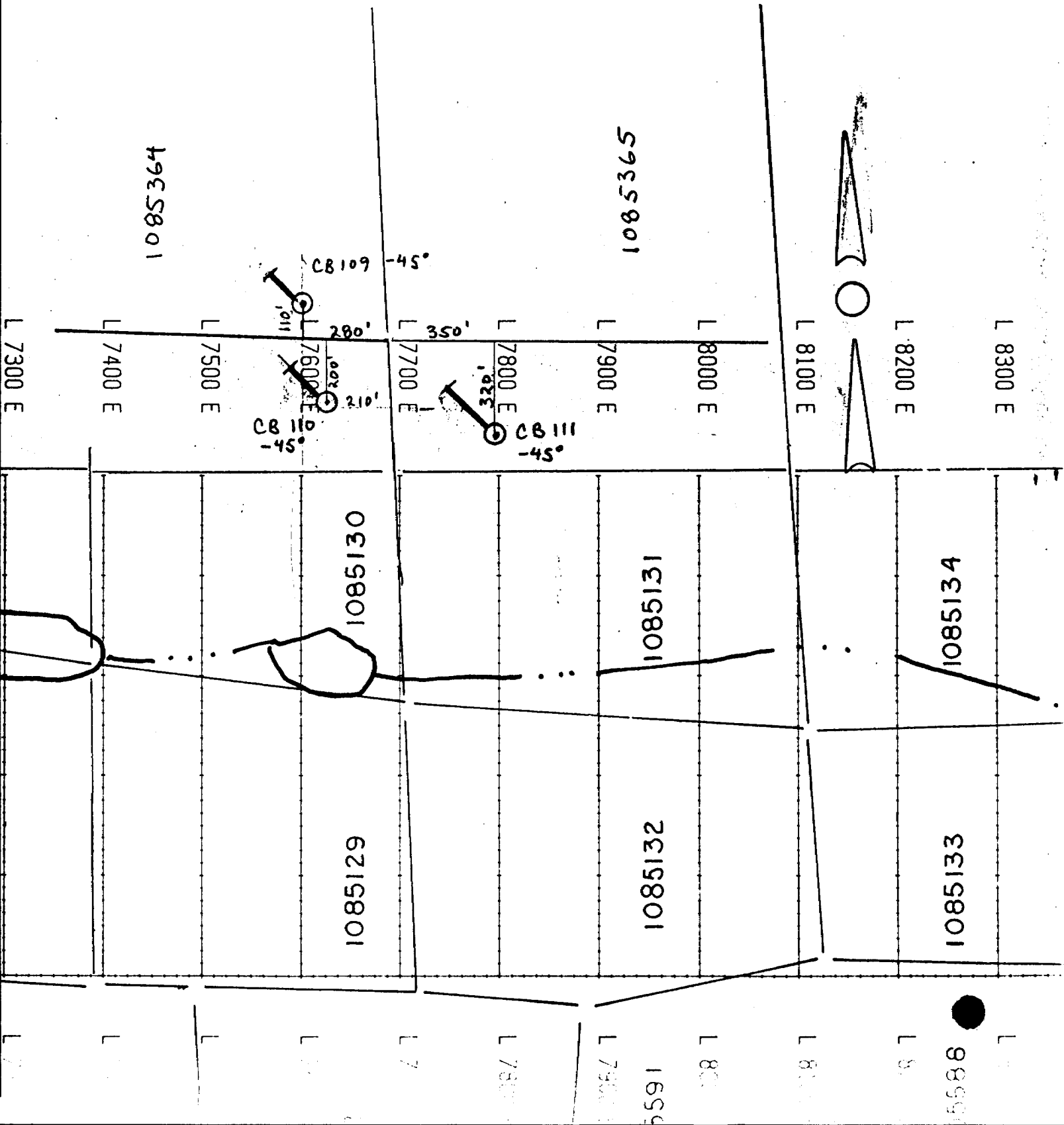
Page 4

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	
		Minor py, traces po in bte clots in granite dikes, in qtz- bte schist narrow sections. Granite dikes range to >2.0' Weak gneissic texture near base of hole.									
		336.0 E.O.H.									

HOLE No: CB111

SCALE 1 : 5 000

100 0 100 (metres) 200 300 400



*Patterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB112  
 Collar Eastings: 975.00  
 Collar Northings: -60.00  
 Collar Elevation: 15.90  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 706.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 13-17/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Fe(%)	Sample
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)		
0.0	16.0	(CASING)									
16.0	119.0	(GRANITE) Pink,fg,weakly foliated at 50 to CA. Bte 10% Minor eg to pegmatitic narrow section.Sharp botton contact.NVS.									
119.0	137.6	(AMPHIBOLITE) Green black, hbl-epidote-qtz schist,fg.Well foliated at 50 to CA. Lower ct. crumbly chloritic schist,.1'. NVS.									
137.6	157.9	(GRANITE DIKE) Pink,fg,bte 10%,weak foliated at 50 to CA.Minor eg to pegmatite section,top,base,traces eg etc.,henatite stained. near base.									
157.9	177.4	(AMPHIBOLITE) Green black,fg,speckled black,white .hbl-qtz-ep schist. Weak qtz banded. Contamination by Granite bordering units. White fine r-fractures,lamination-coatings.Minor narrow, .1' to .5' Granite dikes,2.Pink,green white coloured. Minor py-25% section, near granite dike lower margin. Change in foliation to 20 to 30 to CA near base of unit. 161.0-163.0 Py 25%/8',silic. schist-assimilated xenolith in narrow granite dike.	0.00 161.00	161.00 163.00	161.00 2.00	N.S. 5	N.S. 65	N.S. 697	N.S. 110	N.S. 6	N.S. 1839
177.4	187.8	(GRANITE PEGMATITE) Pink,fg,bte,sharp contacts.NVS.									
187.8	209.5	(AMPHIBOLITE) Green-black,white speckled,fg hbl-plag-epidote-qtz schist. Uniform texture,comp'n. Weak foliated at 50 to CA. Trace py in in epidote rich,qtz .6' section.									
209.5	246.0	(GRANITE DIKE) Pink,fg,similar to previous.Minor eg to pegmatite sections. Top ct. at 30 to CA.Unit foliated at 50 to CA.Minor fractures,green coating.Minor broken core.NVS. 242.0-243.0 Assimilated xenolith,vfg chlorite rich band,NVS									

*W.P. [Signature]*



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HOLE No.: CB112

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS							Sample		
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)		Pb(ppm)	Fe(%)
286.0	284.5	(AMPHIBOLITE) Grey-green-black speckled. Hbl-epidote-plag schist, uniform composition, texture. Well foliated at 55 to CA. NVS. 283.0-284.5 fractured, broken core.										
284.5	287.5	(GRANITE) Pink, cg, bte, NVS. 286.0-287.5 Sheared. Mylonitic textured-brecciated granite. K-feldspar + hbl. grains cemented by vfg. green clay-like mineral.										
287.5	372.0	(AMPHIBOLITE) Weakly quartz banded. Similar to previous section. Weak speckled black, white. Green, black, white speckled; 300-336. Foliated, banded at 50 to CA. 295.0-295.5 Vfg green-clay talcose, soft mineral, chloritic? Red staining, NVS. 319.4-321.0 Granite pegmatite, pink, cg, bte. 323.0-323.4 Qtz-granite band. 330.2-330.6 Barren, white qtz band. 336.0-372.0 Qtz banding, nu. to .5cm., >30%, weak zebr texture, near bte., traces py.	183.00 369.00	369.00 372.00	306.00 3.00	N.S. 11	N.S. 213	N.S. 137	N.S. 26	N.S. 18	N.S. 2.26	N.S. 3853
372.0	408.0	(AMPHIBOLITE + STRONGLY SIL'D, MIN'D SECTIONS, PO, ASPY) Inhomogenous unit. Sections: Grey banded, sulfide po bands. Po 50%, qtz 40%, bte 10%, schist, hbl. Po, aspy patches, pebble size bands. Sections: Black, wkly to unmineralized, qtz 40%, hbl 40%, ep 20% schist, massive po, aspy pebbles. Total sulfides 35%: 25% po, minor py. Aspy 10%, minor cpy, <2%. Po, aspy as nu. stringers, blebs, massive coarsely crystalline to .8' section-po vuggy section. Sharp upper contact, gradational lower ct. with granite unit 372.0-375.0 Po 40%, qtz 35%, bte 5%, vfg braided schist, nu. po bands, qtz lensoid grains, clastic texture? Centre of silicification, po content reduced to base of section. Traces aspy, ag xls near base, in po bands. 375.0-386.0 app. Qtz-po, py, bte 10-15% schist, po + py 40%. 384.5-384.6 Aspy 20%, po band, qtz-bte-hbl schist. 386.0-394.0 Hbl-qtz-bte schist, minor bte in sections, Po + py 25%. 390.0-391.5 Vuggy, py traces cpy, massive-py-1-3' bands. 394.0-400.0 Qtz-epidote-hbl schist, contorted fol'n, minor	372.00 374.70 379.00 382.00 386.00 390.00 394.00 399.00 404.00	374.70 379.60 382.00 386.00 394.00 404.00	2.70 4.90 2.40 4.00 4.00 4.00 5.00 5.00 4.00	22 30 32 113 100 124 228 316 33	48 19 369 4790 2234 3894 1756 5595 5375	928 466 656 477 449 3755 1083 1089 848	71 123 202 163 111 88 80 75 123	16 14 33 12 17 9 9 16 5	11.47 7.14 7.58 6.87 5.58 6.30 5.00 6.00 8.13	3854 3855 3856 3857 3858 3859 3860 3861 3862

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB112

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample		
						Au(ppb)	As(ppm)	Co(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)	
		sections, Qtz-assy 10-20%, po, wkly developed narrow banding, <5%. Po + py blebs, bands, diss, 15-20%.											
		400.0-404.0 Qtz-ep-hbl schist, similar to above, greatest concentration of aspy; disseminated, bands, ca. Minor massive aspy sections to .8'; Aspy 25% over section. Po 10-40%, py <5%, cpy trace.											
		404.0-406.0 Gradational from above. Hbl-qtz-ep schist, Po 30%, Aspy <5%, py 3%, cpy 2%.											
		406.0-408.0 Contact margin-granite dike, granitic mixed with bte 30%, hbl 20%, po 25%, aspy 3%.											
408.0	415.7	(GRANITE DIKE) Pegmatite, pink-top, to fg-bottom. Bte 5-10%. Weakly foliated at 40 to CA.	408.00	410.00	2.00	7	200	48	22	24	0.93	3863	
415.7	432.9	(AMPHIBOLITE + GRANITE DIKES) 60% Amphibolite + 40% f-peg. Granite, pink, foliated. NVS. Foliated at 30 to CA. Amphibolite Grey black white banded weakly silicified, hbl-qtz-ep-bte schist. Qts banding, bte banded, 20%. Section highly silicified py-Kfs-Ss, diss aspy in mafic schist. Bte variable to 50%, esp. near gran. dikes. 421.0-422.8 .2' py 60% qtz schist, aspy >10%-.7' in FW., Aspy is qtz-bte 50% schist. 431.3-432.9 Po 40% qtz-bte-assy 3% schist. Weak mylonitic texture.	418.00	418.00	0.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			418.00	421.00	3.00	100	148	108	146	2	4.79	3887	
			421.00	423.00	2.00	186	1729	206	158	2	6.32	3888	
			423.00	427.70	4.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			427.70	432.90	5.20	511	93	339	133	1	5.78	3889	
432.9	547.2	(GRANITE PEGMATITE) Pink, cg to pegmatitic, bte, garnets. 467.3-473.4 Mafic raft. Hbl-ep-qtz banded schist. Partially assimilated margins. Minor garnets. Minor po+ py stringers to Jm., <5%. 539.2-542.6 Mafic raft, py + po bands 5-10%. 542.6-547.6 Pegmatitic top margin, mylonitic-braided pink, white granodiorite, bte. Sharp lower ct., NVS.	432.90	467.36	34.46	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			467.30	473.40	6.10	18	17	131	86	WIL	6.49	3890	
547.2	680.8	(AMPHIBOLITE-WEAK SILICIFIED SECTIONS) Weakly silicified, weak mineralized narrow sections. Grey black, fg hbl-qtz schist, sections hbl-qtz-bte, epidote in sections. Qts banding, conformable, irregular, 10-15%, irregular dist'n of fine white banded sections. Biotite-traces-top of unit, increases to 15% by base of unit.	547.40	548.00	76.60	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
			548.00	552.00	4.00	393	2949	343	68	17	8.28	3900	
			552.00	557.10	4.50	100	1752	813	85	8	4.28	3901	
			557.10	562.00	4.90	26	877	309	97	5	3.12	3902	
			562.00	566.70	4.70	146	3237	365	52	16	4.21	3903	
			566.70	571.70	5.00	74	2380	244	51	17	3.11	3904	

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
		Weakly to well foliated at 50 to CA.	571.70	576.50	4.80	52	1694	197	53	17	2.89	3905
		Minor narrow, cm to 1.' sections qtz-po-bte schist, qtz-assy bands, mn to ca. Minor py banding in 1.' to 3.' sections, py to 25%.	576.50	581.50	5.00	57	2707	234	73	10	2.96	3906
		Total sulfides po 10%, py 5%, aspy 1-2% over unit.	581.50	586.10	4.60	41	2773	140	55	8	1.83	3907
		Minor narrow, 2-3' Granite dikes, pink, bte.	586.10	591.00	4.90	32	1483	175	127	11	2.31	3908
		551.6-552.6 Po 60%, qtz-bte-ep schist.	591.00	595.70	4.70	28	1573	142	33	11	2.02	3909
		554.0-554.8 Po 40% qtz schist.	595.70	600.30	4.80	25	205	261	34	5	3.85	3910
		555.5-567.6 Po 10%, aspy 5%, strongly silicified section.	600.30	605.10	4.80	15	824	152	32	16	2.26	3911
		558.0-593.0 Irregular qtz banding, to parallel to CA., traces py, po, aspy. Bte banding, weak zebra texture near base, variable foliation. Fractures, x-fractures, healed by qtz, slickensides texture.	605.10	609.60	4.50	26	1250	174	158	4	1.89	3912
		596.5-597.3 Po 60% qtz sulfide breccia.	609.60	614.30	4.70	21	340	154	51	5	2.46	3913
		597.3-603.6 amphibolite unaltered, trace po, py.	614.30	619.20	4.90	21	532	208	41	5	3.39	3914
		603.6-604.0 qtz-po 40% Sb	619.20	623.70	4.50	12	148	148	63	7	3.28	3915
		604.0-615.0 qtz-white x-banded, traces py.	623.70	628.40	4.70	39	890	229	69	6	3.79	3916
		615.0-657.0 Moderately silicified, qtz banding 30%, py bands 15%, minor disc. aspy. Bte banding. Fairly uniform comp., texture.	628.40	633.20	4.80	46	3679	242	84	3	4.08	3917
		648.0-657.0 Aspy banding, mn., increased to 2-3%.	633.20	638.00	4.80	18	509	238	76	6	3.79	3918
		657.0-658.0 Qtz-bte-assy schist, bte 70%, qtz 25%, aspy + po 5%. Aspy + po in 2-5cm. bands.	638.00	642.80	4.80	24	954	243	85	11	2.96	3919
		658.0-661.0 qtz 50%, hbl-bte, qtz 50% bte-hbl banded schist, bte bands. Moderately to strongly silicified mafic schist. Pale grey, brown banded. Trace po, aspy.	642.80	647.60	4.80	47	3288	212	56	4	3.52	3920
		661.0-674.0 Uniform, weak silicified, bte, traces po, py, aspy.	647.60	652.40	4.80	58	2597	170	35	6	2.39	3921
		674.0-675.8 Qtz 70% bte-ep-py, po, aspy schist. py, po 25%, minor aspy. Banded, braided schist, gradational contacts, lower ct. at 10-20 to CA.	652.40	657.00	4.60	22	1801	205	52	8	2.80	3922
		675.8-680.8 po, py bands, disseminated, 20%.	657.00	661.70	4.70	38	2803	267	90	5	3.46	3923
		680.8-681.2 Qtz-bte granite dike.	661.70	666.40	4.70	13	1188	174	44	6	2.69	3924
		Aspy traces in qtz-hbl-bte schist, below qtz schist. Weakly mylonitic-braided texture, fol'd at 30-40 to CA.	666.40	671.40	5.00	10	749	149	68	15	2.94	3925
		680.8-681.2 Qtz-bte granite dike.	671.40	676.00	4.40	197	682	191	108	72	3.80	3926
		680.8-681.2 Qtz-bte granite dike.	676.00	680.50	4.70	62	943	268	243	34	4.75	3927
680.8	699.0	(AMPHIBOLITE)	680.50	685.40	4.90	24	670	142	85	10	2.89	3928
		Weakly to un silicified, hbl-qtz-bte schist, bte to 10%, epidote. Similar to previous sections, less qtz, qtz bands.	685.40	689.80	3.80	12	749	58	183	9	5.97	3929
		Traces po, py.	689.80	693.90	4.90	15	466	145	56	9	2.80	3930
		687.4-688.7 Broken core, py, talcose coating, green-white, red, hematite stained. Foliated near to CA., section.	693.90	698.70	4.80	15	704	84	76	8	3.93	3931

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
999.0	106.0	(AMPHIBOLITE + GRANITE DIKES)	698.70	704.80	6.10	NIL	40	32	74	9	2.40	3932
		Amphibolite sections > Granite sections. Granites .3' to	704.80	706.00	1.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		>2'. Amphibolite similar to above.										
		Minor py bands in mafic schist.										
		706.0 B.O.B.										

1023505

1023504

1023503

00E 7

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007 7

008 7

006 7

000 7

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002 7

00E 7

007 7

005 7



SCALE 1 : 5 000

E 009

1023508

1023506

1023507

Lake

CB008 -45°

CB006 -45°

CB007 -64°

CB005 -45°

CB003 -45°

CB002 -45°

CB001 -45° CB007

CB114 -45°

CB010 -45°

CB009 -45°

CB011 -45°

CB113 -45°

CB013 -45°

CB012 -45°

CB014 -45°

CB112 -45°

CB021 -45°

1023511

1023510

102

CB022 -45°

CB023 -45°

CB015 -45°

CB024 -45°

Island

1023512

1023513

1023514



CHAMPION BEAR RESOURCES LTD.

*Paterson*

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB113  
 Collar Eastings: 800.00  
 Collar Northings: -90.00  
 Collar Elevation: 18.00  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 706.00 feet

Logged by: I.E.S. Ltd. - P. Barc  
 Date: Feb. 17-20/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(X)
0.0	17.0	(CASING)										
17.0	179.0	(GRANITE) Pink,fg,MVS. Bottom .1' ct. margin,bte-qtz-hbl schist,py. Contact at 25 to CA.	0.00	179.00	179.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
179.0	193.8	(AMPHIB+STRONG SIL'D SECTION,MINERALIZED) Green-grey,black sections.Hbl-ep schist. Sections qtz-bte-sulfide,epidote banded,pale green white section,intermediate tuff? py rich sections,py to 50% over 1.3' banded,braided text. po rich sections,po to 50% over 1.5' braided,massive text. Aspy as 2 cm band,.2' aspy-po clast. 179.0-184.5 bte. schist,.2' granite ct. margin. qtz-bte-hbl schist,ep bands,py bleb-stringers, ca. aspy band,bte.Py 25%,concentrated in 3 sections to 1.5'. 184.5-186.5 Pale banded schist,plag,epidote,Intermediate tuff,minor py,cg euhedra near base of sect. 186.5-193.8 Silicious,mineralized sections. 186.5-193.0 Qtz-ep schist,banded,hbl,pale green-grey massive,foliated sections,weak sebra texture top margin. Po,py bands,stringers,disseminated, 40-50%,concentrated in pale green ep-qtz sect. 186.5-187.0 Weak sebra textured. 187.0-189.0 Pop 50%,minor aspy mg blebs,weak brecciated texture. 189.0-191.2 Silicious,banded,disc Ig aspy 30%,py,cpy 5-10%. 191.2-191.7 .3' po-aspy clast,po 50%,aspy 35%,irregular massive aspy-po knot,coarsely crystalline. 191.7-193.8 Qtz-ep-minor bte well banded,po 20%,stringers, dissseminated,py bands,10%,aspy <5%.Weak st. Gradational ct. into mafic intrusive.	179.00	181.50	2.50	122	82	572	160	8	6.59	3948
			181.50	184.50	3.00	88	4347	789	77	21	7.95	3949
			184.50	186.00	1.50	85	754	408	152	12	8.27	3950
			186.00	189.00	3.00	107	390	698	41	5	10.70	3951
			189.00	192.00	3.00	159	26279	1573	64	9	8.17	3952
193.8	300.7	(MAGIC INTRUSIVE) Green-black,f-mg,hbl-ep-qtz-plag,pale green patchy sect. Foliated,weak banded,irregular banded,an qtz bands top 60'. 10-20%.MVS,sections tr. py. Sharp bte. ct. Mg uniform sections.10-15% sections approach sh sebra text. Gradual increase in g.s.,increased massive-uniform text.	192.00	194.00	2.00	37	1103	769	172	62	6.58	3953

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Fe(%)	Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		
		Minor granite dikes.<10% to 6.5'										
		199.5-206.0 GD.white,fg,strong foliated,tr. py,bte,qtz rich										
		253.5-254.1 GD.pink-white,mylonitic text. lower ct.margin.										
		285.0-296.0 Zebra textured,x-banding.										
300.7	356.0	(AMPHIBOLITE-BANDED)	194.00	318.40	124.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Pale grey,black margin,speckled.Generally Grey-green to	318.40	323.00	4.60	22	321	234	32	22	2.71	3954
		black,fg,minor mg sections.Hbl-ep-qtz-bte-plag schist.	323.00	326.00	3.00	17	171	126	21	6	1.93	3955
		Biotite banding,20% over narrow sections.Weakly banded,	326.00	331.00	5.00	9	219	144	27	10	1.37	3956
		speckled texture.Well foliated at 40-45 to CA.	331.00	336.00	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Weak zebra texture in sections,to .2' patches.	336.00	341.20	5.20	5	453	140	42	7	1.81	3957
		Minor pale banded-silicious sections,qtz + bte.	341.20	347.40	6.20	25	282	174	42	12	2.38	3958
		Inhomogenous unit,traces py,py bands in sections.	347.40	353.60	6.20	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		306.0-317.8 Zebra texture sections,white x-banded.	353.60	356.00	2.40	NIL	57	197	42	11	2.48	3959
		317.8-318.2 Granite dike,pink,fg.										
		318.2-322.0 Zebra texture,slight st.,center qtz-calcite										
		cn. fracture.NVS.										
		319.0-322.0 Soft, friable, hbl-green mineral schist, shear?										
		324.0-326.0 Pale banded,quartzite,weak schistose,qtz-bte										
		banded,qtz,hbl,bte schist.										
		327.0-331.0 Unmineralized,black hbl schist,zebra text.sect.										
		331.0 - Minor py banded section,.4',minor seb.tex.sect.										
		331.0-347.3 Minor pale banded sect.,zebra tex.,.3',py blebs.										
356.0	417.5	(AMPHIBOLITE WI-STRONG SIL'D,MIN'D SECTIONS)	356.00	360.40	4.40	11	1065	200	39	66	2.48	3960
		Silicified amphibolite,py bands.minor garnet banded sect.at	360.40	364.00	3.60	7	214	125	45	5	2.62	3961
		top of unit.	364.00	367.00	3.00	8	1195	158	182	17	4.30	3962
		Black,green,pale banded,zebra text. sections,silic-ep-bte-	367.00	371.00	4.00	16	5274	260	332	30	5.76	3963
		aspy-po breccia sect.	371.00	375.00	4.00	141	414	251	140	29	5.48	3964
		356.0-364.0 Mod. silicified,py.	375.00	377.50	2.50	16	2367	892	325	414	4.90	3965
		364.0-366.0 Mg-cg garnet 15%,patches in black qtz-bte-hbl	377.50	381.00	3.50	19	1511	491	248	183	7.50	3966
		schist,tr.py.	381.00	386.00	5.00	28	420	273	182	36	3.25	3967
		366.0-370.0 ampk.,mod.sil'd,py 20%,to 50% over .3',diss	386.00	389.40	3.40	166	3058	545	276	259	6.29	3968
		aspy,.1' bleb-band.	389.40	393.00	3.60	77	8355	1124	248	86	7.63	3969
		370.0-377.5 Banded,wt zebra texture,black,py bands 5-10%,	393.00	396.00	3.00	1011	5684	377	313	53	7.00	3970
		aspy trace.	396.00	400.00	4.00	143	10830	631	400	58	11.59	3971
		377.5-381.0 Gradation to ep-qtz-hbl schist.weak zebra	400.00	404.00	4.00	104	1882	434	241	40	6.55	3972
		banded,fine patches,minor po.	404.00	408.70	4.70	192	853	420	77	24	5.30	3977
		381.0-387.0 Zebra texture,py,po an to cn bands.	408.70	413.30	4.60	111	1453	255	66	37	3.69	3978
		387.0-389.4 Speckled schist,qtz-hbl,aspy blebs,po,10%.	413.30	417.50	4.20	176	1635	251	58	45	3.48	3979
		389.4-392.0 qtz 60%,ep-hbl schist,uniform,pale green,po										
		bands,patches 10%.										
		392.0-395.0 Speckled qtz-hbl schist,aspy blebs,diss,10%.										
		395.0-396.0 minor aspy.										

HOLE No: CB113

CHAMPION BEAR RESOURCES LTD.,

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.

HOLE No.: CB113

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		395.0-400.0 Silicious, mineralized. qtz 20%, bte 10%, minor ep, po 40%, aspy 30%. breccia texture, inhomogenous, pale green atx. aspy, po as blebs to 3cm., discontinuous strings. Po in x-bands. Sharp top ct. 400.0-401.5 Speckled fg qtz-hbl-bte-minor py schist. 401.5-408.7 Hbl-qtz banded, f-ng. Py 10%, 30% over 1.' sects., disseminated, bands, blebs. Weak zebra text. towards base. Minor fg diss. aspy. 408.7-417.5 Weak zebra banded, hbl rich, ep, qtz, diss aspy. py blebs to ca., 5-10%, weakly silicified.										
417.5	429.0	(SHEAR ZONE)	417.50	422.00	4.50	44	727	155	531	1349	4.37	3980
		Pea green, crumbly, BC, MVS, leached, white x-banded. Mafic + crumbly dark green sects. Py banding, clots in sects. Foliated at 35 to CA. Decrease sulfide, breccia zones to end. 417.5-419.6 Crumbly, dark green, pea green white x-band sect. 419.6-420.0 Mafic, green black, talcose. 420.0-421.0 pea green, white x-fractured, calcite, breccia- nylonitic text. 421.0-429.0 Mafic schist, weak silicified, py bands to 50% over 1.' to 2.' sections, x-banded, broken core, dark green crumbly sections, 3 sections, 1' to 1.5'.	422.00	427.20	5.20	59	548	592	409	938	7.32	3981
429.0	473.9	(AMPHIBOLITE-WK SIL'D SECTS., ZEBRA TEXT. SECTIONS)	427.20	431.00	4.40	22	359	181	171	375	2.83	3982
		Foliated, banded at 35 to 40 to CA. 437.0-473.9 Minor silicious, aspy + py bands, ca to 2cm, Inhomogenous unit, silicified anph. 30% qtz addition, zebra patchey sections. Minor py bands, 5% po 20% in lite patches in zebra rock sects. Minor plag grains. Disseminated aspy 1%. Minor bte bands. 461.0-473.9 Uniform unit; Weak silicified pale black mafic, qtz bands, patches. Minor py bands. Aspy 30%, py 20%, qtz veins-bands, 5 to 2cm. size. Aspy as f-coarse blebs. Minor diss. aspy in mafic-silicified unit.	431.00	436.20	4.80	22	334	322	83	16	3.33	3983
			436.20	441.00	4.80	10	151	177	38	28	2.11	3984
			441.00	445.00	4.00	35	2794	201	48	4	2.96	3985
			445.00	450.00	4.80	43	3390	243	44	NIL	2.72	3986
			450.00	455.38	4.70	25	1383	145	32	NIL	1.92	3987
			455.38	460.00	4.70	29	3334	154	46	16	2.27	3988
			460.00	465.10	5.10	34	2513	143	123	17	2.82	3989
			465.10	469.00	4.70	239	21454	187	175	12	4.84	3990
473.9	519.0	(GRANITE DIB)	469.00	474.20	4.40	176	14626	222	348	14	4.98	3991
		White, ag, bte, top ct. 40 to CA. MVS. Pink sections to pegmatitic. Well banded, ag, foliated sections, bte ct. at 25-30 to CA.	474.20	518.00	43.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.



CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB113

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
519.0	575.6	(AMPHIBOLITE, BANDED, WE SIL'D SECTS., SILIC, MIN'D SECTS.) Inhomogenous unit. 100% banded-variable colour, comp'n. Similarities with previous section; qtz-bte-assy bands, mafic Mafic schist, black-green, pale green, black. Hbl rich, epidote rich green sections. Bte bands, qtz bands, ag ep patches to >1', plag bands. Generally weak silicified, sects. moderate sil'd. Trace py in unit, mineralized sections isolated, irregular distribution, <<5%. 519.0-527.5 Pale green, ep-hbl to qtz-ep schist, minor garnet bands, py, po 10%, aspy-po, cm streak, blebs. Disseminated aspy, aspy total 4%. 527.5-527.7 qtz-ep-po 30% aspy 3% patch. 527.7-537.0 Banded, weak zebra text., py, po, aspy. 537.0-547.0 Banded, minor zebra text., wk silicified, po 5%, py 2%, aspy 1%, ss bands. 547.0-548.4 Qtz 50%, bte 20%, ep 10%, po, aspy 20%, .2' blebs, cm. band. Foliated at 25 to 30 to CA. Gradation lower margin, div. aspy. 548.4-573.0 Moderate silicified sections, banded, pale, grades to green/black banded-weak zebra texture; Ep rich bands, qtz, bte, hbl bands. Minor po, py bands. Minor bte bands, bte 100%-2' section. 573.0-575.6 Similar to above, ag, py 20%, po, aspy cm band, 10%. Py 30% near ct. margin, GD. Increased py bands near ct. margin-Granite dike.	518.00	525.00	5.00	274	3737	144	49	NIL	4.75	3932
			523.00	527.20	4.20	46	3521	108	58	9	4.89	3933
			527.20	532.50	5.30	40	2557	209	109	22	4.01	3994
			532.50	537.10	4.60	22	334	216	150	14	4.20	3995
			537.10	542.00	4.90	23	952	237	218	51	3.88	3996
			542.00	546.90	4.90	71	1795	306	302	20	4.38	3997
			546.90	550.00	3.10	107	19565	222	460	22	5.14	3939
			550.00	555.00	5.00	36	1012	200	170	28	3.09	3939
			555.00	560.00	5.00	34	96	268	51	13	5.35	4000
			560.00	565.00	5.00	35	246	195	154	19	4.09	4001
			565.00	570.00	5.00	22	119	195	139	15	3.85	4002
575.6	592.3	(GRANITE DIKE) White, bte, foliated at 50 to CA. NWS. Py, bte patches near btm. margin. 581.0-582.1 Hbl-ep-qtz xenolith, py bands, po.	570.00	576.00	6.00	86	1161	239	969	34	5.34	4003
			576.00	581.00	5.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			581.00	582.10	1.10	27	130	246	278	15	4.86	4004
			582.10	591.00	8.90	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
592.3	599.8	(AMPHIBOLITE-WE. MOD. SIL'D, SILICIOUS, MIN'D SECT.) Similar to previous section. Grey-green black hbl-ep-qtz schist, bte. Qtz banding, py bands, bte bands. Narrow sections, .1' to .3' qtz-bte-sulfides; po, py, aspy, sns. Weakly developed bands, sharp cts. 592.3-593.0 Po massive cm band, GD ct. Po, py bands 30%, aspy, trace sns. 593.0-596.3 Moderate sil'd, mafic, silic. sections 2-.3'. Qtz-bte-assy to 25%, py, sns 1-2%, ss fine streaks, bands. 597.3-597.6 Bte-qtz-py band, bte 60%.	591.00	593.00	2.00	51	747	179	2834	10	5.77	4005
			593.00	597.00	4.00	368	5994	221	2251	31	4.43	4006

HOLE No: CB113

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB113

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample
						As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	
		597.6-599.8 Weak silicified, minor py. pc. disc. assy.										
		599.5-599.8 Ct. margin, white fine alt'n. silicious, py. ass?										
599.6	697.0	(MAFIC INTRUSIVE)	597.00	606.00	3.00	55	763	331	425	33	4.37	4017
		Similar to previous. Sharp top ct., W.S. foliated at 55 to CA.	600.00	626.00	26.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Fairly uniform, colour, fabric slight variable. Slight inc.	626.00	627.50	1.50	13	246	121	31	NIL	1.09	4018
		gs. to mg to 668. Minor GO. 2-.8'.										
		662.0-663.0 x-fractured, crumbly massive green .1' section.										
		sheared?										
		651.0-659.0 mafic-assimilated schist, hbl-gtz schist, diff.										
		composition, texture, + gran. dikes.										
697.0	706.0	(MAFIC INTRUSIVE 50% + GRANITE DIKES 50%)	627.50	706.00	78.50	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		White, foliated, bte. F-mg dikes, 1' to 4', bte bands.										
		Interdigitated with mafic intrusive fg grey black speckled										
		sections. W.S.										
		706.0 E.O.H.										

1023505

1023504

1023503

1 000  
1 400  
1 500  
1 009  
1 700  
1 008  
1 006  
1 000  
1 100  
1 200  
1 300  
1 400  
1 500

Lake

1023506

1023507

1023508

1023511

1023510

102

1023512

1023513

1023514

CB008 -45°

CB006 -45°

CB007 -64°

CB005 -45°

CB003 -45°

CB002 -45°

CB001 -45°

CB007 -45°

CB114 -45°

CB010 -45°

CB009 -45°

CB011 -45°

CB113 -45°

CB013 -45°

CB012 -45°

CB014 -45°

CB112 -45°

CB021 -45°

CB022 -45°

CB023 -45°

CB015 -45°

CB024 -45°

Island



SCALE 1 : 5 000



*Patterson*

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB114  
 Collar Eastings: 700.00  
 Collar Northings: -90.00  
 Collar Elevation: 19.80  
 Grid: OneMan Lake

Collar Inclination: -45.00  
 Grid Bearing: 180.00  
 Final Depth: 726.00 feet

Logged by: I.E.S. Ltd.  
 Date: Feb. 21-24/91  
 Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
0.0	10.0	(CASING)										
10.0	133.9	(GRANITE) mottled pinkish, medium grained, poor to moderate foliation relatively massive, 10-15% mafics; 130.0 - 133.9 - increasing wisps to stringers of amphibolite contaminated, indistinct contact	0.00	130.40	130.40	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
133.9	158.1	(AMPHIBOLITE-ALTERED-MINERALIZED) irregularly interbanded amphibolite and siliceous giving rise to dark green and medium grey color; fine grained; siliceous sections are generally mineralized with varying amounts of Po, Py, minor Aspy and traces Cpy; sheared and well foliated at 45-50 to C.A. overall 20-25% siliceous bands with 5-10% Po, 5% Py, 1-2% Aspy, traces Cpy 142.0 - 144.0 - predominantly siliceous with 10-15% Po, 5% Py, minor Aspy 154.0 - 2 cm. quartz rich stringer with semi-massive Aspy, Po 156.0 - 157.2 - altered, sil'd; 15-20% Po, minor Py and Aspy in irregular stringers	136.40	136.40	3.00	28	211	89	2688	655	3.16	4009
			136.00	137.00	3.00	26	201	433	3802	662	5.32	4010
			137.00	138.00	1.10	24	2385	582	98	28	1.55	4011
			138.00	143.50	4.50	84	898	454	86	17	5.84	4012
			143.50	147.30	3.80	58	2306	351	43	8	1.75	4013
			147.30	150.30	3.00	74	4281	183	33	6	4.38	4014
			150.30	152.30	2.00	191	2369	229	40	5	3.44	4015
			152.30	154.00	1.70	159	1467	387	62	14	4.90	4016
			154.00	156.10	2.10	85	1646	763	79	20	9.74	4017
158.1	161.3	(GRANITE DIKE) mottled grayish and pink, medium grained; sheared and foliated; contaminated; 2-4% disseminated Py, Po	158.10	161.30	3.20	9	199	95	97	27	2.50	4018
161.3	176.0	(AMPHIBOLITE-ALTERED) dark green, fine grained, alteration and shearing decrease down section; 161.3 - 162.5 - 10%PoPy, 5% Aspy 163.0 - 2 mm. Cpy,Po filled fracture 164.0 - 2 mm. Cpy,Po filled fracture 162.5 - 176.0 - shearing and alteration decreases dramatically, traces sulfides	161.30	164.30	3.00	106	9933	2053	92	11	5.13	4019
			164.30	166.00	1.70	5	222	98	22	8	1.24	4020
			166.00	171.00	5.00	9	31	228	16	9	1.09	4021
			171.00	176.00	5.00	8	57	76	16	4	6.88	4022
176.0	203.3	(AMPHIBOLITE) dark green, fine grained, slight to moderate foliation at at 50 to C.A.; minor narrow stringers and wisps of light green altered, occasionally highly and irregularly folded	176.00	189.70	13.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			189.70	203.30	13.60	8	212	137	30	3	1.63	4023

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB114

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS								Sample	
			FROM	TO	WIDTH	As(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(%)
203.8	205.9	(AMPHIBOLITE-ALTERED-MINERALIZED) 203.8 - 204.5 - amph. as above, 25% light whitish to grey siliceous-feldspatic bands, minor Po, Py, Aspy 204.5 - 205.7 - 75% siliceous and feldspatic, 2-4% PoPy, Aspy 205.7 - 205.9 - highly biotitic, 10% Po, minor Py, 20% Aspy contact with granite dike										
205.9	210.4	(GRANITE DIKE) mottled pinkish, medium grained, 10-15% biotite and amph. moderately sheared and foliated; 209.4 - 2 cm. stringer, sheared, sil'd, 5-10% PoPy	203.80 206.00	204.00 210.40	2.20 4.40	206 47	10237 597	205 135	70 104	14 14	4.71 1.67	4024 4025
210.4	216.0	(HLY SIL'D AND MINERALIZED ZONE) 210.4 - 211.0 - hly sil'd, 10% Po, minor Py, traces Cpy, Aspy 211.0 - 213.2 - hly sil'd, 30% Aspy, 10% Po, minor Py; sulfides occur as crystal aggregates, irregular stringers, and disseminated form 213.2 - 216.0 - hly sil'd, 5-8% disseminated Po, Py, Aspy	210.40 213.20	213.20 216.00	2.00 2.00	3109 132	113200 8076	719 190	1024 189	109 24	12.43 6.19	4026 4027
216.0	274.2	(AMPHIBOLITE-ALTERED) amphibolite with irregular stringers and sections of medium grey siliceous material, amph is moderately biotitic; siliceous sections are generally mineralized with varying amounts of disseminated Po, Py, minor Aspy; foliation at 55-60 to C.A., occasional clusters Po, Py, Aspy, 30% siliceous 237.0 - 2 cm. massive Aspy, Po 264.8 - 274.2 - sheared, sil'd, 15-20% fine disseminated and stringers Po minor Py, Aspy, traces Cpy	216.00 218.70 225.50 228.40 233.10 236.00 237.00 242.00 247.40 252.00 256.70 261.50 264.20 268.50 271.00 274.20	218.70 225.50 233.10 236.00 242.00 247.40 252.00 256.70 261.50 264.20 268.50 271.00 274.20	2.70 4.00 4.90 4.70 2.90 1.00 5.00 4.00 4.00 4.70 4.00 4.70 2.30 2.50 1.20	12 19 33 10 16 672 30 30 49 15 64 97 50 223 89	8503 1400 830 735 564 16776 1275 1180 1502 340 1929 1826 836 3411 229	93 72 160 54 239 511 83 145 177 227 290 379 371 100 886	25 27 32 26 49 91 25 30 42 37 31 42 32 100 129	19 9 8 8 8 11 10 5 9 5 26 7 5 49 8	3.91 2.33 1.82 1.27 3.14 5.52 1.90 3.00 2.73 3.27 3.58 4.28 3.42 12.00 10.45	4028 4029 4030 4031 4032 4033 4034 4035 4036 4037 4038 4039 4040 4041 4042
274.2	291.0	(PRGMATITE DIKE) pink, coarse grained, massive to minor fractured and foliated some amphibolite contamination at contacts	274.20	291.00	16.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
291.0	293.6	(AMPH-BRECCIA) fine brecciated, 30% fine amph fragments up to 1 cm. diameter 50-60% sil'd and feldspatic matrix; 5-8% Po, minor Py, Aspy 293.0 - 293.6 - no brecciation, sil'd and mineralized										

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS						Sample	
						Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)		
293.6	317.6	(AMPHIBOLITE) dark green, fine grained, relatively massive save for foliation at 25-50 to C.A.-variable: minor fracture filling and fine stringers along foliation of Po,Py,Aspy, sulfides:5% 294.7 - 295.0 - pegmatite stringer 315.4 - 316.5 - hly biotitic, coarse biotite with 20% large feldspar crystals	293.00	293.70	2.70	110	22	684	49	9	7.65	4043	
			293.70	296.00	2.30	23	126	272	49	4	3.84	4044	
			296.00	299.50	3.50	44	584	251	78	4	4.06	4045	
			299.50	304.20	4.70	53	2186	255	78	4	2.53	4046	
			304.20	309.00	4.80	105	3169	105	65	6	2.74	4047	
			309.00	313.80	4.80	26	749	256	87	3	2.86	4048	
317.6	402.0	(AMPHIBOLITE-ALTERED) amph as before, 30-40% irregular siliceous sections; coarse amph fragments in siliceous matrix; siliceous material contains varying amounts Po,Py,Aspy; increasing alteration down section; 343.4 - 344.6 - hly alt'd, biotitic; 15-20% Py, 5-8% Aspy 344.6 - 345.6 - 30% quartz, 30% biotite, 4% coarse Aspy crystal aggregates 1-2% Cpy in with massive Aspy 348.0 - 349.0 - relatively unaltered; minor Po Py Aspy 367.0 - 372.7 - increasing alteration and siliceous sections 371.8 - 372.7 - hly sil'd; 20-30% Po, minor Py 372.7 - 402.0 - relatively massive, minor Po,Py,Aspy along foliation and x-fractures	313.80	318.70	4.90	66	954	216	307	3	5.82	4049	
			318.70	323.50	4.80	10	509	193	67	4	2.88	4050	
			323.50	328.30	4.80	10	652	87	35	4	1.74	4051	
			328.30	332.80	4.50	20	709	316	51	5	3.36	4052	
			332.80	337.40	4.60	37	2185	350	62	5	3.87	4053	
			337.40	342.50	5.10	132	3078	611	169	4	4.45	4054	
			342.50	343.40	0.90	191	9904	932	241	4	6.05	4055	
			343.40	344.60	1.20	574	42559	2345	328	4	13.30	4056	
			344.60	345.60	1.00	1099	112030	2984	146	4	15.21	4057	
			345.60	347.10	1.50	41	2699	370	62	7	3.95	4058	
			347.10	352.00	4.90	25	882	266	66	6	3.90	4059	
			352.00	356.80	4.80	18	691	217	39	3	3.00	4060	
			356.80	361.60	4.70	7	512	173	30		NIL	2.57	4061
			361.60	366.40	4.80	9	381	227	32		NIL	2.87	4062
			366.40	371.00	4.60	21	875	226	33	2	2.75	4063	
			371.00	376.00	5.00	13	730	351	29		NIL	4.43	4064
			376.00	381.20	5.20	11	319	204	34	5	3.47	4065	
			381.20	385.80	4.60	14	288	204	45	3	3.35	4066	
			385.80	390.20	4.40	20	145	273	50		NIL	4.13	4067
			390.20	395.10	4.90	44	1098	199	30	5	2.54	4068	
395.10	399.70	4.60	55	355	139	31	5	2.07	4069				
399.70	402.00	2.30	24	63	268	48	4	3.03	4070				
402.0	420.0	(PRGATITE DIKE) pink, coarse grained, sharp contacts at 45-50 to C.A.	402.00	420.00	18.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	
420.0	554.5	(AMPHIBOLITE-ALTERED) 429.0 - 429.0 - minor siliceous bands with minor Py,Po along foliation planes, foliation at 20 to C.A. 429.0 - shear/fault at 20 to C.A. 429.0 - down section - coarse amph breccia fragments; amph siliceous interbanded, sheared and foliated at 45-50 to C.A. minor Po,Py, traces Aspy in siliceous sections 465.0 - 471.0 - hly sil'd 467.0 - fault zone	420.00	423.60	3.60	13	235	328	71	4	3.70	4071	
			423.60	429.30	4.70	16	334	289	28	5	5.72	4072	
			429.30	433.30	4.00	21	1090	249	61	6	2.32	4073	
			433.30	438.00	4.70	29	396	152	125	10	3.90	4074	
			438.00	442.70	4.70	6	221	112	55	7	2.07	4075	
			442.70	447.50	4.80	10	430	255	58	11	2.83	4076	
			447.50	452.30	4.80	9	343	110	71	10	2.72	4077	
			452.30	457.00	4.70	6	1857	49	72	13	2.91	4078	
			457.00	461.70	4.70	9	953	90	46	8	2.01	4079	

HOLE No: CB114

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
HOLE No.: CB114

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FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au(ppb)	As(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)	Fe(%)	Sample
		474.4 - 474.6 - fault gouge	481.70	486.80	4.90	NIL	85	37	29	21	1.32	4080
		474.6 - down section relatively unaltered; minor sil'd stringers and sections	486.80	471.40	4.80	26	813	348	49	13	2.81	4081
		471.40 - 475.80 - 15% scattered garnets	471.40	475.80	4.40	141	5422	310	125	50	4.48	4082
		509.0 - 510.5 - pegmatite dike; broken up; contaminated; sheared	475.80	488.50	4.70	12	1245	50	42	6	2.55	4083
		511.3 - 513.2 - pegmatite dike	488.50	485.30	4.80	8	479	95	53	7	2.70	4084
		518.2 - 3 cm. sil'd stringer; 10% Po, minor Sphal.	485.30	496.00	4.75	11	865	77	67	5	2.60	4085
		531.9 - 532.5 - Pegmatite dike	490.00	494.50	4.50	8	322	21	85	22	3.43	4086
			494.50	499.20	4.70	11	515	85	62	11	3.68	4087
			499.20	504.00	4.80	10	135	138	65	4	4.43	4088
			504.00	508.80	4.60	10	292	99	52	8	3.80	4089
			508.80	513.20	4.60	17	184	115	150	46	3.79	4090
			513.20	518.00	4.80	15	77	139	193	207	3.80	4091
			518.00	523.00	5.00	14	357	157	1107	87	2.88	4092
			523.00	528.50	4.70	8	388	149	188	53	4.37	4093
			528.50	533.40	3.90	NIL	43	195	314	22	4.54	4094
			533.40	537.00	4.60	NIL	20	168	147	157	4.25	4095
			537.00	541.50	4.50	NIL	15	129	348	462	3.84	4096
554.5	575.0	(PRGMATITE DIKE) 554.5 - 564.5 - medium grained, pink; granite- contaminated 20% neph-bio 564.5 - 575.0 - pink, coarse grained pegmatite; upper contact at "50 to C.A.; lower contact at "30 to C.A.; foliation at "30 to C.A.										
575.0	599.5	(AMPHIBOLITE) dark green, fine grained, relatively massive save for foliation and minor fracturing - quartz filled; foliation near pegmatite at 25-30 to C.A. and steepens to 45-50 to C.A. away from dike; 5-8% quartz and pegmatitic stringers and patches; minor biotite	541.50	592.00	51.30	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			592.00	597.30	4.50	NIL	148	91	52	13	1.94	4097
			597.30	599.50	2.20	27	1838	45	67	22	1.99	4098
599.5	604.1	(AMPHIBOLITE-MINERALIZED) amphibolite as before 599.5 - 601.0 - 20% sil'd, minor Po, Py, Aspy - disseminated 601.0 - 604.1 - 20% quartz, 15-20% medium grained Aspy, 10% Po, Py, minor Sphal.	599.50	601.20	1.70	444	5865	420	503	96	2.91	4099
			601.20	604.00	2.80	1109	51221	515	7348	75	8.64	4100
604.1	654.0	(AMPHIBOLITE) similar to 575.0 - 599.5 619.0 - 620.2 - moderately sheared, moderately biotitic 635.0 - 636.0 - sil'd; 15% Po, minor Py 641.6 - 641.8 - sil'd stringer; 20-25% Po 642.4 - 643.0 - sil'd; 20% Po	604.00	606.70	2.70	89	2668	288	281	60	1.93	4101
			606.70	611.70	5.00	20	441	265	51	8	1.56	4102
			611.70	641.50	29.80	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			641.50	643.30	1.80	13	40	134	217	7	5.06	4103
			643.30	652.00	3.70	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
			652.00	654.00	2.00	5	14	307	204	2	6.39	4104

HOLE No: CB114

CHAMPION BEAR RESOURCES LTD.

DIAMOND DRILL LOG

PROPERTY: Champion Bear Res. Ltd.  
 HOLE No.: CB114

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FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS					Sample	
						Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Pb(ppm)		Fe(S)
		652.4 - 653.3 - sil'd; 10-15% Po										
654.0	655.6	(PGMATITE DIKE) pink, coarse grained, upper contact at 755 to C.A.										
655.6	689.2	(AMPHIBOLITE - INTRUSIVE?) dark green, medium grained; varying from from slightly to well foliated in sections; frequent white granitic dikes varying from mm. to 10's of cm. width 655.6 - 655.9 - hly sheared contact; several stringers of mm. to 5 mm. massive Cpy PoPy, Sphal 686.1 - 689.2 - white granitic dike										
689.2	726.0	(AMPH-GRANITE INTERBANDED) 60% amph, as above, 40% white granite interbanded sections varying from cm. to 10's of cm. width	454.00	726.00	72.00	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		726.0 - R.O.H.										

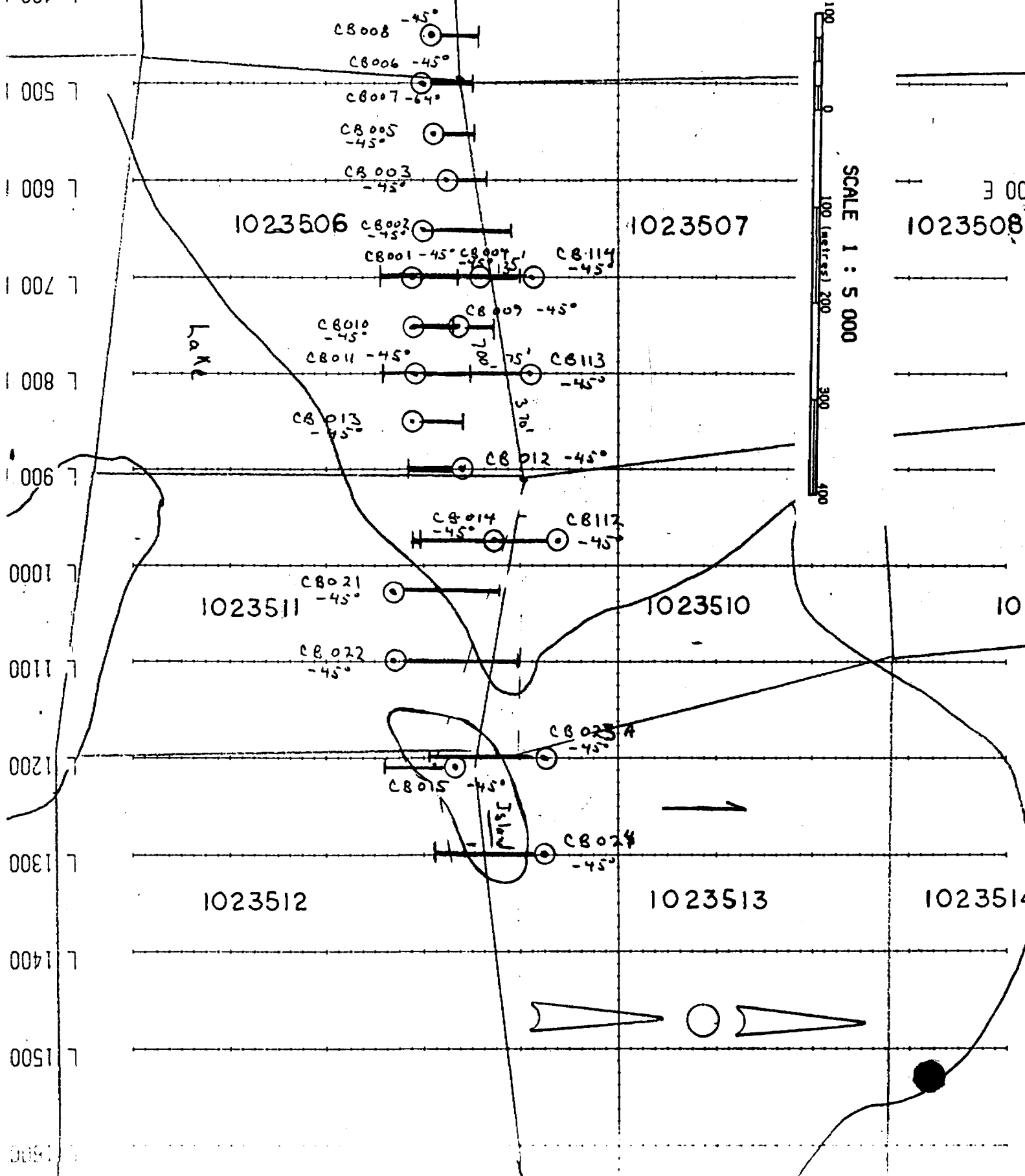


1023505

1023504

1023503

100E 7  
1400 7  
1500 7  
1009 7  
1700 7  
1008 7  
1006 7  
0001 7  
0011 7  
1200 7  
1300 7  
1400 7  
1500 7



SCALE 1 : 5 000  
100  
0  
100 (metres)  
200  
300  
400

E 009

102

DOCUMENT No. W9110-076



Mining Act

Report of Work

Name and Address of Recorded Holder Champion Bear Resources Ltd.	Prospector's Licence No. T 5146
3805 - 7A Street S.W.; Calgary, Alberta; T2T 2Y8	Telephone No. 403-243-6997

Summary of Distribution of Credits and Work Performance

Mining Division	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number			Prefix	Number			Prefix	Number		
Kenora												
Township or Area Paterso Lake G-2634 Treelined Lake G-2651	See Attached Schedule A											
Total Assessment Credits Claimed 14,177 days												
Type of Work Performed (Check one only)												
<input type="checkbox"/> Manual Work												
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work												
<input type="checkbox"/> Mechanical equipment												
<input type="checkbox"/> Power Stripping other than Manual (maximum credit allowed - 100 days per claim)												
<input checked="" type="checkbox"/> Diamond or other Core drilling												
<input type="checkbox"/> Core Specimens												

Dates when work was performed From: Dec. 1, 1990 To: Feb. 26, 1991	Total No. of Days Performed 14,177	Total No. of Days Claimed 5,440	Total No. of Days to be Claimed at a Future Date 8,737
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All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. * (See note No. 1 on reverse side)				Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days
See attached schedule B											
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

Required Information eg. type of equipment, Names, Addresses, etc. (See Table on reverse side)  
If space below is insufficient, attach schedules with required information and location sketches

Diamond Drill Contractor

Wynne Drilling  
Bissett, Manitoba

Engineering and supervision  
Independent Exploration Services Ltd.  
PO Box 7; Station A  
Winnipeg, Manitoba  
R3K 1Z9

APPROVED JUN 28 1991

ONTARIO GEOLOGICAL SURVEY  
GIS - ASSESSMENT FILES

JUL 02 1991

**RECEIVED**

Certification of Beneficial Interest \* (See Note No. 2 on reverse side)

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.

Date: May 3, 1991

Recorded Holder or Agent (Signature): *[Signature]*

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 Address of Person Certifying  
L. C. Chastko; 791 Elmhurst Road; Winnipeg, Manitoba; R3R 0V3

Telephone No. 204-889-0751 Date May 3, 1991

Certified By (Signature): *[Signature]*

For Office Use Only

Work Assignments	Received Stamp
	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>KENORA MINING DIV.</p> <p><b>R E C E I V E D</b></p> <p>MAY 16 1991</p> <p>AM 8:15 PM</p> <p>789101112123456</p> </div>

SCHEDULE A

SUMMARY OF DISTRIBUTION OF CREDITS

File: Ch.Br.Master.1  
 Report: Assess.5.91

Prefix	CLAIM NO.	GROUP	WORK DAYS CR.
K	1057781	OneMan.4	20 days
	1057782	OneMan.4	20 days
	1057783	OneMan.4	20 days
	1057784	OneMan.4	20 days
	1057785	OneMan.4	20 days
	1057786	OneMan.4	20 days
	1057787	OneMan.4	20 days
	1057788	OneMan.4	20 days
	1057789	OneMan.4	20 days
	1057790	OneMan.4	20 days
	1057791	OneMan.4	20 days
	1057792	OneMan.4	20 days
	1057793	OneMan.4	20 days
	1057794	OneMan.4	20 days
	1057795	OneMan.4	20 days
	1057796	OneMan.4	20 days
	1057797	OneMan.4	20 days
	1057798	OneMan.4	20 days
	- 1057799	OneMan.4	20 days
	~1069400.	OneMan.4	20 days
	1069419	OneMan.4	40 days
	1069420	OneMan.4	40 days
	1069421	OneMan.4	40 days
	1069422	OneMan.4	40 days
	1069423	OneMan.4	40 days
	1069424	OneMan.4	40 days
	- 1069425	OneMan.4	40 days
	1069468	OneMan.4	40 days
	1069469	OneMan.4	40 days
	1069470	OneMan.4	40 days
	1069471	OneMan.4	40 days
	1069472	OneMan.4	40 days
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	1069474	OneMan.4	40 days
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	1069478	OneMan.4	40 days
	1069479	OneMan.4	40 days
	1069480	OneMan.4	40 days
	1069481	OneMan.4	40 days
	1069482	OneMan.4	40 days
	- 1069483	OneMan.4	40 days
	1086088	Sep.3	40 days
	1086089	Sep.3	40 days
	1086090	Sep.3	40 days
	1086091	Sep.3	40 days
	1086092	Sep.3	40 days
	1086093	Sep.3	40 days
	1086094	Sep.3	40 days

File: Ch.Br.Master.1

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Report: Assess.5.91

CLAIM NO.      GROUP      WORK DAYS CR.

CLAIM NO.	GROUP	WORK DAYS CR.
1086095	Sep.3	40 days
1086096	Sep.3	40 days
1086097	Sep.3	40 days
1086098	Sep.3	40 days
1086099	Sep.3	40 days
1086100	Sep.3	40 days
1086101	Sep.3	40 days
1086102	Sep.3	40 days
1086103	Sep.3	40 days
1086104	Sep.3	40 days
1086105	Sep.3	40 days
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1086134	OneMan.3	40 days
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1086139	OneMan.3	40 days
1086140	OneMan.3	40 days
1086141	OneMan.3	40 days
1086142	OneMan.3	40 days
1086143	OneMan.3	40 days
1086144	OneMan.3	40 days

File: Ch.Br.Master.1

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Report: Assess.5.91

CLAIM NO.	GROUP	WORK DAYS CR.
1086145	OneMan.3	40 days
1086146	OneMan.3	40 days
1086147	OneMan.3	40 days
1086148	OneMan.3	40 days
1086149	OneMan.3	40 days
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1086151	OneMan.3	40 days
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1105590	OneMan.3	40 days
1105591	OneMan.3	40 days
1105592	OneMan.3	40 days
1105593	OneMan.3	40 days
1105594	OneMan.3	40 days
1105595	OneMan.3	40 days
1105596	OneMan.3	40 days
1105900	Gossan	40 days
1105901	Gossan	40 days
1105902	Gossan	40 days
1105903	Gossan	40 days
1105904	Gossan	40 days
1105905	Gossan	40 days
1105906	Gossan	40 days
1105907	Gossan	40 days
1105908	Gossan	40 days
1105909	Gossan	40 days
1105910	Gossan	40 days
1105911	Gossan	40 days
1105912	Gossan	40 days
1105913	Gossan	40 days
146 claims	TOTALS	5,440 days