

DRILLING COMPANY J.R.S. 300 Drill	COLLAR ELEVATION 186.7	BEARING OF HOLE FROM TRUE NORTH 332	TOTAL FOOTAGE 130.1 m	DIP OF HOLE -46	PROPERTY NAME Mary March Area	MAP REFERENCE NO.	LOCATION E6400, N2087.5
DATE HOLE STARTED May 15, 1982	DATE COMPLETED May 25, 1982	DATE LOGGED May 17-25	LOGGED BY D. Barbour	CORE SIZE AN			

FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS				
0	3	Overburden	Casing drilled to 6.1 m; pulled								
3	7.9	Altered Felsic Fragmental	Gray colored strongly altered fine fragmental or lapilli tuff (fragments generally less than 1 cm size)...alteration is silicification and clay minerals with approx. 5% disseminated pyrite... minor chromium green mica?								
			- some free quartz in places implying felsic origin although there appears to be some mafic fragments								
			- some pumiceous fragments								
			- rock badly fractured with some slickensiding and very thin pug seams								
			- only poor core angles that could be 45° or 0°								
			- traces of chalcopryrite								
			- contact 7.9 m irregular and poorly defined.								
7.9	19.7	Altered Mafic Pyroclastic	Green to grayish colored altered mafic fragmental....possibly pyroclastic and essentially monolithic...fragments mostly less than 2 cm size but up to 20 cm...fragments often contain quartz-calcite-pyrite or quartz-pyrite amygdales...								
			- alteration is chloritization and clay minerals with varying amounts of silicification								
			- 5% pyrite as disseminations and largely tied up in amygdales								
			- traces of cupy., especially concentrated with silicification (most abund. in heavily silicified section 8.8-9.4 m)								
			- rock still badly fractured and broken with some slickensiding and very thin pug seams.								

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FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS				
			- core angles could still be 45° or close to 0°								
			- below 12.2 m fair number of large amygdaler fragments								
			- traces of pale sphalerite, especially in silicified sections								
			- cupy. fairly frequent in amygdales below 12.2 m								
			- contact 19.7 m irregular and poorly defined in broken core.								
19.7	21.9	Felsic-Intermediate Altered Rock?	Grayish strongly altered rock; could still be andesitic...alteration dominantly silicification with sericite and clay minerals...rock possibly tuffaceous								
			- 5-7% disseminated py with traces cupy. and possible barite.								
			- fairly massive and textureless								
			- possible contact at 21.9 m sharp at 45° to core								
			- above probably altered fine grained phase of overlying unit.								
21.9	23.8	Altered Mafic Volcanics	Dark grayish-green highly amygdaler rock; more like a pillow breccia or coarse fragmental...amygdales of quartz-py. + calcite								
			- frequent pyrite-silica veinlets at all angles.								
			- total pyrite content 5-7%								
			- traces cupy.								
			- minor clay mineral alteration.								
23	35.5		Finer fragmental (pyroclastic) with fragments generally less than 6 cm...some fragments more altered than others and all generally more altered looking than the green chlorite matrix.								
			- alteration of fragments generally silicification + clay minerals								

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FOOTAGE FROM	TO	ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS				
				FROM	TO						
			- 5-7% disseminated and veinlet pyrite with traces cupy.								
			- all of this rock still with frequent slickensides and very thin pug seams.								
			26.5-29'...more broken than rest with more abundant slickensides and pug seams.								
			29.3-35.5'...stronger silicification and clay minerals than above...								
			some sections with good fragmental texture (angular 1-4 cm altered fragments)...looks like some of Buchans intermediate footwall...								
			parts of this with up to 10-20% very fine disseminated pyrite								
			34.7-35.5'...fair amount of brecciation and pug								
35.5	35.8		Darker chloritic amygdaler coarser fragmental like 21.9-23.8 m								
35.8	57.85		Finer fragmental similar to 23.8-35.5 m...most of this rock more masked and not as good fragmental texture								
			- silicification and clay minerals dominant alteration								
			- pyrite decreases to 3-5%: still traces cupy								
			- minor calcite								
			- still fractured and broken as rest of rock								
			43.9-44.3 m...fault pug								
			45.7-47.2 m...rock more broken than rest with more abund. slickensides								
			50.3-57.85 m...rock fairly massive and good coring...fragments commonly 2-10 cm size and rock looks a bit more like a flow breccia than a pyroclastic (essentially monolithic)...pyrite approx. 5%...texture from 53.6 m looks more pyroclastic								

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FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS				
			- at 54.6 m first traces of sphal.-galena noted in tiny quartz veinlet...more traces below 54.6 m								
			- at 55.8 m is a 2 cm (amygdale?) of calcite-quartz with 50% pyrite-sphalerite-galena: also some smaller sphalerite-galena rich amygdales								
			- at 56.7 m is a 10-15 mm thick pyrite veinlet								
			- possible core angles approx. 45° to core								
57.85	58.12		Core mostly a 3-4 cm thick veinlet of quartz-pyrite with up to 40% cupy and lesser sphalerite-galena - veinlet identical to siliceous parts of engine house orebody...veinlet runs at 5-10° to core... some chromium green mica in rock near veinlet.								
58.12	58.8		Rock underlying veinlet a fine grained 2-20 mm sized more sedimentary looking fragmental...more altered (clay minerals) than above... contains another 1-3 cm thick pyrite veinlet with minor sphalerite (veinlet 5-10° to core)								
			- contact 58.8 m lost in broken core and thin fault pug seam (1-4 cm thick)								
58.8	59.3		Fine grained chloritic, possibly vitric (tuff?) containing approx. 20% fine grained disseminated pyrite and scattered 2.8 mm pyrite blebs that may be fragments...contact 59.3 m lost in broken core.								

ABITIBI-PRICE MINERAL RESOURCES

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CLAIM NO.

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FOOTAGE FROM	TO	ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS				
				FROM	TO						
59.3	60.3		Altered mafic fragmental similar to 35.8-57.8 m - pyrite content 5-7%...chlorite-clay mineral alteration - 58.6-60.3' m...rock fairly broken with abundant slickensides and thin pug seams...last 25 cm is essentially pug & fault breccia - contact 60.3 m lost in fault bx.								
60.3	73.6		Mafic fragmental...rock now fairly massive and good coring with much less slickensiding - highly amygdaler with coarse fragments...looks more like flow breccia or possible pillow lava - amygdales are quartz and calcite and pyrite - alteration dominantly chlorite with some thin zones of silicification and minor thin zones with some clay minerals - pyrite content 5-10% (dissem. - in amyg. - and in veinlets) - barely traces base metal sulfides 67.8-68.4 m...dominantly fault pug and bx. - contact 73.6 m indistinct (tiny pug seam)								
73.6	86.9		Finer grained indistinct fragmental; more altered with silicification and clay minerals dominant...some possible fine tuff sections...still scattered large amygdaler fragments as above...approx. 5% pyrite content. - more abundant quartz-calcite veining with traces galena-sphalerite-cupy and barite - frequent slickensiding and thin pug seams but good coring								

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FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS				
			- in places some fairly good linear features at 60-70° to core								
			- at 78.9 m is 10 cm with possible bedded pyrite at 60° to core								
			- scattered spots with some chromium green mica								
			- at 81.4 m is 5 cm pyrite band.								
			- at 82.9 m is 8 cm of massive pyrite which is possibly bedded at 65° to core								
			84.4-86.4 m...fine grained fragmental with more distinct texture...								
			fairly abundant pumiceous fragments								
86.9	90.7		Fairly strong silicification and clya minerals with relatively more abundant barite-sphalerite-galena...total 10-15% pyrite								
			88.3-90.5 m...10-20% fine disseminated and bands pyrite which seem to be primary (88.4-88.8 m) is approx. 35-40% fine pyrite which looks primary)								
			- stronger base metal sulfides and barite in places, esp. 89.3-89.7 m								
			- this probably strongest alteration thus far in hole								
			- contact 90.7 m is gradational and indistinct.								
90.7	97.8		Altered mafic fragmental as 73.6-86.9 m...alteration chlorite and silicification and clay minerals								
			- 5-10% pyrite and traces base metals and barite								
			- rock fairly competent with some slickensides and thin pug seams								
			- some grayish anastomosing veinlets in part								
			- contact 97.8 m is gradational								

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97.8	100.9		Grayish strongly altered (clay minerals and silicification) ash tuff of uncertain origin (intermediate?) - 10-20% pyrite with traces base metal sulfides and barite...pyrite largely in bands and may be primary...core angles (poss. bedding) from 45-65° - strong silicification in places - contact 100.9 m indistinct								
100.9	103.5		Grayish gritty altered tuff...intermediate composition??...approx. 5-7% pyrite (dissem.)...contact 103.5 m indistinct with some pug.								
103.5	114.9		Greenish colored altered pyroclastic...some fragments up to 8 cm size but mostly coarse tuff (fine lapilli) - 5-7% pyrite (dissem.) and traces base metal sulfides - some thin gray colored more silicified zones - scattered thin quartz + calcite veinlets carrying anomalous galena-sphalerite - somewhat gritty in places - 109.6-114.9 m...dominantly silicification + sericite + clay mineral alteration...5-10% py...more sphal.-galena than usual... - rock mostly coarse tuff...112.9-114.9 m has some bands of very fine grained py. that may be primary and bedded (50-60° to core) - contact 114.9 m not cored								

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