

UTM East: 534603
Grid East: -110+00
Elevation : 151.1m
Dip : -46 deg
Azimuth : 133 deg
Total Depth : 128.8m

UTM North: 5408791
Grid North: -01+49
Claim Number: AND Charter
Core Size: NQ

 Corporation of Canada, Limited
DIAMOND DRILL CORE LOG

Project No: 294 **Hole No.** MM-294-11
Property: Mary March
NTS: 12A/15 **Grid Name:** RIL 2000
Date Started: 18/02/2000 **Completed:** 20/02/2000
Contractor: Logan
Logged by: JG Thurlow

Remarks: Collar is located 25 m at 133 degrees from aluminum tag on shoreline. Casing is pulled. No tropari testing done.

Depth (m)		Major Rock Description			Minor Rock Description				Assays							
From	To	Code	Lithology	Comments	From	To	Code	Comments	From	To	Sample	Cu %	Pb %	Zn %	Ag ppm	Au ppb
39.80	56.03	Bv	Mafic Volcaniclastics	Mafic Volcaniclastics consisting of somewhat more leucocratic, scoriaceous fragments with calcite amygdules in a more melanocratic, chloritic matrix which has epidote spots after plagioclase phenocrysts. Some clasts to 10 cm. Common specks disseminated pyrite. Common minor shears, slickensides and zones of broken core. Minor specks anomalous green alteration. Shearing increases markedly below 53m with associated carbonate alteration and anomalous green specks. 3 cm fault gouge at basal contact.	49.30	52.00	I	Typical intermediate intrusive lithology. Broken core and shearing at upper contact. Brownish colour. Fine calcite effervescence. K = 0.02. Common disseminated and fracture-fill pyrite associated with calcite (similar to units above). Lower contact not broken, weakly chilled.	55.73	56.03	294091	0.04	0.10	0.24	12.7	82
56.03	56.94	VMS	Massive Sulphide	Heterogeneous, fine grained, high grade, banded massive sulphide. Delicate tectonic banding at 60 to 75 degrees to core axis. Bands of blue-grey, very high grade, some massive pyrite bands with minor chalcopyrite, common baritic streaks and bands. K = 0.0.					56.03	56.94	294092	0.18	3.45	16.80	660.0	12200
56.94	57.44	pyser	Pyritized intrusive	Sheared, pyritized, sericitized, felsic rock with 5% disseminated pyrite. Probably an early intrusive unit and akin to the unit from 34-38.5m. Some light brownish alteration colour. 3 cm fault gouge at basal contact..					56.94	57.44	294093	0.08	0.04	0.12	10.9	225
57.44	60.68	SMS	Semi-massive pyrite	Semi-massive, fine grained pyritic sulphide with some massive sections. Low grade base metals. Common ductile and brittle shears at various core angles. Fine disseminated pyrite generally in the 25%-50% range replaces a fine grained, sericitic felsic host. Rare veinlet of sphalerite-galena. K = 0.0. This is the same unit as in Hole #xx except that this has higher pyrite content. Gradational lower contact and host is genetically related to the next unit.					57.44	58.52	294094	0.35	0.06	0.25	39.3	1780
									58.52	59.60	294095	0.37	0.07	0.48	22.7	1330
									59.60	60.68	294096	0.07	0.04	0.05	8.6	1130
60.68	61.18	Fs	Mineralized Rock	Sheared, pyritized felsic rock similar to the unit above but with only 2% - 5% disseminated pyrite. Several specks sphalerite-galena and one 20cm band of good grade material which has been partly comminuted during drilling. Pyrite content decreases further downhole.					60.68	61.18	294097	0.09	0.08	0.46	8.3	199

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**phelps
dodge**
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61.18	63.50	Fs	Sheared Intrusive	Sheared, sericitized, pyritized felsic (intrusive?) rock. Same as unit above, but less mineralized. Generally light greenish to brownish. Shearing generally 65 to 70 degrees to core.													
63.50	64.30	M	Diabase	Post tectonic, steep, late diabase. Irregular upper contact chilled light grey at 30 degrees to core axis. K = 0.03 - 0.05. Broken core and fault gouge at lower contact.													
64.30	72.80	Fs	Sheared Intrusive	Strongly, sheared, sericitized felsic (intrusive?) lithology. Same unit as above diabase but shearing is stronger and core is badly broken with common fault gouge. Unit marks a significant fault. Light brownish to light greenish colour with augen and blotches of pinker colour. Contact between this unit and felsic volcanics below 74.2m is not clear.													
72.80	74.20	M	Diabase	Steep late post-tectonic dyke (as 63.5m-64.3m). Contacts run along core. Some screens of host rock. Some broken core and brittle shear.													
74.20	128.80	Df	Felsic flows	Dacitic flows and brecciated flows. Initially relatively 'unaltered' but with a gradual increase in alteration to 'weak' at the bottom of the hole.	74.20	89.80	Df	Felsic volcanic characterized by harder pink-brown, fragment-like entities around which more foliated, greenish, sericitic matrix anastomoses. Probably a pseudofragmental texture. Weak hydrothermal alteration (sericite-silica) and generally with only minor pyrite. Rarely 1% disseminated pyrite. Much less altered than footwall rocks in Hole #7 but not completely "dead." Rare speck sphalerite-galena. Gradational basal contact.									
					89.80	95.30	Df	Similar to unit above except that green sericitic matrix becomes dominant. Foliation wraps around lesser cm-scale "knots" of remnant harder material. Minor reddish, almost jasperoidal "knots" with traces disseminated pyrite. Moderately foliated but only minor bulk shear. Local minor fault gouge. Gradational and arbitrary basal contact.									

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					95.30	107.10	Df	Light green, weakly altered flow banded dacite. Delicate, "intestinal" flow banding, identical to Spencer's Dock - similar anomalous green colour also. Sericitic alteration is heterogeneous, exploiting primary permeability. Some incipient nodular texture. Minor disseminated pyrite and local trace sphalerite. Possible pinhead quartz phenocrysts. Common irregular-elongate dark green patches. Toward the base of the unit, a few fragment-like entities of hard, light brownish lava, similar to the next unit (these appear to be a product of incomplete alteration). Basal contact is gradational and is, in part, an alteration front.								
					107.10	118.90	Df	Light-medium greenish brown felsic flow and brecciated flow. Flow banding less evident than last unit, but still present. Hard, siliceous and less altered than last unit. Anomalous medium grained disseminated cubic pyrite, locally up to 0.5%. Trace sphalerite-galena in fractures. Local tiny "snowflake" alteration specks. Lower contact is abrupt and occurs across a minor shear.								
					118.90	118.90										
					118.90	118.90										
					118.90	128.80	Df	Anomalous light green sericitic felsic flow and brecciated flow. Very similar to 95.3-107.1m. Flow banding locally moderately developed. Breccias with flow-banded fragments are common. 0.5% disseminated pyrite. Local wispy-elongate to irregular dark green sericitic entities. Arguably, a slight increase in pyrite content toward bottom of the hole.								

