

### Appendix 3.3.2 - Lithology Log

DDH Hole Number		DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04002		109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.
From (m)	To (m)	Map Unit	Major Rock Type	Minor Rock Type	Primary Colour	Secondary Colour	Grainsize	Prim. Texture	Sec. Texture	Notes:
1.2	29.6		Felsic Tuff	Felsic Metavolcan	greenish	grey	fine-medium	laminated		TUFF same unit as in hw/fw of M01; probably a meta felsic to mafic volcanic package, poss with local intrusions; lam 90 deg tca with frequent local well dev cren; 3-5% diss py; local qtz vns p'll to lam; 15% plag.
29.6	49.5		Cherty Quartzite	Mafic schist	grey	brownish	fine-medium	laminated		distinct lith; laminated cherty quartzite wirh bt schist interbeds; bleached, sil'd, chert occurs as alt'n and as rare ribbons; tr-1% diss py with rare gal/cpy; biotite schist occurs as conformable beds; local perv sericite flood.
31	31.4		Mafic Lapilli Tuff	Mafic schist	brown		fine	schistose		Biotite schist.
33.8	39		Mafic Lapilli Tuff	Mafic schist	brown		fine	schistose		Biotite schist.
40.9	41.15		Mafic schist	Mafic schist	brown		fine	schistose		Biotite schist.
41.46	41.6		Mafic schist	Mafic schist	brown		fine	schistose		Biotite schist.
42.9	43.25		Mafic schist	Mafic schist	brown		fine	schistose		Biotite schist.
45.2	45.85		Mafic schist	Mafic schist	brown		fine	schistose		Biotite schist.
49.5	63.1		Felsic Tuff	Mafic Tuff	grey	brown	fine-medium	fragmental	laminated	TUFF - wide variety of textures from thin lam to large fragmental lapilli features; 30% each plag/qtz with acc. biot/chl/ser; same unit as from 1.2m - 29.6m; 2 - 3% diss pyr; str sil'd.
63.1	75.2		Chloritic Schist	Felsic Tuff	grey	green	fine-medium	laminated		chl-qtz-biot-plag schist; well lam 90 deg tca; weak to mod ser/silica alt'n; 10% crser tuffaceous interbeds; 2-3% diss py; locally bleached.
75.2	88.2		Felsic Tuff		grey	grey green	fine-medium	lapilli-tuff	laminated	laminated/bedded @ 80- 90 deg tca; bedding planes defined by chl/biot fol'n; 1-2% diss py; rare sericite; local epidote spotting; becomes finer grained toward lower contact.
88.2	97.8		Ash Tuff	Felsic Tuff	greenish	grey	fine	laminated		fine grained, well laminated/bedded @ 80 deg tca; well sil'd with cherty interbeds becoming more sil'd/cherty toward lower contact; unit is competent-not many fractures.

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97.8	109.4		Mafic Lapilli Tuff	Hornfels	brown	grey	fine-medium	lapilli-tuff	schistose	biotite rich tuff ; 20% small lapilli/fragments gen'l repl with plag; local plag veining; unit is competent; 1% finely diss py; biot flood may represent hornfels type alt'n.