METALLIC MINERALS SURVEY
CIDA PROJECT 504/12713
DIAMOND DRILL LOG

HOLE NUMBER: CON - 2

PROJECT BELLAS GATE	JMG COORDINATES __	UNIT OF MEASUREMENT Feet	DATE STARTED 14/5/69
PARISH ST. CATHERINE	GRID COORDINATES ___ -	NUMBER OF SAMPLES 69	DATE FINISHED 16/6/69
LOCATION CONNORS	ELEVATION (Metres) 427	FOOTAGE SAMPLED 315.2	CORE SIZE BQ
EPL NUMBER 400	AZIMUTH -	TOTAL DEPTH 573.7	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			0	22	326.0	336.0	100	43	546.5	556.0	100																		
2			0	23	336.0	347.0	91	44	556.5	566.0	95																		
3			0	24	347.0	357.0	100	45	566.0	573.7	100																		
4			0	25	357.0	367.0	100																						
5	148.0	164.0	63	26	367.0	377.0	100																						
6	164.0	174.5	95	27	377.0	390.0	77																						
7	174.5	184.5	100	28	390.0	401.0	0																						
8	184.5	195.0	100	29	401.0	412.5	87																						
9	195.0	206.0	91	30	412.5	423.0	87																						
10			0	31	423.0	433.0	100																						
11			0	32	433.0	443.5	95																						
12			0	33	443.5	452.0	100																						
13	234.0	245.0	91	34	452.0	464.0	83																						
14	245.0	254.5	0	35	464.0	474.0	100																						
15	254.5	265.0	95	36	474.0	484.0	100																						
16	265.0	275.0	0	37			0																						
17	275.0	286.0	91	38			0																						
18	286.0	295.5	100	39	505.0	515.0	100																						
19	295.5	306.0	0	40	515.0	525.0	0																						
20	306.0	316.0	100	41	525.0	535.0	100																						
21	316.0	326.0	100	42	535.0	546.5	0																						

METALLIC MINERALS SURVEY PHASE II
CIDA PROJECT 504/12713
DIAMOND DRILL LOG

HOLE NUMBER: CON-2 SUMMARY LOG

FROM	TO	DESCRIPTION	No	%SUL	FROM	TO	TOTAL	ANALYSES										
								Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
0	148.0	CORE MISSING (Information comes from GE & SL log)																
0	70.0	No recovery Porphyritic intrusive. Ave. 0.1% Cu																
90.0	100.0	Granitic intrusive Ave. 1.0% Cu																
100.0	130.0	Andesite(?) Ave. 0.4% Cu																
130.0	148.0	Feldspar porphyry Ave. 0.2% Cu																
148.0	573.7	GRANODIORITE Max. sulphide 14%. Cu >0.1% from 151.0-206.0(+), 239.0-446.0, 451.0-479.0, 505.0-551.5, 561.0-566.0, 571.0-573.7; >0.5% from 159.0-206.0(+), 239.0-275.8,426.0-431.0; >1.0% from 164.0-179.0, 184.0-189.0, 244.0-245.0(+). Au >0.1 g/t from 151.0-206.0(+), 239.0-406.0; >0.5g/t from 159.0-206.0(+), 239.0-275.8; >1.0 g/t from 159.0-189.0, 199.0-203.0, 244.0-245.0(+); >2.0 g/t from 244.0-245.0(+) Magnetic susceptibility >50 gammas (~5% magnetite) from 311.0-406.0, 431.0-479.0, 510.0-515.0; >100 gammas (~10% magnetite) from 311.0-316.0, 336.0-361.0, 451.0-456.0, 461.0-469.0, 510.0-515.0																
	573.7	END OF HOLE																

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FROM	TO	DESCRIPTION
0	148.0	CORE MISSING
148.0	573.7	GRANODIORITE Composition varies from granodiorite to diorite. Porphyritic over most of intersection. Grey to pale grey to pale green. Most mineral grains are <0.1mm; some phenocrysts are as large as 2mm, though most are <0.5mm. Coarser-grained varieties intersected between 410.5 and 469.0, and 525.0 and 573.7; transitions between these varieties are gradational. Modal percents At 155.0: White feldspar phenocrysts 30%; White feldspar groundmass 30%; Quartz 30%; Biotite 9%; Magnetite 1% At 168.0: Chlorite 20%; Pale grey matrix 80% At 240.0: White feldspar phenocrysts 50%; White feldspar groundmass 40%; Quartz phenocrysts 5%; Chlorite (after biotite?) 5% At 370.0: White feldspar 80-90%; Chlorite 0-10%; Magnetite 10% At 415.0: White feldspar phenocrysts 20%; White feldspar groundmass 70%; Quartz Trace; Chlorite 10% At 530.0: White feldspar phenocrysts 65%; White feldspar groundmass 20%; Chlorite 10%; Magnetite 5% XRD Scans At 66.0: plagioclase, quartz, chlorite, minor sericite, pyrite At 87.0: plagioclase, quartz, minor sericite, minor pyrite, minor chalcopyrite At 141.0: albite, quartz, abundant chlorite, minor sericite, minor k-spar, pyrite At 166.0: minor plagioclase, quartz, abundant chlorite, minor sericite, pyrite, minor chalcopyrite At 178.0: plagioclase, quartz, abundant chlorite, sericite, minor carbonate, k-spar, pyrite

No	% SUL	FROM	TO	TOTAL	ANALYSES										
					Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
C066	1	148.0	151.0	3.0	81	0.3	603	9	28	0.6	<5	<2	<0.2	<5	<5
C067	Tr	151.0	159.0	8.0	317	0.7	3267	18	106	<5	5	4	0.5	<5	<5
C068	10	159.0	164.0	5.0	1510	0.8	9080	8	29	1.5	<5	3	0.4	<5	7.0
C069	10	164.0	169.0	5.0	1140	0.8	10085	13	28	1.1	<5	3	0.4	<5	18.0
C070	10	169.0	174.6	5.6	1680	0.6	11503	14	29	1.7	<5	<2	0.3	<5	15.0
C071	10	174.6	179.0	4.4	1490	0.9	10262	17	28	0.8	<5	<2	0.2	<5	11.0
C073	10	179.0	184.0	5.0	1530	1.3	9783	6	58	1.8	<5	<2	<0.2	27	17.0
C074	6	184.0	189.0	5.0	1480	1.4	10493	5	45	1.9	<5	3	0.2	12	15.0
C075	5	189.0	194.0	5.0	708	0.9	8592	2	62	2.8	<5	6	0.4	27	16.0
C076	5	194.0	199.0	5.0	616	0.4	8063	2	60	2.3	<5	<2	0.3	15	15.0
C077	5	199.0	203.0	4.0	1100	0.8	7399	2	54	1.5	<5	2	<0.2	30	10.0
C078	5	203.0	206.0	3.0	797	0.4	6733	3	53	1.7	<5	4	0.3	12	13.0
C079	1	234.0	239.0	5.0	59	0.2	659	8	37	<0.5	<5	<2	<0.2	12	<5
C080	5	239.0	244.0	5.0	681	0.9	5443	2	39	0.8	<5	5	0.3	5	6.0
C082	7	244.0	245.0	1.0	2730	1.9	12446	4	55	1.3	<5	<2	0.4	38	9.0
C083	8	254.5	260.0	5.5	580	0.7	6066	3	43	0.8	<5	<2	<0.2	12	6.0
C084	8	260.0	265.0	5.0	772	0.9	7032	2	55	1.0	<5	2	0.3	12	11.0
C085	5	275.0	275.8	0.8	713	0.7	7074	5	60	0.9	<5	3	0.3	22	12.0
C086	0.5	275.8	280.0	4.2	286	0.3	3359	5	52	1.4	<5	<2	0.2	6	<5
C087	0.5	280.0	285.0	5.0	139	0.4	1544	2	53	1.1	<5	<2	0.6	5	<5
C088	1	285.0	290.0	5.0	104	0.2	1109	8	52	<0.5	<5	2	0.3	6	<5
C089	2	290.0	293.6	3.6	216	1.0	2291	4	59	0.9	14	<2	<0.2	5	<5
C090	10	293.6	295.5	1.9	358	0.3	3542	6	52	<0.5	<5	<2	<0.2	7	6.0
C092	7	306.0	311.0	5.0	409	1.0	3945	3	43	1.5	<5	5	0.5	9	9.0
C093	7	311.0	316.0	5.0	293	0.5	2194	2	54	1.6	<5	<2	0.2	<5	5.0
C094	10	316.0	321.0	5.0	330	0.8	3553	5	46	1.3	<5	<2	0.3	14	9.0
C095	10	321.0	326.0	5.0	388	0.5	2407	8	52	0.6	<5	<2	0.3	<5	9.0
C096	10	326.0	331.0	5.0	497	0.6	4033	2	55	1.0	<5	<2	0.2	<5	9.0
C097	10	331.0	336.0	5.0	290	0.9	1999	7	61	0.9	<5	<2	0.2	<5	<5
C098	9	336.0	341.0	5.0	417	0.7	2789	2	56	<0.5	<5	5	<0.2	<5	10.0
C099	8	341.0	346.0	5.0	261	1.2	2124	2	65	1.0	<5	<2	<0.2	5	<5
C100	9	346.0	351.0	5.0	221	0.9	2292	6	58	1.3	<5	<2	<0.2	<5	8.0
C102	10	351.0	356.0	5.0	197	0.6	1250	4	73	1.4	<5	2	<0.2	<5	<5
C103	10	356.0	361.0	5.0	238	1.1	1776	5	74	2.1	<5	<2	0.2	<5	<5
C104	10	361.0	366.0	5.0	240	0.7	2126	2	66	1.2	<5	3	<0.2	6	10.0
C105	10	366.0	371.0	5.0	301	0.6	2818	4	63	1.2	<5	4	<0.2	<5	11.0
C106	10	371.0	376.0	5.0	337	0.3	2272	2	50	0.9	<5	<2	<0.2	5	12.0
C107	13	376.0	381.0	5.0	326	0.9	2959	2	48	0.7	<5	7	<0.2	<5	10.0
C108	14	381.0	386.0	5.0	240	0.6	2739	4	58	<0.5	<5	2	0.2	<5	<5
C109	12	386.0	390.0	4.0	162	0.6	2139	2	55	5.4	<5	<2	0.2	<5	6.0
C110	12	401.0	406.0	5.0	184	0.3	2070	23	89	5.2	<5	6	0.5	10	7.0
C112	12	406.0	411.0	5.0	75	0.4	2381	65	145	5.3	<5	9	2.6	5	<5
C113	7	411.0	416.0	5.0	86	0.5	2710	9	70	4.0	<5	3	0.7	<5	7.0
C114	5	416.0	421.0	5.0	65	0.2	2658	5	78	4.6	<5	9	0.7	10	<5
C115	5	421.0	426.0	5.0	71	<0.2	2756	22	85	4.4	<5	6	0.6	<5	7.0
C116	1	426.0	431.0	5.0	7	1.3	5202	14	102	5.6	<5	2	1.0	36	<5
C117	2	431.0	436.0	5.0	91	0.7	4968	5	100	4.9	<5	4	0.6	<5	10.0
C118	3	436.0	441.0	5.0	55	0.6	2557	9	81	3.0	<5	4	0.5	<5	7.0
C119	Tr	441.0	446.0	5.0	41	0.3	1544	12	125	3.7	<5	2	0.6	12	9.0
C120	Tr	446.0	451.0	5.0	23	0.3	514	8	133	3.4	<5	<2	0.5	8	<5
C122	Tr	451.0	456.0	5.0	38	<0.2	2625	5	122	3.7	<5	2	0.8	20	10.0

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FROM	TO	DESCRIPTION
		At 249.0: albite, chlorite, sericite, carbonate, minor k-spar, pyrite At 283.0: oligoclase, quartz, abundant chlorite, abundant sericite, trace carbonate, trace k-spar, pyrite At 305.0: quartz, chlorite, abundant carbonate, abundant pyrite At 400.0: albite, quartz, abundant chlorite, sericite, minor carbonate, pyrite, minor chalcopyrite At 428.0: minor plagioclase, quartz, minor biotite, abundant chlorite, abundant carbonate At 436.0 (vein): abundant quartz, chlorite, abundant chalcopyrite At 548.0: andesine, quartz, biotite, abundant chlorite, k-spar, pyrite, chalcopyrite 391.0-391.3 Porphyritic quartz-diorite dike 532.6-533.8 Andesite xenolith Fault zone with almost no core recovery from 148.0-151.0. Other zones of broken ground from 193.7-195.0, 234.0-238.5, 383.8-384.8, 415.0-416.2, 467.0-468.0, 573.2-573.7 Slickensides at 468.0 at 90° to CA. Alteration Texture of rock is largely obscured by pervasive silicification from 159.0-275.8 and 293.6-295.5+ (lower contact in lost corebox). Rock in these zones has the appearance of felsic volcaniclastic, though vestigial phenocrysts can be identified under binocular microscope. 160.8-161.2: 10% light brown patches, up to 3mm. 161.3-161.4: zeolite crystals, probably grown on core since drilling. 193.0-193.2 and 383.8-384.8: Very clayey broken ground; may be argillic alteration, or fault gouge. 238.8-239.3: 1cm vein of intense silicification, pervading rock as far as 244.2, where it dissipates into veins. Pinkish discoloration, with dark green mottles of chlorite, from 288.5-289.1 and 292.8-293.4 Silicification from 239.3-245.0 and 247.0-265.0, 315.0-316.0, 344.0-345.3, 349.2-349.8, 361.1-363.1, 377.0-412.5, 415.0-416.2 (with hematite), 423.0-433.0, 451.0-464.0, 474.0-484.0, 505.0-515.0, 533.8-535.0. Silicification can be pervasive or in veins sub-parallel to CA, often with a thin inner selvedge of chlorite and lined with sulphide and magnetite (magnetite only below 441.0) Patches of chlorite, in pale grey to white matrix, at 316.0-326.0, 336.9-338.0, 401.9 (with hematite), 434.0-442.6 (with sulphide).

No	% SUL	FROM	TO	TOTAL	ANALYSES										
					Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
C123	Tr	456.0	461.0	5.0	37	0.8	2936	5	126	3.9	<5	<2	0.6	18	9.0
C124	Tr	461.0	466.0	5.0	37	0.2	2829	6	118	3.1	<5	3	0.7	<5	7.0
C125	Tr	466.0	469.0	5.0	45	0.2	2507	3	155	3.8	<5	2	0.6	<5	<5
C126	Tr	469.0	474.0	5.0	68	0.6	1398	9	88	1.4	<5	20	0.6	32	<5
C127	Tr	474.0	479.0	5.0	59	1.1	2177	4	138	2.6	<5	4	0.5	<5	<5
C128	Tr	479.0	484.0	5.0	44	<0.2	81	9	58	<0.5	<5	11	0.7	<5	<5
C130	Tr	505.0	510.0	5.0	38	0.6	3732	2	150	2.9	<5	<2	0.3	<5	<5
C131	Tr	510.0	515.0	5.0	77	1.2	2389	7	124	2.0	<5	<2	0.4	30	<5
C132	Tr	525.0	530.0	5.0	68	0.6	1920	5	146	0.8	6	3	0.4	<5	<5
C133	Tr	530.0	532.6	2.6	39	0.5	1333	8	113	0.5	<5	<2	0.6	<5	<5
C134	Tr	532.6	533.8	1.2	32	0.4	3542	8	138	1.3	<5	<2	0.4	10	<5
C135	Tr	533.8	535.0	1.2	90	0.5	1390	4	67	1.5	<5	<2	0.3	<5	<5
C136	1	546.5	551.5	5.0	60	<0.2	1312	5	62	0.7	<5	2	0.4	<5	<5
C137	Tr	551.5	556.5	5.0	20	<0.2	737	7	99	0.9	<5	4	0.7	13	<5
C138	Tr	556.5	561.0	4.5	29	0.2	907	3	59	0.7	<5	2	0.4	11	<5
C139	Tr	561.0	566.0	5.0	34	0.9	1098	6	61	1.9	<5	3	0.4	20	<5
C140	Tr	566.0	571.0	5.0	22	0.2	958	6	66	0.7	<5	4	1.0	<5	<5
C142	Tr	571.0	573.7	2.7	31	<0.2	1352	6	75	0.5	<5	3	0.8	<5	<5

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FROM	TO	DESCRIPTION	No	% SUL	FROM	TO	TOTAL	ANALYSES										
								Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
		Mineralization Disseminated Py is ubiquitous to 441.0, to levels of about 2%. 164.0-185.0: Py veins, accompanied by Mt. Veins often contain quartz, sometimes vuggy e.g. at 168.6. No carbonate. Most veins are <10° to CA except 177.0-179.5, where some are perpendicular. Veining continues with less intensity to 206.0, after which core is missing. 239.3-265.0 Py in silicified zones, assoc. with Mt in veins. Mt is not present as dissemination. Sulphide tenor is not affected by decrease in silicification intensity at 244.2 275.8-286.0: Py on crack surfaces with Mt. Py reaches 5% in altered zones, 1% elsewhere. 306.0-316.0: Py and Mt in <1mm veinlets, mostly <20° to CA. Sulphide persists through hematitic zone. 316.0-442.3 Py in <5mm veins with Mt and carbonate. Veins <5° to CA. Sulphide tenor decreases to zero at 442.6. 1cm Py vein at 349.2-349.8, assoc. with silicified zone. Cpy occurring with Py at 161.9, 168.0-169.0 Mt tenor increases from 401.0 onwards, to 5% at 430.0. Mt >5% over interval from 442.3-527.7, reaching 10% at 451.5-452.0. Py reappears at 527.7 and persists to end of hole at 573.7. Mt veinlets persist to 556.5, though rock remains magnetic to end of hole. Hematite occurs at 422.8, 429.0, 429.5, 436.1, 467.0, 468.0-468.3, 475.6, 476.4, assoc. with Mt and Py in veins (with Mt only after 442.6). Two 2mm carbonate veins at 371.2, 70° to CA. Broken carbonate mineral from vein at 473.9 is at least 8mm thick. 478.4 1mm carbonate-hematite vein 482.6 Fragment cut by numerous carbonate veins at 80-90° to CA. One vein has core of pink non-effervescent material; may be jaspilitic amorphous silica. 561.0-563.0 Several 1mm carbonate veins, 20° to CA.															
	573.7	END OF HOLE																