

DIAMOND DRILLING LOG

ABITIBI-PRICE MINERAL RESOURCES

HOLE NO.

PAGE NO.

BJ-73

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CLAIM NO.

DRILLING COMPANY J.K.S. 300 Drill	COLLAR ELEVATION 172.5	BEARING OF HOLE FROM TRUE NORTH 152°	TOTAL FOOTAGE 169.2 m	DIP OF HOLE -41°	PROPERTY NAME Mary March Area	MAP REFERENCE NO.	LOCATION E6400, N1960
DATE HOLE STARTED June 26, 1982	DATE COMPLETED July 16, 1982	DATE LOGGED June 26 - July 22	LOGGED BY D. Barbour	CORE SIZE AQ			

FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS				
				FROM	TO						
0	6.1	Overburden	Casing drilled to 7.6 m, pulled.								
6.1	24.8	Altered volcanics	6.1-7.7 m...grayish strongly altered volcanic rock, probably tuffaceous...20-30% very fine grained pyrite...rock all crumbly and broken, probably largely from surface weathering...contact 7.7 m not cored.								
			7.7-10.7m...pale gray colored lapilli tuff...alteration dominantly clay minerals and sericite with 1-2% finely dissem. py...rock is flattened and looks like it is smeared out into a good foliation at 40° to core...								
			- rock looks like it may have been very glassy...no free quartz								
			- rock all broken and slickensided with 10.1-10.7 m containing a lot of pug seams and fine fault breccia.								
			- 9.8-10.7 m contains frequent very thin veinlets of deep purple fluorite and white (gypsum?)								
			- contact at 10.7 m not cored.								
			10.7-12 m...strongly altered volcanic similar to 6.1-7.7 m... 25-50% pyrite, mostly as fine dissemination...some wispy possible bedded pyrite at 11.3 m...rock looks tuffaceous...								
			- at 11.7 m is 15 cm. of lapilli tuff with only 5-10% pyrite								
			- at 11.6 m and 11.9 m are 15 cm thick zones of fault pug and breccia.								
			- contact 12 m is in fault pug.								

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FOOTAGE FROM TO	ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS				
			FROM	TO						
		12-15.5 m...lapilli tuff similar to 7.7-10.7 m...clay mineral/sericite alteration dominant...some thin zones containing heavy pyrite...all broken and slickensided with minor pug seams.								
		- contact 15.5 m not cored.								
		15.5-24.8 m...strongly altered and pyritic volcanic...zones 15.5-17.7 m and 19-20.7 m contain 30-70 ^o fine grained pyrite								
		- 17.7-19 m looks like a fine grained mafic pyroclastic with small elongate quartz-filled amygdales.								
		- all broken and slickensided with 15.5-18 m and 19.5-21.3 m being areas of finely broken core with poor core recoveries and some fault pug...some annealed fault breccia from 16.2-17.4 m with pyrite filling in between rock fragments								
		- 21.3-24.8 m is largely lapilli tuff with only 2-5% pyrite...mostly pale grey and altered with some zones as 17.7-19 m.								
		- contact 24.8 m is conformable and looks like the alteration may be gradational into below.								
24.8	35.7	Mafic Volcanic								
		Gray silicified and amygdaler mafic flow or coarse fragmental... (bleached looking)...rock is strongly silicified...color changes from pale gray more altered looking at 24.8 m to darker gray fresher looking by 27.4 m...amyg. are small dark chlorite and minor pinkish calcite at start changing to chalcedony-like silica farther downhole... only traces pyrite...frequent tiny white altered plagioclase.								
		- rock still broken and slickensided but much more competent than 6.1-24.8 m								

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FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS				
			- minor epidote and minor calcite veining								
			- amygdales are flattened								
			- 32.2-32.6 m is very broken and slickensided								
			- contact 35.7 m is chilled.								
35.7	67.5	Diabase Dike	Fine grained blackish massive diabase same as at Buchans...fairly magnetic...some very thin calcite veinlets...fairly abundant, up to 4 mm sized rounded pyrite spots...								
			- frequent slickensiding and fracturing at 0 - 80° to core								
			- below 62.8 m dike gets finer grained								
			- contact at 67.5 m lost in ground and broken core.								
67.5	147.8	Silicified Mafic Volcanics	Gray silicified and amygdaler mafic volcanic as above the dike... fractured and veined with silica and calcite; in places very strongly veined apparantly after fracturing...slickensided and broken...traces pyrite								
			- rock could be flow...bleached looking.								
			71.2-71.9 m...fine tuff horizon...vague mottled texture...glassy in part								
			- contacts not cored.								
			71.9-128.6 m...coarser fragmental (0.5-3 cm)...pyroclastic?... silicified...fragments like rock from 67.5-71.2 m...minor pyrite (up to 2%) in places...some coarser (greater than 10 cm) fragments.								

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FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS				
			- fractured and veined with silica and calcite as above...stronger veined zones at 73.5-74.2 m, look like annealed fault zone.								
			- some good pyroclastic textures in places								
			- at 103.6 m core angles approx. 45° (fragment flattening and elongation)								
			128.6-147.8 m...matrix rich angular pyroclastic ...fairly distinct from above...core angles on fragment orientation are 40-45°...gets bleached looking to a pale greenish-gray color...fairly vitric in places...seems to be gradually picking up the stockwork alteration (gray color; get some pyrite by 139.6 m)								
			- by 143.2 m get approx. 3-4% very finely disseminated pyrite.								
147.8	169.2	Alteration Zone	1. Into good alteration zone; gray, colored, clay minerals and silicification with greater than 3% very finely disseminated pyrite. still pyroclastic as above...minor chromium green mineral.								
			150-152.4 m contains some waxy greenish-yellow clay mineral								
			- some zones of 10% pyrite								
			- most of this zone good pyroclastic with some of the fragments altered before incorporation into the unit.								
			- at 163 m is minor pale yellowish sphalerite and traces of galena								
			- more frequent traces of galena-sphalerite farther downhole.								
			- some of fragments have altered rims.								
			Note: 155-168.5 m...distinctive altered pyroclastic breccia as in end of BJ-74...not as great fragment variety but same unit								
			168.5-169.2 m...gray silicified massive rock...could be flow or fine grained pyroclastic...essentially textureless...3-5% finely diss. py.								
			169.2 m END								