

UTM East: 534568

UTM North: 5408773

Grid East: -110+37

Grid North: -01+37

Elevation : 153.6m

Dip : -87 deg

Azimuth : 133 deg

Total Depth : 193m

Claim Number: AND Charter

Core Size: NQ

**phelps
dodge**
Corporation of Canada, Limited
DIAMOND DRILL CORE LOG

Project No: 294

Hole No. MM-294-14

Property: Mary March

NTS: 12A/15 Grid Name: RIL 2000

Date Started: 24/02/2000 Completed: 29/02/2000

Contractor: Logan

Remarks: Collar is located 11 m at 133 degrees from aluminum tag on shoreline. Casing is pulled. No tropari testing done (no tropari on site until Mar. 1). **Logged by: JG Thurlow**

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
0.00	12.00	OB	Overburden	Typical hangingwall mafic volcaniclastics. Bleached clasts, some with brownish rims have common calcite-epidote amygdules; some calcite veinlets. Minor disseminated pyrite and common traces chalcopyrite in amygdules. Weak calcite-epidote alteration overall; matrix is locally chloritized. Brownish rims locally become brownish-orange clasts. Darkened rims elsewhere. K = 0.01 - 0.03 consistently. Plagioclase phenocrysts in clasts are altered. Generally moderately "bolcky" core with some shears and slickensides. A few thin, unseparated intermediate intrusive sills/dykes are associated with broken, blocky core and minor fault gouge; hematite on some fracture faces. Broken core and some brittle shearing subparallel to core from 128m - 128m. Alteration and mineralization of this unit generally becomes stronger with depth and, below 125m, consists of weak VMS-style chlorite-pyrite alteration of mafic volcanics with rare veinlet containing base metals. Minor specks anomalous green mica appear toward the basal contact. Several thin, unseparated intermediate intrusives near and at basal contact.	48.30	53.30	I	Medium brownish to dark greenish intermediate intrusive. Upper contact 10 degrees to core. Weakly epidotized. Abundant fine leucoxene, rare coarse leucoxene. Small epidotized plagioclase phenocrysts. Modest shearing and very blocky core at basal contact.								
12.00	141.10	Bv	Basaltic Volcaniclastics		66.00	66.50	I	Intermediate intrusive. Broken, sheared contacts.								
					71.20	75.90	I	Intermediate intrusive as previous units. Brownish-greenish, weakly epidotized.								
					84.30	89.00	I	Intermediate intrusive as previous units. Brownish-greenish, weakly epidotized. Broken contacts at steep angles to core. Anomalous dull pyrite content locally.								
					90.50	95.30	I	Intermediate-mafic intrusive as previous units. dark greenish, weakly epidotized. Steep contacts.								
					99.00	106.50	I	Intermediate-mafic intrusive as previous units. Dark greenish, weakly epidotized. Upper contact at 40 degrees to core is chilled and appears to be post the weak alteration and mineralization in the host. Lower contact 15 degrees to core, not sheared.								
					113.00	116.00	I	Intermediate-mafic intrusive as previous units. dark greenish, weakly epidotized. Contacts subparelll to core with effectively no shearing. Common pyrite in fractures.								
					117.50	119.60	I	Intermediate-mafic intrusive as previous units. dark greenish, weakly epidotized. Zoned epidote-calcite-pyrite-filled veinlets and voids.								

[illegible]