

DRILLING COMPANY J.K.S. 300 Drill		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH 130°	TOTAL FOOTAGE 100.3 m	DIP OF HOLE -45°	PROPERTY NAME Mary March Area (C.B. 2227) (Grid 2005-1)	
DATE HOLE STARTED Sept. 8/82	DATE COMPLETED Sept. 23/82	DATE LOGGED Sept. 10-23	LOGGED BY D. Barbour	CORE SIZE AQ	MAP REFERENCE NO.		LOCATION W400, N1060

FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS				
0	3.4	Overburden	Casing drilled to 4.3 m, pulled								
3.4	3.7	Diabase	Pale green bleached looking (surface weathering effect?) diabase dike with 70° chilled contact at 3.7 m...somewhat silicified.								
3.7	18	Rhyolitic pyroclastic	Orangeish to dark brownish gray colored rhyolitic pyroclastic...fragments of orange to dark brownish rhyolite up to 5 mm size but mostly less than 2 cm...poorly sorted...some quartz phenos in fragments and as tiny fragments in tuffaceous parts...minor fairly altered looking fragments - fairly well foliated with yellowish-pale greenish sericitic material flowing around the fragments...matrix was probably fairly vitric at start...foliation approx. 65°.								
			- approx. 1% disseminated pyrite, both in fragments and more so in matrix.								
			- no visible base metal sulfides								
			- fair amount of fine grained epidote in matrix.								
			- 15 cm diabase dike at 4.7 m								
			- rock fairly broken with some slickensides								
			8.7-18 m...fragments dominantly less than 1 cm, mostly tuffaceous... gradual overall decrease in grain size downhole...rock becomes more strongly foliated with more of the yellowish sericite + epidote matrix which flows around the fragments...1-2% fine diss. py. throughout.								
			- below 11.4 m rock mostly grayish to blackish in color with some sections of fine grained tuff...lose the yellowish sericite-epidote matrix. (12.95-13.1 m)...fine fault breccia...no essential rock change across fault.								

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FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS	
			- Contact at 18 m is sort of gradational into finer grain size but seems to occur fairly quickly at 18 m (core very broken)					
18	26.5	Volcanic Mudstone to Sandstone and Fine Tuff	18-23.2 m...dominantly gray to dark gray colored volcanic silt to fine sandstone and possible tuff...some of the apparant fineness of grain is due to grains being stretched out by the foliation...rock composition is essentially same as above pyroclastic with some small volcanic quartz grains and 1-2% very fine dissem. pyrite. - foliation and possible bedding features are 60-65° to core - rock hard and partly silicified...core broken and recoveries often as low as 50%					
			23.2-26.5 m...overall finer grain size, mostly silty, with more blackish colored rock and some cherty looking sections that under hand lens are granular and just more silicified varieties of silty material. - more silicified sections than above - rock is visibly not as related to pyroclastic as above but can still see volcanic quartz grains and sericite in matrix. - contact at 26.5 m lost in broken core.					
26.5	38.1	Rhyolitic pyroclastic	26.5-29 m...rhyolitic pyroclastic very similar to 3.7-18 m...orangish to gray rhyolitic clasts and greater abundance of volcanic quartz grains than above...fragments dominantly less than 1 cm size and rock largely coarse tuff. - approx. 1% finely dissem. pyrite...possible traces of Pb-Zn sulfides (very fine grained and not positively identified.					

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FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS				
			- scattered grayish more altered looking fragments with stronger pyrite concentrations								
			- not as strongly foliated as first unit...rock very siliceous								
			- gets finer grained (fine ash) near 29 m.								
			29-31.9 m...gray colored fine ash and possibly partly volcanic silt-sand...								
			overall composition similar to above pyroclastic...very siliceous								
			- increase in pyrite to 1-2% finely disseminated								
			- contains a couple of very thin bands of above pyroclastic								
			- contacts lost in broken core but seem vague								
			31.9-38.1m...pyroclastic as above...partly coarse tuff								
			- 1-2% finely dissem. py.								
			- contains a couple of pink altered rhyolite clasts that may contain some galena.								
			- fairly frequent tiny specks of sphalerite (brown) + galena occurring in the matrix; (up to 1 mm size) to 32.6 m...possible traces below this.								
			- greater abundance of somewhat altered very pyritic fragments than in other pyroclastics above								
			- contact is somewhat gradational over 38.1-38.4 m								
38.99.8		Pyroclastic (felsic to Intermediate)	Queer, strongly foliated dark gray pyroclastic... very wispy texture with white wispy, elongate fragments (up to 2 cm size) in the dark gray finer grained matrix...rock may have origionally been fairly glassy...first 2 m contains some volcanic quartz grains both in fragments and matrix but lose them below this...dark color due to chlorite-biotite?								

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			69.9-73.8 m...very fine grained blackish colored silicified felsic tuff, partly possibly bedded at 60° to core...couple of thin bands of gray siliceous mudstone...				
			- below 71.3 m gets gradually coarser into ash tuff with scattered lapilli				
			73.8-76.7 m...coarser lapilli tuff with fragments up to 5 cm size... looks sort of chewed up with good foliation.				
			76.7-79.9 m...fine grained tuff, wacke and siltstone...green colored and for large part looks sort of andesitic...partly very chewed up and looks like it may represent an annealed fault zone...both contacts are in broken core and not distinguishable				
			79.9-99.8 m...grayish colored, wispy textured, elongated, foliated felsic tuff similar to 38.1-50.6 m..parts with much better tuffaceous texture...varies from ash to fine lapilli sized...still approx. 1% finely disseminated pyrite...				
			- below 82.9 m good textured ash tuff; foliated at 55° to core				
			- rock broken				
			- rock very broken below 94.8 m and more so below 98.1 m				
99.8	100.3	Diabase	Fine grained blackish diabase...contacts not cored, and rock very broken.				
			- hole lost at 100.3 m due to caving (fault?)				
			100.3 m END				