METALLIC MINERALS SURVEY
CIDA PROJECT 504/12713
DIAMOND DRILL LOG

HOLE NUMBER: CON - 4

PROJECT BELLAS GATE	JMG COORDINATES	UNIT OF MEASUREMENT Feet	DATE STARTED 31/7/69
PARISH ST. CATHERINE	GRID COORDINATES -	NUMBER OF SAMPLES 68	DATE FINISHED 29/8/69
LOCATION CONNORS	ELEVATION (Metres) 407	FOOTAGE SAMPLED 333.0	CORE SIZE NX/BX/AXT
EPL NUMBER 400	AZIMUTH -	TOTAL DEPTH 410.0	DRILLED BY S.T.E Ltd (JA)
EPL HOLDER TREVCORP Ltd.	INCLINATION Vertical		LOGGED BY S. Amor

NOTES: Core relogged and resampled by SA in May/June 1991; only quartered core remains. Samples analysed at Activation labs, Ancaster, Ontario by Neutron Activation and at TSL by ICP. Analyses of additional elements, not included in this log, are attached on separate sheets. The log incorporates XRD information taken from Fenton, A.D., 1974 "Geology of the Connors Porphyry Copper Prospect, St. Catherine, Jamaica" M. Sc Thesis, Univ. Toronto, 167p.

PERCENTAGE OF CORE AVAILABLE FOR LOGGING AND SAMPLING

BOX	FROM	TO	%	BOX	FROM	TO	%	BOX	FROM	TO	%	BOX	FROM	TO	%	BOX	FROM	TO	%	BOX	FROM	TO	%	BOX	FROM	TO	%	BOX	FROM
1	69.0	84.0	67	22	374.0	386.0	83																						
2	84.0	100.0	63	23	386.0	400.0	71																						
3	100.0	115.0	67	24	400.0	407.0	100																						
4	115.0	131.5	61																										
5	131.5	149.0	57																										
6	149.0	200.0	20																										
7	200.0	219.0	53																										
8	219.0	229.0	100																										
9	229.0	243.0	71																										
10	243.0	252.5	0																										
11	252.5	262.0	100																										
12	262.0	272.5	95																										
13	272.5	282.0	100																										
14	282.0	292.5	95																										
15	292.5	306.0	74																										
16	306.0	316.0	100																										
17	316.0	326.0	100																										
18	326.0	336.5	95																										
19	336.5	346.0	100																										
20	346.0	359.5	74																										
21	359.5	374.0	69																										

METALLIC MINERALS SURVEY PHASE II
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DIAMOND DRILL LOG

HOLE NUMBER: CON-4 SUMMMARY LOG

FROM	TO	DESCRIPTION
0	69.0	NO CORE RECOVERED Clayey zone with 5% pyrite (GE & SL)
69.0	131.0	FELSIC VOLCANICLASTIC Max. 0.5% sulphide. Cu >0.1% throughout interval; >0.5% from 84.0-88.5, 104.5-108.0, 112.0-122.0 Au >0.1 g/t throughout interval; >0.5 g/t from 84.0-88.5, 104.5-108.0, 115.0-122.0, 126.5-131.0
131.0	410.0	GRANODIORITE Max. 15% sulphide. Cu >0.1% from 131.0-159.0, 164.0-410.0; >0.5% from 131.0-159.0, 164.0-170.0, 192.0-212.0, 215.0-342.0, 347.0-352.0, 362.0-372.0; >1.0% from 146.5-159.0, 164.0-170.0, 227.0-237.0, 279.0-284.0, 304.0-312.0, 322.0-327.0, 337.0-342.0 Au >0.1 g/t from 131.0-159.0, 164.0-392.0, 407.0-410.0; >0.5 g/t from 136.0-159.0, 164.0-170.0, 192.0-200.0, 253.0-284.0, 289.0-294.0, 337.0-342.0, 347.0-352.0; >1.0 g/t from 152.0-159.0, 192.0-200.0, 272.5-274.0 As 51ppm from 372.0-377.0 Magnetic susceptibility >50 gammas (~5% magnetite) from 347.0-352.0, 367.0-372.0, 377.0-407.0; >100 gammas (~10% magnetite) from 387.0-392.0
	410.0	END OF HOLE

No	%SUL	FROM	TO	TOTAL	ANALYSES										
					Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se

METALLIC MINERALS SURVEY PHASE II
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HOLE NUMBER: CON - 4

FROM	TO	DESCRIPTION
0	69.0	NO CORE
69.0	131.0	FELSIC VOLCANICLASTIC Dark grey. Fragments <0.1mm, mostly grey (translucent) quartz and white (opaque) feldspar. Magnetite accounts for relatively dark colour; ferromags are almost absent. Modal percents — Feldspar 45%; Quartz 45%; Magnetite 10% (absent from 78.0-131.0) XRD Scan from 100.0: plagioclase, quartz, biotite, minor chlorite, carbonate, pyrite Broken from 69.0-76.0, 82.0-84.0 and 100.0-131.0. 102.0-105.6 Slickensiding 80° to CA Mineralization Trace Mc staining from 102.0-105.6 69.0-115.0 Dissem. Py 102.0-105.6 Py/quartz veins approximately parallel to CA. Py in veins and on crack surfaces with Mt, no carbonate. 75.0-77.0 Hematite on fracture surfaces
131.0	410.0	GRANODIORITE Grey colour. Most grains <0.2mm, with phenocrysts <2mm. Modal percents At 132.5: Feldspar phenocrysts 5%; Feldspar groundmass 55%; Quartz 30%; Dark minerals (mostly magnetite) 10% At 233.0: Feldspar phenocrysts 35%; Feldspar groundmass 64%; Dark minerals (biotite/chlorite) 1% XRD Scans At 135.0: plagioclase, quartz, chlorite, sericite, k-spar, pyrite, minor chalcopyrite At 241.0: albite, quartz, abundant chlorite, minor sericite, minor k-spar, pyrite, minor chalcopyrite At 287.0: plagioclase, quartz, chlorite, minor sericite, minor k-spar, minor pyrite, minor chalcopyrite, minor magnetite

No	% SUL	FROM	TO	TOTAL	ANALYSES Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
C258	0.5	69.0	74.0	5.0	371	0.6	4101	6	68	<0.5	<5	<2	0.2	5	<5
C259	0.5	74.0	79.0	5.0	460	0.5	3270	2	70	<0.5	6	<2	0.3	5	<5
C260	0.5	79.0	84.0	5.0	466	0.5	4083	10	68	<0.5	<5	<2	<0.2	5	<5
C262	0.1	84.0	88.5	4.5	593	0.8	5625	4	74	<0.5	<5	<2	<0.2	5	<5
C263	0.1	88.5	95.0	6.5	362	0.6	2954	9	61	0.5	<5	<2	<0.2	<5	<5
C264	0.1	95.0	100.0	5.0	457	0.4	3807	3	76	<0.5	<5	<2	0.3	<5	<5
C265	0.5	100.0	104.5	4.5	433	1.0	3678	2	70	<0.5	5	2	0.5	<5	<5
C266	0.5	104.5	108.0	3.5	680	1.3	6905	7	81	<0.5	<5	2	<0.2	5	<5
C268	0.1	108.0	112.0	4.0	401	0.7	2834	2	76	<0.5	<5	<2	<0.2	<5	<5
C269	0.1	112.0	115.0	3.0	492	0.9	5129	2	61	0.8	<5	<2	<0.2	<5	6
C270	0.5	115.0	122.0	7.0	749	0.7	7252	2	67	1.0	<5	<2	0.3	<5	12
C271	0.5	122.0	126.5	4.5	361	0.9	3671	2	67	<0.5	<5	<2	0.2	6	<5
C272	0.5	126.5	131.0	4.5	533	0.7	4578	2	72	<0.5	<5	<2	0.2	<5	8
C273	1	131.0	136.0	5.0	490	1.0	6813	6	61	<0.5	14	<2	<0.2	12	7
C274	1	136.0	142.0	6.0	262	1.0	8387	2	65	<0.5	<5	<2	0.3	<5	<5
C275	1	142.0	146.5	4.5	514	0.6	6283	2	62	0.7	<5	<2	0.4	7	7
C276	1	146.5	152.0	5.5	619	0.7	0680	2	51	0.6	2	<2	0.4	<5	6
C277	1	152.0	159.0	7.0	1070	0.7	11712	2	44	0.6	<5	4	0.6	8	9
C278	1	159.0	164.0	5.0	49	0.4	489	2	35	<0.5	9	6	0.4	<5	<5
C279	1	164.0	170.0	6.0	811	1.0	12255	2	61	1.4	8	5	0.4	16	<5
C280	1	170.0	174.0	4.0	244	0.4	2991	2	48	<0.5	<5	2	0.4	<5	<5
C282	1	174.0	179.0	5.0	286	0.1	3548	4	46	1.1	<5	<2	0.4	<5	<5
C283	1	179.0	185.0	6.0	216	0.4	4770	3	58	<0.5	<5	<2	0.3	<5	7
C284	1	185.0	192.0	7.0	362	0.4	4734	5	60	0.8	<5	<2	<0.2	5	<5
C285	1	192.0	200.0	8.0	1160	0.8	6881	2	53	1.5	<5	<2	0.3	5	<5
C286	5	200.0	204.6	4.6	188	0.6	5956	2	65	1.2	6	<2	0.3	<5	6
C287	5	204.6	207.0	2.4	112	0.9	5206	3	68	0.7	7	<2	0.3	<5	6
C288	5	207.0	212.0	5.0	208	0.6	5643	2	55	0.9	8	<2	0.4	<5	<5
C289	5	212.0	215.0	3.0	213	0.4	3568	2	57	<0.5	<5	<2	0.3	<5	<5
C290	5	215.0	218.0	3.0	284	0.9	5090	4	40	<0.5	6	<2	0.4	<5	8
C291	7	218.0	223.0	5.0	240	0.9	7005	5	60	<0.5	25	2	0.4	<5	8
C292	8	223.0	227.0	4.0	274	0.9	6575	109	135	1.5	<5	17	2.4	<5	5
C293	9	227.0	232.0	5.0	302	0.8	0460	6	55	0.7	9	3	0.5	<5	12
C295	10	232.0	237.0	5.0	374	2.0	1579	4	54	<0.5	<5	3	0.5	<5	14
C296	8	237.0	253.0	6.0	407	0.7	7863	9	59	<0.5	<5	<2	0.3	<5	10
C297	8	253.0	258.0	5.0	617	<0.5	6484	2	36	0.5	<5	<2	0.2	<5	8

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FROM	TO	DESCRIPTION
		At 309.0 (vein): quartz, chlorite, sericite, carbonate, k-spar, pyrite, abundant chalcopyrite
		At 356.0: oligoclase, quartz, minor biotite, chlorite, sericite, carbonate, minor k-spar, pyrite, abundant chalcopyrite
		At 369.0: andesine, quartz, biotite, chlorite, abundant carbonate, k-spar, abundant magnetite
		At 386.0: andesine, quartz, minor chlorite, minor sericite, abundant carbonate, k-spar, abundant magnetite
		At 393.0: andesine, quartz, abundant chlorite, carbonate, minor k-spar, minor pyrite, abundant chalcopyrite, minor magnetite
		At 403.0: andesine, quartz, chlorite, minor k-spar, minor chalcopyrite, abundant magnetite
		Broken ground from 131.0-218.0, 227.0-231.0, 272.5-317.0
		Alteration 131.0-200.0, 218.0-237.0, 253.0-274.0, 307.0-410.0: porphyritic texture of rock obscured by silicification, giving the appearance of a felsic volcaniclastic rock.
		259.0-262.0 and 326.0-336.5: green chlorite patches up to 3mm across.
		374.0-377.0: Pervasive olive-green chloritization, becoming progressively less widespread from 377.0 onwards. The less altered material contains quartz/Mt/carbonate veins, especially from 377.0-380.0. Chlorite persists as patches from 386.0 to end of hole.
		Mineralization 131.0-200.0, 218.0-229.0, 243.0-386.0: Py in veins and on crack surfaces with Mt. Veins contain no carbonate from 131.0-243.0. Most cracks and veinlets are parallel or subparallel to CA and <1mm thick. Most have thin chloritic selvedge.
		Sulphide dies out below 386.0, though veins persist with Mt.
		Dissem. Py from 200.0-218.0, 219.0-243.0
		Bornite on some crack surfaces between 262.0 and 272.5
		From 346.0-410.0 Mt reaches 10%, accompanied by hematite from 366.0 onwards. Mode of occurrence (in veinlets with quartz and carbonate) mimics sulphide-bearing veinlets from higher up in hole. Veinlets are <1cm thick.
		Specular hematite occurs between 307.0 and 308.0.
	410.0	END OF HOLE

No	% SUL	FROM	TO	TOTAL	ANALYSES										
					Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
C298	9	258.0	263.0	5.0	685	1.6	7906	5	36	<0.5	<5	<2	<0.2	<5	6
C299	15	263.0	268.0	5.0	879	1.3	9627	4	44	<0.5	8	2	0.3	36	9
C300	15	268.0	272.5	4.5	790	0.8	7636	6	45	0.5	<5	<2	0.2	<5	10
C302	15	272.5	274.0	1.5	1070	0.6	9626	2	53	0.7	<5	<2	0.3	<5	10
C303	12	274.0	279.0	5.0	600	1.3	8491	2	46	<0.5	<5	<2	0.3	<5	8
C304	9	279.0	284.0	5.0	574	0.7	1063	6	54	<0.5	<5	<2	0.3	12	<5
C305	5	284.0	289.0	5.0	410	0.9	8259	2	58	0.6	34	2	0.4	<5	5
C306	5	289.0	294.0	5.0	509	1.6	6534	6	45	0.7	<5	<2	0.2	<5	<5
C307	5	294.0	299.0	5.0	481	0.6	6042	4	51	<0.5	<5	<2	<0.2	<5	6
C308	5	299.0	304.0	5.0	492	1.9	6406	4	58	1.4	7	<2	0.3	9	6
C309	5	304.0	307.0	3.0	262	4.6	12206	3	126	<0.5	6	<2	0.6	<5	8
C310	10	307.0	312.0	5.0	270	5.7	19096	2	71	1.4	<5	18	0.4	5	9
C311	10	312.0	317.0	5.0	259	1.2	5822	5	50	1.6	<5	<2	0.3	9	5
C312	12	317.0	322.0	5.0	254	3.2	8007	3	53	<0.5	<5	3	0.4	<5	9
C313	12	322.0	327.0	5.0	165	3.8	10459	52	136	1.1	7	17	3.8	<5	8
C315	6	327.0	332.0	5.0	111	3.0	8430	3	93	0.8	6	2	0.4	<5	7
C316	5	332.0	337.0	5.0	242	2.1	6801	2	85	0.7	<5	2	0.6	<5	8
C317	8	337.0	342.0	5.0	653	2.1	10004	3	56	1.2	<5	<2	0.4	<5	7
C318	10	342.0	347.0	5.0	428	1.1	4592	3	54	<0.5	<5	<2	0.3	5	<5
C319	8	347.0	352.0	5.0	540	1.0	5534	2	62	1.0	<5	<2	0.3	<5	7
C320	8	352.0	357.0	5.0	380	0.9	3924	2	56	<0.5	<5	<2	0.3	6	<5
C321	7	357.0	362.0	5.0	378	0.5	3356	2	58	0.5	<5	<2	0.2	13	<5
C322	5	362.0	367.0	5.0	233	1.4	5179	2	86	0.8	<5	2	0.4	7	7
C323	5	367.0	372.0	5.0	244	1.3	5278	2	77	1.1	<5	<2	0.3	<5	<5
C324	2	372.0	377.0	5.0	221	0.9	3969	2	116	<0.5	7	51	1.2	8	8
C325	0.5	377.0	382.0	5.0	158	1.0	4839	6	120	<0.5	6	7	0.7	6	8
C327	Tr	382.0	387.0	5.0	133	1.3	3850	2	148	<0.5	<5	<2	0.7	17	6
C328	Tr	387.0	392.0	5.0	127	0.5	1447	7	149	<0.5	<5	2	0.6	24	<5
C329	Tr	392.0	397.0	5.0	69	2.0	2595	5	152	<0.5	<5	<2	0.6	<5	<5
C330	Tr	397.0	402.0	5.0	52	1.3	2654	4	132	<0.5	<5	3	0.5	<5	<5
C331	Tr	402.0	407.0	5.0	91	1.3	2115	3	145	<0.5	<5	<2	0.6	9	<5
C332	Tr	407.0	410.0	5.0	108	0.8	3102	4	125	<0.5	<5	<2	0.6	<5	<5