

**GEOLOGICAL CONSULTANTS LTD.
DIAMOND DRILL CORE LOG**

Sheet No. 1

LATITUDE _____
DEPARTURE 5900 S 300 W
ELEVATION ≈ 224 m
DIP AT COLLAR -45°
BEARING 125°
TOTAL DEPTH 266.0 m CORE SIZE NQ
REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
<u>266.0</u>	<u>-44°</u>	<u>(Compass not locking)</u>	

Project No. G-4746 Hole No. DP-99-01
Property Dawes Pond
NTS 1:2H/1 Grid Name _____
Date started 09/08/99 Completed 12/08/99
Contractor Petro Drilling
Logged by J. Harris

Depth & Lithology	Description	Alteration	Mineralization
0 - 6.7 m	Overburden		
6.7 - 15.45 m	Mafic intrusive fine to medium grained, black to dark green weakly magnetic weakly chilled contact @ 15.45 m		
15.45 - 83.0 m	Altered felsic volcanic, quartz-sericite schist light grey, well foliated to banded, commonly @ 65 - 75° to the core, but locally kinked and folded mainly quartz and sericite and/or muscovite with flecks of chlorite and soft white clay mineral white quartz bands and veins common 2 or 3 thin fault gouge seams between 18.0 and 20.0 m 37.0 - 50.0 m - commonly pale pink, maybe rhyolite or rhyolite breccia 56.5 - 60.5 m - more chloritic, may be sheared tuff or sediment 60.5 - 62.3 m - grey siliceous boudins, may have been fragmental prior to shearing 62.3 - 64.4 m - sheared tuff or sediment as for 56.5 - 60.5 m 64.4 - 83.0 m - mainly sheared felsic rock, similar to 60.5 - 62.3 m, grey siliceous bands and boudins with wispy bands of chlorite, sericite and muscovite gradational contact	strong quartz-sericite ± chlorite alteration thin chlorite bands more common below 29.0 m	15.45 - 30.0 m - about 1-2% disseminated pyrite, locally 3-5% minor chalcopyrite with disseminated hematite @ 15.7 m small wisps and stringers of white and pale pink barite? rare disseminated sphalerite?, 29.0 - 30.0 m 30.0 - 82.0 m - minor pyrite 82.0 - 83.0 m - 1-2% pyrite

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Sheet No. 2

Depth & Lithology	Description	Alteration	Mineralization
83.0 - 105.0 m	Tuffs or sediments fine grained grey to black, locally buff well foliated to schistose, generally at high angles to the core, but commonly folded mainly silica, chlorite and micas, may be some black carbonaceous material mafic dykes 86.3 - 86.8 m, 89.225 - 89.3 m and 96.5 - 96.9 m, chilled, plag-phyric, unfoliated 87.8 - 88.8 m - buff, felsic tuff gradational contact at 105.0 m	quartz - sericite - chlorite	1 - 3% disseminated pyrite below 86.0 m <1% sphalerite, galena and chalcopryrite disseminated and as thin seams or stringers some with quartz "veins" sphalerite is grey, honey coloured and reddish
105.0 - 117.3 m	Felsic tuff pink and grey, foliated and banded at 60-80° with local kink folding, banding appears to be primary locally fairly common quartz bands and/or veinlets local quartz and feldspar grains gradational contact	moderate quartz - sericite ± chlorite alteration	1-5% disseminated pyrite minor sp, ga and cpy 105.0 - 112.4 m some disseminated and some with later stringers and fractures
117.3 - 162.5 m	Felsic to intermediate tuff or sediment similar to 83.0 - 105.0 m grey to black, well foliated to schistose foliation is commonly folded black chloritic or carbonaceous lamellae some short felsic tuff zones common quartz bands and/or veins ≈ 157 - 162.5 m - felsic tuff, fairly tight packed, pink felsic and grey silica grains - could be broken layers sharp contact @ 70° to the core @ 162.5 m	quartz - sericite ± chlorite	2-3% disseminated cubes of pyrite rare sphalerite, i.e. 126 - 126.5 m
162.5 - 187.7 m	Mafic tuff dark green, well foliated and banded @ 65 - 75° to the core, may be in part sheared basalt some felsic to intermediate interbeds thin wisps and bands of calcite and quartz - calcite local quartz veining 175.5 - 176.6 m - fine grained, cherty - iron formation 179.6 - 180.5 m - chilled black mafic dyke, coarse plagioclase phenos	weak to moderate chloritic alteration local sericitic alteration black chloritic alteration with pyrite local clots and thin bands of epidote	1-2% pyrite, mainly concentrated in discrete bands 164.2 - 164.4 m - 1-2% pyrite, 1-3% magnetite and minor cpy 175.5 - 176.6 m - >10% magnetite, 1-2% pyrite minor chalcopryrite
187.7 - 222.1 m	Felsic to intermediate tuffs grey and grey green, some mafic tuff interbeds near 187.7 m - similar to units above well foliated to banded @ 75-80° to the core less small scale folding than above common black "chlorite"? wisps and bands 193.4 - 193.6 m - mafic dyke - also 195.35 - 195.6 m stronger shearing over lower 1 m	moderate quartz - sericite chlorite alteration	2-5% disseminated pyrite, mainly as fairly coarse blebs and cubes commonly associated with chlorite below ≈ 201.0 m 2-3% pyrite

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Sheet No. 3

Depth & Lithology	Description	Alteration	Mineralization
222.1 - 223.2 m	Felsic sill or dyke pale pink to green, rhyolitic very fine grained, not foliated strong shear @ 223.2 m		
223.2 - 237.5 m	Mafic volcanic, basalt black to dark green, fine grained common calcite and quartz-calcite veins and stringers moderately foliated locally at various angles to the core	moderately chloritized	223.2 - 236.2 m - rare pyrite 236.2 - 236.5 m - 3-5% py 236.5 - 237.5 m - rare py
237.5 - 242.2 m	Interbedded mafic tuffs and cherty sediments some possible felsic tuff beds dark green, grey-green and brown bedding mainly at 45-55° to the core, but locally almost along core some foliation developed parallel to layering locally		
242.2 - 249.9 m	Felsic to intermediate volcanic, dacite? green to grey-green, fairly hard, fine grained flow or sill plagioclase crystals evident locally local quartz veining - some with k-feldspar minor calcite stringers local weakly developed foliation	local blebs of epidote may be silicified	to 1% disseminated pyrite
249.9 - 255.0 m	Mafic dyke black, fine grained, massive chilled contacts, upper contact cross-cuts weak foliation weakly magnetic		
255.0 - 262.0 m	Intermediate to felsic tuff could be silicified mafic black to grey, hard, fine grained some grey silica bands and "grains", also some wormy quartz veining 259.8 - 262.0 m - softer, more mafic tuff thin mafic dyke @ 259.8 m minor sericitic shearing @ 262.0 m	possible silicification some chloritic alteration	2 - 3% pyrite
262.0 - 265.2 m	Pink felsic dyke or sill fine grained, massive, unfoliated	weak sericitic alteration	
265.2 - 266.0 m	Mafic tuff dark green to black, soft minor calcite stringers		rare pyrite
	- 266.0 m E.O.H. -		

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GEOLOGICAL CONSULTANTS LTD.
DIAMOND DRILL CORE ASSAYS

SHEET NO. 1 of 1

PROJECT NO. G-4746

HOLE NO. DP-99-01

PROPERTY Dawes Pond

Sample No.	From (metres)	To (metres)	Length (metres)	DESCRIPTION	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	Ba (ppm)
35651	24.0	26.5	2.5	Altered felsic volcanic, 1-2% py	60	-20	55	-0.3		1350
35652	26.5	29.0	2.5	Altered felsic volcanic, 1-2% py	38	197	1090	-0.3		1050
35653	29.0	30.0	1.0	Altered felsic volcanic, 1-2% py	44	389	1200	0.6		1210
35654	86.0	87.8	1.8	felsic tuff?, 1-3% py, minor sp, ga, cpy	69	464	1080	-0.3		1470
35655	87.8	88.8	1.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	249	688	3870	0.6		2420
35656	88.8	91.0	2.2	felsic tuff?, 1-3% py, minor sp, ga, cpy	296	583	4250	0.5		1820
35657	91.0	93.0	2.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	103	575	2990	-0.3		2040
35658	93.0	95.0	2.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	313	711	3750	0.5		2160
35659	95.0	97.0	2.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	150	1210	1180	-0.3		1750
35660	97.0	99.0	2.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	73	762	2230	-0.3		1500
35661	99.0	100.5	1.5	felsic tuff?, 1-3% py, minor sp, ga, cpy	76	397	2220	-0.3		1630
35662	100.5	102.0	1.5	felsic tuff?, 1-3% py, minor sp, ga, cpy	129	475	2560	0.4		1960
35663	102.0	104.0	2.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	23	34	616	-0.3		1350
35664	104.0	106.4	2.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	34	23	1160	-0.3		1860
35665	106.0	108.0	2.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	41	31	1010	-0.3		1530
35666	108.0	110.0	2.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	55	179	1120	-0.3		1290
35667	110.0	112..4	2.4	felsic tuff?, 1-3% py, minor sp, ga, cpy	46	22	909	-0.3		2050
35668	125.5	126.5	1.0	felsic tuff?, 1-3% py, minor sp, ga, cpy	43	-20	653	-0.3		2030
35669	175.5	176.0	0.5	>10% magnetite, minor cpy, 1-3% py	188	-20	216	-0.3		454
35670	191.0	193.0	2.0	felsic tuff, ~ 5% py	27	25	206	-0.3		862
35671	214.0	216.0	2.0	felsic tuff, 1-3% py	-10	-20	67	-0.3		1050
35672	237.5	239.0	1.5	mafic tuff and cherty sediment, ~ 10% sulphide	110	-20	494	-0.3		343
35673	239.0	240.9	1.9	mafic tuff and cherty sediment, ~ 10% sulphide	14	-20	163	-0.3		1540
35674	240.9	242.2	1.3	mafic tuff and cherty sediment, ~ 10% sulphide	73	-20	181	-0.3		637
DUP-35651	24.0	26.5	2.5		77	-20	60	-0.3		1180
DUP-35663	102.0	104.0	2.0		27	28	691	-0.3		1520