METALLIC MINERALS SURVEY
CIDA PROJECT 504/12713
DIAMOND DRILL LOG

HOLE NUMBER: CON - 8

PROJECT BELLAS GATE	JMG COORDINATES	UNIT OF MEASUREMENT Feet	DATE STARTED 17/4/70
PARISH ST. CATHERINE	GRID COORDINATES -	NUMBER OF SAMPLES 93	DATE FINISHED 28/4/70
LOCATION CONNORS	ELEVATION (Metres) 440	FOOTAGE SAMPLED 386.9	CORE SIZE TNX/NQWL
EPL NUMBER 400	AZIMUTH 045°	TOTAL DEPTH 416.9	DRILLED BY D.P.I (UK)
EPL HOLDER TREVCORP LTD.	INCLINATION -60		LOGGED BY S. Amor

NOTES: Core relogged and sampled by SA in October 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.

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	3	42.4	63	23	228.4	236.10	?																					
2		62.0	39	24	236.10	246.0	?																					
3		73.0	82	25	246.0	255.0	100																					
4	0.0	79.4	100	26	255.0	267.0	100																					
5	42.4	85.6	100	27	267.0	276.4	100																					
6	62.0	90.11	100	28	276.4	285.0	75																					
7	73.0	92.2	100	29	285.0	293.0	100																					
8	79.4	104.0	100	30	293.0	303.6	100																					
9	85.6	112.0	100	31	303.6	312.6	100																					
10	90.11	119.11	100	32	312.6	321.6	100																					
11	97.2	129.3	100	33	321.6	328.9	100																					
12	104.0	137.10	100	34	328.9	337.6	100																					
13	112.0	147.7	64	35	337.6	346.0	100																					
14	119.11	156.6	89	36	346.0	354.0	100																					
15	129.3	165.8	100	37	354.0	362.0	100																					
16	137.10	174.4	100	38	362.0	371.11	100																					
17	147.7	183.10	100	39	371.11	381.10	100																					
18	156.6	192.10	100	40	381.10	389.4	100																					
19	165.8	202.6	100	41	389.4	399.0	100																					
20	174.4	211.6	91	42	399.0	408.0	100																					
21	183.10	?	100	43	408.0	415.11	100																					
22	192.10	228.4	100																									
	202.6																											
	211.6																											
	?																											

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FROM	TO	DESCRIPTION	No	% SUL	FROM	TO	TOTAL	ANALYSES										
								Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
30.0	42.9	ANDESITE Maximum 0.5% sulphide Cu > 0.1% throughout interval																
42.9	110.0	GRANODIORITE Maximum 1% sulphide Cu >0.1% from 42.9-78.1, 83.9-94.0, 95.7-100.0 and 109.0-110.0 Ag 23.4 ppm from 78.1-83.9 Pb 330 ppm from 78.1-83.9																
110.0	111.0	ANDESITE 0.5% sulphide Magnetic susceptibility 89 gammas (5-10% magnetite)																
111.0	115.0	GRANODIORITE Maximum 0.5% sulphide Cu >0.1% throughout interval																
137.0	137.9	ANDESITE Maximum 0.5% sulphide																
137.0	137.9	FAULT GOUGE No sulphide																
137.9	259.0	ANDESITE Maximum 1% sulphide Cu >0.1% from 143.0-153.0,158.0-173.0, 202.0-212.0, 222.0-227.0. Ag 17.8 ppm from 207.0-212.0, 105 ppm from 222.0-227.0 Pb 275 ppm from 207.0-212.0, 223 ppm from 222.0-227.0 Magnetic susceptibility >50 gammas (~5% magnetite) from 168.0-173.0, 183.0-188.0, 207.0-212.0, 244.0-249.0																
259.0	272.3	GRANODIORITE Maximum 2% sulphide Ag 4.7 ppm from 261.0-266.0																
272.3	324.0	FELSIC VOLCANICLASTIC Maximum 2% sulphide Pb 269 ppm from 261.0-266.0																
324.0	335.5	GRANODIORITE Trace sulphide																
335.5	338.0	FELSIC VOLCANICLASTIC Trace sulphide																
338.0	346.5	GRANODIORITE Trace sulphide Cu >0.1% from 343.0-346.5																

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								Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
30.0	42.9	ANDESITE Porphyritic. Starts highly weathered, assuming greater competence below 39.0. Entire interval has a "dusty" feel, suggesting incipient argillic alteration. Locally weakly magnetic; magnetite-sulphide veins noticeable below 38.3. Chlorite patches from 41.9-42.4.	C704	0	30.0	35.0	5.0	20	0.5	1434	13	78	0.7	<5	<2	0.4	<5	<5
			C705	Tr	35.0	38.3	3.3	59	0.3	2630	14	69	0.8	7	<2	0.5	<5	<5
			C706	0.5	38.3	42.9	4.6	22	0.4	3929	14	82	1.0	<5	2	0.7	<5	<5
42.9	110.0	GRANODIORITE Extremely weathered and crumbly from ~45.0-~55.0. Very broken from 75.0-76.0. Colour varies from pink to speckledy green.	C707	0	42.9	45.0	2.1	33	0.5	1910	20	96	<2	6	5	<2	<5	<5
			C709	0	45.0	50.0	5.0	8	0.7	1484	21	133	0.6	<5	4	<2	<5	<5
			C710	0	50.0	55.0	5.0	12	0.6	1780	19	82	0.8	8	4	0.4	<5	<5
			C711	0	55.0	60.0	5.0	54	0.8	1342	21	94	0.7	8	<2	0.4	<5	<5
			C712	0	60.0	64.0	4.0	30	0.8	1536	26	117	0.6	<5	<2	0.8	<5	<5
			C713	0	64.0	69.0	5.0	38	0.8	1466	16	140	0.9	<5	<2	1.8	<5	<5
			C714	0	69.0	74.0	5.0	21	0.5	1301	20	122	0.8	6	2	1.6	<5	<5
			C715	0	74.0	76.3	2.3	20	0.5	1082	17	111	0.5	<5	5	2.5	<5	<5
			C716	0	76.3	78.1	1.8	28	0.5	1572	19	66	0.9	31	4	1.5	6	<5
			C717	0	78.1	83.9	5.8	13	23.4	880	330	114	0.7	5	3	0.7	<5	<5
			C718	0	83.9	89.0	5.1	31	0.7	1437	14	130	0.9	10	9	1.6	<5	<5
			C719	Tr	89.0	94.0	5.0	48	0.5	2024	11	92	1.2	26	5	1.2	<5	<5
			C720	0	94.0	95.7	1.7	42	0.4	892	10	92	1.1	22	4	0.7	<5	<5
			C722	0	95.7	100.0	4.3	23	0.3	1302	15	87	0.5	9	3	0.5	<5	<5
			C723	0	100.0	104.3	4.3	14	0.5	488	23	94	0.8	7	<2	0.7	<5	<5
			C724	1	104.3	109.0	4.7	12	0.4	778	19	91	1.1	<5	3	0.5	<5	<5
			C725	1	109.0	110.0	1.0	21	0.2	1222	12	87	0.9	14	5	0.6	<5	<5
		Alteration Chlorite patches, interspersed with pink, from 44.0-~45.0 Onset of greenish discoloration at ~64.0, which develops into distinct greenish patches in white matrix. Some pinkish patches; may be a weathering effect of mafics, as no K-spar is evident. Unaltered interval of competent but very rusty granodiorite from 76.3-78.1 (sharp upper contact). Altered material continues to 95.7; sharp lower contact. A few chlorite veins with symmetrical 1-2mm bleached selvedge, 70° to CA, at 105.0.																
		Mineralization Mt-rich fragment at 69.4. Mt vein at 82.5; concentration of dissem. Mt veins, at 87.5 and 91.1. Veins make angle of 50° to CA. Possible Mc staining on core surface at 85.7-85.8, 90.8-90.9, 91.1. Definite Mc at 105.8-106.5. Dissem. sulphide, poss. Cp, from 104.3-110.0, forming 0.5mm blebs locally coalescing into patches with carbonate. Vein at 121.0 is 20° to CA.																
110.0	111.0	ANDESITE Highly chloritized, but darker in colour than granodiorite above. Numerous discontinuous Mt stringers, locally 5%.	C726	0.5	110.0	111.0	1.0	12	0.3	608	6	110	0.9	17	7	0.6	<5	<5
111.0	115.0	GRANODIORITE Altered throughout; texture obscured by chloritization and accompanying pink colour.	C727	0.5	111.0	115	4.0	45	0.5	1379	15	78	0.7	11	15	0.8	<5	<5
115.0	137.0	ANDESITE Major core loss from 130.0-137.0, though what remains is fairly competent.	C728	0	115.0	118.0	3.0	23	0.5	788	10	96	0.9	13	16	1.5	<5	<5
			C730	0.5	118.0	123.0	5.0	30.0	0.4	794	6	112	1.2	9.0	8	0.7	<5	<5
			C731	Tr	123.0	128.0	5.0	21.0	<2	541	2	111	0.9	<5	6	0.4	<5	<5
			C732	0	128.0	133.3	5.3	24.0	0.3	564	8	106	1.0	<5	<2	0.9	<5	<5
			C733	0	133.2	137.0	3.8	18.0	0.7	654	14	83	1.0	<5	16	1.7	<5	<5
		Alteration Intermittent bleaching to 118.0, and from 122.0-137.0. Bleaching is accompanied by chlorite patches and pinkish discoloration. Unaltered zone between 118.0-122.0 is cross-cut by a few bleached veins, 50° to CA, up to 1cm wide, cored with carbonate bleached vein at 121.0 is 20°to CA.																

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137.0	137.9	FAULT GOUGE Very clayey.
137.9	259.0	ANDESITE Fracture zone, 10° to CA, very rich in fine chlorite and carbonate, at 1494-1504 Minor crushed zone at 152.0. Phenocrysts can be observed in unaltered rock. Colour changes from grey-green to grey-chocolate brown. Aplite dike, 40° to CA, 3cm thick, at 215.0. Aplite dike, 10° to CA, 3cm thick, at 224.3-224.7 <u>Alteration</u> Strongly altered from 137.0-192.0, though minor patches of unaltered rock are present, e.g. at 175.8. Alteration takes form of bleaching along magnetite-cored veins, mostly ~50° to CA; pinkish discoloration between veins, 5mm dark patches. Variegations of dark green in matrix colour. Altered and unaltered rock alternate between 192.0-217.0, below which general alteration strength increases, peaking at 220.0. Alteration ends again at 230.0. Weak to zero alteration from 230.0-253.0 <u>Mineralization</u> Trace Mc at 168.1 Epidote/Mt vein at 188.3 on crack 30° to CA at 249.7 Irregular carbonate veining at 217.8, w/Mt, chlorite and epidote, ~3cm thick, orientation uncertain. Carbonate/Mt/zeolite/epidote vein, 5° to CA at 249.7. Trace sulphide. 230.0-259.0 Sulphide (probably Py) occurs on crack surfaces and in veins cored with chlorite and sulphide, and fringed with bleaching and pink discoloration. Some concentration of sulphide into discrete veins below 240.0, though it seems to die out between 244.3 and 252.7. 253.0 Sulphide/Mt veinlet on broken surface, 35° to CA. 253.0-259.0 Sulphide forms patches with chlorite halo
259.0	272.3	GRANODIORITE Fine-grained, porphyritic. Alteration and mineralization similar to andesite above. Sheared from 261.0-272.3. Calcite/sulphide vein, fringed with chlorite, no Mt, 10° to CA.

No	% SUL	FROM	TO	TOTAL	ANALYSES Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
C734	0	137.0	137.9	0.9	<5	0.3	14	4	57	0.5	<5	3	<0.2	<5	<5
C735	0.5	137.9	143.0	5.1	21	0.2	957	4	90	1.0	13	9	0.7	<5	<5
C736	0.5	143.0	148.0	5.0	92	0.8	1734	19	100	1.4	16	17	0.4	7	<5
C737	Tr	148.0	153.0	5.0	31	0.5	1152	13	96	0.9	13	14	0.6	<5	<5
C738	Tr	153.0	158.0	5.0	23	0.5	584	10	108	1.5	<5	11	<0.2	<5	<5
C739	0	158.0	163.0	5.0	14	0.4	1002	7	108	1.2	<5	12	<0.2	5	<5
C740	0	163.0	168.0	5.0	<5	0.6	1080	14	108	0.9	10	12	<0.2	<5	<5
C743	Tr	168.0	173.0	5.0	25	0.4	1019	9	114	1.4	13	16	0.5	<5	<5
C744	Tr	173.0	178.0	5.0	15	0.7	599	13	98	0.6	16	9	<0.2	6	<5
C745	Tr	178.0	183.0	5.0	41	0.4	889	12	107	1.2	16	10	<0.2	<5	<5
C746	Tr	183.0	188.0	5.0	45	0.4	864	8	91	1.2	8	9	0.5	<5	<5
C747	0	188.0	192.0	4.0	19	0.7	491	11	102	1.0	10	10	0.9	<5	<5
C748	0	192.0	197.0	5.0	14	0.5	330	12	104	0.9	8	12	0.8	<5	<5
C749	Tr	197.0	202.0	5.0	18	0.7	700	10	108	0.9	<5	12	0.5	<5	<5
C750	Tr	202.0	207.0	5.0	32	1.0	1016	41	145	1.4	<5	7	0.5	<5	<5
C751	0	207.0	212.0	5.0	29	17.8	1179	275	131	1.3	<5	8	<0.2	<5	<5
C752	0	212.0	217.0	5.0	<5	0.6	595	9	117	1.0	<5	<2	0.6	<5	<5
C753	0	217.0	222.0	5.0	23	0.4	757	5	144	1.5	10	22	0.8	<5	<5
C754	0	222.0	227.0	5.0	22	10.5	1026	223	140	2.0	9	11	0.7	<5	<5
C755	0	227.0	230.0	3.0	15	0.7	588	14	91	1.2	<5	9	0.9	<5	<5
C756	1	230.0	235.0	5.0	<5	0.8	566	9	63	1.0	<5	<2	<0.2	5	<5
C757	1	235.0	240.0	5.0	26	0.4	648	13	67	0.9	13	13	<0.2	<5	<5
C758	1	240.0	244.3	4.3	28	0.6	345	7	63	1.2	20	3	<0.2	<5	<5
C759	Tr	244.3	249.0	4.7	16	0.4	430	11	99	1.1	<5	10	<0.2	<5	<5
C760	Tr	249.0	252.7	3.7	26	0.5	585	5	100	1.2	8	10	0.5	<5	<5
C762	1	252.7	257.0	4.3	22	0.8	359	30	69	0.7	<5	3	<0.2	<5	5
C763	1	257.0	259.0	2.0	20	0.5	342	9	61	0.9	7	<2	<0.2	<5	<5
C764	2	259.0	261.0	2.0	38	0.2	500	9	50	1.0	<5	3	<0.2	5	<5
C765	2	261.0	266.0	5.0	23	4.7	392	269	51	0.9	<5	<2	<0.2	<5	<5
C766	1	266.0	271.0	5.0	25	0.6	441	15	53	0.5	11	3	0.2	<5	8
C767	0.5	271.0	272.3	1.3	15	0.4	597	13	67	0.9	6	3	0.4	<5	<5

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								Au	Ag	Cu	Pb	Zn	Cd	Mo	As	Sb	Bi	Se
272.3	324.0	FELSIC VOLCANICLASTIC Starts in shear zone; possibly sheared between 277.8 and 280. also. Rock has a distinct banding, generally about 50° to CA, which controls orientation of most veins. Unaltered rock is dark green, altered is pale green. Slickensides at 307.0; 85° to CA. Numerous fractures, 5° to CA, from 316.0-324.0 (possible shear zone). Alteration In general, altered rock is more magnetic than unaltered. Strongly altered from 277.8-312.5 and 316.2-324.0. Sheared and altered zone between 277.8-280.0 is very fractured, soft, pale lime green and contains abundant carbonate. In general, the alteration consists of green patches in a pinkish matrix, but the bedded texture persists. Rock is very clayey at 300.0. Mineralization A few calcite veins, some cored with chlorite and sulphide, some <20° to CA, some following bedding. A little sulphide on crack surfaces throughout interval. Abundant dissem. pyrite in clayey interval at 300.0. Mt seems to accompany alteration; it is not distinctive, though it can sometimes be discerned in the core of veins, e.g. at 390.6. Highly magnetic zone from 303.5-304.3; below this interval, Mt visible in veins which follow bedding.	C768	3	272.3	277.5	5.2	21	0.9	354	55	87	1.0	<5	5	0.5	<5	<5
			C769	Tr	277.5	280.4	2.9	12	0.7	420	12	90	0.9	<5	<2	0.5	<5	<5
			C771	Tr	280.4	285.0	4.6	11	0.8	508	11	75	0.7	8	4	<0.2	<5	<5
			C772	Tr	285.0	290.0	5.0	27	0.5	767	11	88	1.1	9	7	0.7	<5	<5
			C773	Tr	290.0	295.3	5.3	47	0.7	880	11	64	1.3	18	5	0.3	<5	<5
			C774	0.5	295.3	298.2	2.9	48	1.2	1176	7	82	1.2	11	4	<0.2	<5	8
			C775	0.5	298.2	301.7	3.5	35	<0.2	812	2	28	0.6	11	5	0.3	<5	7
			C776	Tr	301.7	306.0	4.3	15	<0.2	556	7	80	0.8	<5	<2	0.7	<5	<5
			C777	Tr	306.0	311.0	5.0	22	<0.2	558	2	116	0.6	11	6	1.3	<5	<5
			C778	Tr	311.0	312.5	1.5	12	<0.2	632	916	100	0.6	10	7	<0.2	<5	<5
			C779	Tr	312.5	316.2	3.7	<5	<0.2	813	31	110	<0.2	11	3	0.7	<5	<5
			C780	Tr	316.2	321.0	4.8	<5	<0.2	439	17	132	0.7	8	4	1.5	<5	<5
			C782	Tr	321.0	324.0	3.0	<5	<0.2	201	33	106	0.8	39	3	1.3	<5	<5
324.0	335.5	GRANODIORITE Contact occurs within altered and sheared zone; exact location uncertain. Very broken from 326.0-327.0. Less broken, but highly brecciated to base of interval. Mineralization Euhedral calcite and zeolites on cavities.	C783	Tr	324.0	327.0	3.0	<5	<0.2	72	28	100	0.5	18	<2	1.2	<5	<5
			C784	Tr	327.0	332.0	5.0	<5	0.3	65	8	146	0.5	<5	3	1.4	<5	<5
			C785	Tr	332.0	335.5	3.5	8	<0.2	180	6	158	0.8	9	4	1.6	<5	<5
335.5	338.0	FELSIC VOLCANICLASTIC Alteration Highly altered to 337.5, in same style as overlying units Mineralization A few randomly oriented calcite veinlets.	C786	Tr	335.5	338.0	2.5	<5	<0.2	98	2	170	<0.2	17	3	2.2	<5	<5

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338.0	346.5	GRANODIORITE Alteration Highly altered throughout, in same style as overlying units. Mineralization Vugs lined with finely crystalline carbonate. Conspicuous Hm on crack surface at 344.5. Trace Mc at 344.3	C788	Tr	338.0	343.0	5.0	<5	<0.2	496	24	156	0.6	25	3	1.3	<5	<5
			C789	Tr	343.0	346.5	3.5	13	<0.2	1084	2	96	0.9	11	3	0.8	<5	<5
346.5	360.0	ANDESITIC VOLCANICLASTIC Distinguished from overlying granodiorite by 50° bedding. Mostly intensely altered, but unaltered patches, e.g. at 352.0, suggest andesitic composition. Slickensiding at 357.0, 85° to CA. Very broken ground from 359.0-360.0.	C790	Tr	346.5	351.0	4.5	<5	<0.2	316	7	132	0.5	<5	3	1.5	<5	<5
			C791	Tr	351.0	356.0	5.0	<5	<0.2	283	2	132	0.8	<5	7	1.9	<5	<5
			C792	Tr	356.0	360.0	4.0	<5	<0.2	193	10	177	<0.2	19	5	2.9	<5	<5
360.0	371.1	GRANODIORITE Strongly altered at contact, though alteration dissipates and rock is relatively unaltered (greenish in colour) from 362 onwards.	C793	0	360.0	362.0	2.0	<5	<0.2	49	8	128	0.5	11	5	2.4	<5	<5
			C794	0	362.0	367.0	5.0	<5	<0.2	10	17	91	0.6	<5	7	2.1	<5	<5
			C795	0	367.0	371.1	4.1	<5	<0.2	60	2	164	1.3	<5	5	2.1	<5	<5
371.1	374.0	ANDESITIC VOLCANICLASTIC Weakly altered throughout.	C796	0	371.1	374.0	2.9	<5	<0.2	129	2	162	<0.2	9	4	1.3	<5	<5
374.0	416.9	GRANODIORITE Pale green in colour. Progressive increase in grain size; fine enough to be extrusive at top, but feldspar phenocrysts are >1cm in coarsest variety. Very broken, and rather clayey, from 401.5-404.6; powdery calcite on surfaces. Otherwise, unaltered throughout; no sulphide mineralization. Mineralization Greasy limonitic surface from 397.0-402.0.	C797	0	374.0	378.5	4.5	7	<0.2	103	2	141	0.8	<5	5	1.6	<5	<5
			C798	0	378.5	382.0	3.5	7	<0.2	17	5	148	1.2	<5	<2	2.0	<5	<5
			C799	0	382.0	387.0	5.0	5	0.2	21	8	133	0.6	<5	4	2.1	<5	<5
			C800	0	387.0	392.0	5.0	<5	0.3	23	6	103	0.7	<5	5	1.8	<5	<5
			C802	0	392.0	397.0	5.0	<5	<0.2	13	3	121	<0.2	<5	4	2.0	<5	<5
			C803	0	397.0	402.0	5.0	<5	<0.2	19	10	137	<0.2	<5	4	2.3	<5	<5
			C804	0	402.0	407.0	5.0	<5	0.6	12	3	84	<0.2	<5	4	1.4	<5	<5
			C805	0	407.0	412.0	5.0	<5	0.3	8	2	83	<0.2	<5	2	1.6	<5	<5
			C806	0	412.0	416.9	4.9	<5	<0.2	9	2	78	<0.2	<5	3	1.4	<5	<5
	416.9	END OF HOLE																