

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

Sheet No. 1

LATITUDE _____
DEPARTURE 5200 S 300 W
ELEVATION ≈ 229 m
DIP AT COLLAR -45°
BEARING 130°
TOTAL DEPTH 235.4 m CORE SIZE NQ
REMARKS _____

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
<u>235.4 m</u>	<u>-44°</u>	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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_____	_____	_____	_____

Project No. G-4746 Hole No. DP-99-02
Property Dawes Pond
NTS 12H/1 Grid Name _____
Date started 12/08/99 Completed 15/08/99
Contractor Petro Drilling
Logged by J. Harris - 1999

Depth & Lithology	Description	Alteration	Mineralization
0 - 2.4 m	Overburden		
2.4 - 12.6 m	Mafic volcanic? dark grey-green, sheared and foliated mainly @ 60-80° to the core some mafic dyke zones and veins below 8.0 m strongly sheared with some possible fault breccia between 9.0 and 10.0 m		
12.6 - 46.7 m	Felsic volcanic, sheared and altered light grey to buff some mafic dyke veins to 13.8 m mainly quartz - sericite schist foliation/schistosity @ 70-80° to the core but commonly kink folded 33.6 - 33.75 m - chilled and bleached mafic dyke	strong quartz-sericite ± chlorite alteration	3-6% pyrite, disseminated and in thin bands with 20-30% py minor sphalerite, galena and chalcopyrite along fractures and disseminated, especially 14.0 - 18.0 m cpy locally with pyritic bands, i.e. @ 17.5 m 32.1 - 32.3 m - ≈ 1% cpy, minor sp and ga
46.7 - 54.65 m	Rhyolite sill or dyke - pink, fine grained, hard - a few clear quartz phenos, also flecks of chlorite - not foliated		≈ 1% disseminated pyrite sometimes associated with thin quartz veins and stringers
54.65 - 77.3 m	Altered felsic volcanic (quartz - sericite schist) as above grey to buff well foliated to schistose @ 60-70° to the core, local folding 54.65 - 57.6 m - harder, pinkish colour, rhyolitic	strong quartz - sericite ± chlorite alteration	disseminated hematite locally 54.65 - 61.0 m - 3-5% pyrite 61.0 - 77.3 m - 5-10% pyrite, locally >10%

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Sheet No. 2

Depth & Lithology	Description	Alteration	Mineralization
77.3 - 86.5 m	Rhyolite or felsite sill or dyke pink, fine grained, not foliated local flow banding at 50-60° to the core down to 80.5 m		minor pyrite on fractures
86.5 - 94.3 m	Altered felsic as for 54.6 - 77.3 m	strong quartz - sericite - chloritic alteration chlorite - pyrite bands and stringers	4 - 8% pyrite
94.3 - 102.5 m	Mafic dyke, moderately magnetic 94.3 - 95.7 m - chilled black mafic dyke 95.7 - 97.1 m - altered felsic inclusion 97.1 - 102.5 m - mafic dyke, chilled contacts, fine grained centrally		
102.5 - 115.3 m	Felsic volcanic, altered pink to buff, foliated appears to be thermally metamorphosed by the dyke 107.0 - 109.5 m and 112.1 - 112.3 m contains dark green to black chloritic bands - mafic volcanic or sediments?	quartz - sericite - chlorite alteration	≈ 1% pyrite minor cpy @ 107.4 - 107.5 m
115.3 - 118.4 m	Rhyolite sill or dyke fine grained, pink, flow banded @ 35 - 45° to the core		
118.4 - 122.3 m	Felsic volcanic, as for 102.5 - 115.3 m	quartz-sericite ± chlorite alteration	≈ 1% pyrite - minor pyrite stringers
122.3 - 129.5 m	Interbanded mafic and felsic "flows" mafic are dark green and chloritic, moderately foliated @ 65-75° to the core felsics are grey to pink and rhyolitic, may be tuffaceous locally 126.3 - 128.6 m - may be felsic tuff 128.6 - 129.5 m - mafic tuff?	moderate chloritic alteration of mafics moderate quartz-sericite alteration of felsics may be related to shearing	1-2% pyrite, disseminated in felsics and as disseminated blebs and with calcite stringers in mafics
129.5 - 132.1 m	Felsic tuff pink to grey, fine grained granular appearance some narrow rhyolitic bands foliated to locally banded @ 75-80° to the core	weak to moderate quartz-sericite- chlorite alteration	
132.1 - 139.7 m	Mafic volcanic dark green, chloritic, moderately foliated @ 40-45° to the core common wispy calcite stringers	local chloritic alteration with pyrite	≈ 1% pyrite, often associated with black chlorite

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Sheet No. 3

Depth & Lithology	Description	Alteration	Mineralization
139.7 - 147.9 m	Felsic volcanic grey and locally pink, rhyolitic a few thin, chloritic, mafic bands local thin layering, flow banding or bedding? lower meter is fragmental. may be tuffaceous	weak to moderate quartz-sericite alteration local chloritic fractures	generally less than 1% pyrite, locally 1-2%
147.9 - 161.7 m	Interbanded felsic and mafic tuff may be some fine sediments, cherty and carbonaceous grey, black and dark green locally thinly layered and moderately foliated at 50-80° to the core 147.9 - 148.7 m - thinly bedded mafic tuff or sediment with broken thin cherty beds 148.7 - 149.5 m - felsic lithic tuff, grey siliceous fragments in a chloritic matrix 149.5 - 159.8 m - chloritic and cherty siliceous interbands 158.7 - 159.1 m - mafic dyke, foliated with host rock 159.8 - 161.7 m - felsic tuff	local chloritic alteration possible silicification	1-3% pyrite, often concentrated with chlorite 159.8 - 161.7 m - 3-4% py
161.7 - 163.1 m	Mafic dyke chilled, black dyke, not foliated weakly magnetic		
163.1 - 167.0 m	Interbanded felsic tuff, mafic tuff and cherty sediment (as for above dyke) 163.1 - 164.7 m - felsic tuff @ 165.2 m - thin purple cherty beds - weakly magnetic black "chloritic" zones could be sediment		1-2% pyrite in felsic tuff <1% elsewhere disseminated magnetite in thin cherty sediments
167.0 - 174.1 m	Mafic flow? or sill dark green, moderately foliated @ 80-90° to the core flecked with epidote - after feldspar? locally magnetic	local short zones of black chloritic alteration	minor pyrite associated with black chlorite disseminated magnetite locally
174.1 - 177.9 m	Mafic tuff foliated and "layered"? at 75-85° to the core dark green and black may be more altered and foliated equivalent to the above unit	moderate to strong chloritic alteration	1-2% pyrite with black chlorite
177.9 - 188.3 m	Interbanded mafic and felsic tuffs mafic are dark green and black felsics are grey and grey-green with local thin pink rhyolitic bands some bedding at 60-70° to the core some fine sediment or rewashed tuff	local chloritic alteration local quartz sericite alteration	178.9 - 179.6 m 15-20% pyrite elsewhere 1-2% pyrite concentrated in chloritic zones

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Sheet No. 4

Depth & Lithology	Description	Alteration	Mineralization
188.3 - 189.8 m	Mafic dyke grey-black chilled dyke		
189.8 - 193.5 m	Mafic and felsic tuffs, as above light grey, fine grained siliceous felsic tuff chloritic mafic bands sharp contacts between mafic and felsic bands	possible silicification chloritic alteration	1-2% pyrite minor cpy @ 193.0 m
193.5 - 210.0 m	Mafic dyke, fine grained black 195.5 - 195.8 m - inclusion of above unit		local pyrite along fractures ≈ 1% disseminated and on fractures 209.0 - 210.0 m
210.0 - 235.4 m	Felsic tuff light grey green, hard, crystal lithic tuff may be rhyolite locally, between 210.0 and 222.0 m chloritic matrix, low percentage of matrix abundant quartz grains or silicified felsic grains, some white feldspars	possible silicification black chloritic fractures and zones	generally <1% pyrite, disseminated locally 2-3% pyrite with chlorite
	- 235.4 m E.O.H. -		

HOLE NO. DP-99-02

GEOLOGICAL CONSULTANTS LTD.
DIAMOND DRILL CORE ASSAYS

SHEET NO. 1 of 1

PROJECT NO. G-4746

HOLE NO. DP-99-02

PROPERTY Dawes Pond[illegible]