

REF No 18548



**ABMINCO N.L.**  
**CLEVELAND MINE**

CATEGORY

HOLE No.: C1230

**GENERAL DATA**

Objective : .....

Area of Operation : 16 E North Location : Qa Section

Collar R.L. : 181.70 Co-ordinates : 15554.489 N, 11012.462 E.

Bearing of Hole : 131°38'41" Angle of Hole : +23°20'31" Final Depth : 28.65m

Drilling Commenced : ..... Completed : ..... Logged by : G. Boyle

**DRILLING DATA**

Drilled by : Philpott Non Coring : .....

Drilling Rig : ESD Coring : .....

Driller(s) : .....

Core Recovery : .....

**HOLE SURVEYS**

28m 129° +21°

HOLE No. : .....



HOLE No. C 1230

## GEOLOGICAL LOG

SHEET No. 1From 0 To 10.00

LIFTS			DRILL INTERVAL			BEDDING Angle to Core Axis	ROCK TYPE	DESCRIPTION	ASSAYS		
From	To	Recovery	From	To	Length				% Snt	% Sns	% Cu
0	1.83	1.66	0	0.48	0.48		Shale	Fine, massive, pale purple grey shale			
1.83	3.35	1.19						and dark purple grey shale. Crush zone			
3.35	4.88	1.53						at 0.35 separates the two types.			
4.88	7.92	3.04	0.48	2.63	2.15		Sandstone	Massive, medium-grained, grey-green pale			
7.92	10.97	3.05						speckled sandstone.			
10.97	14.02	2.80	2.63	4.08	1.45		Shale	Fine, massive, pale to dark purple grey shale			
14.02	17.07	2.68						and pale to mid grey-green shale. Minor			
17.07	20.12	2.90						quartz veining, small masses of chert.			
20.12	23.15	3.03	4.08	6.28	2.20		Lode	Pyrrhotite, minor chalcoprite veins (vein)			
23.15	24.99	1.42						sphalerite, chlorite, quartz carbonate,			
24.99	27.74	2.45						minor tourmaline, Fluorite. Sulphides fine			
27.74	28.65	0.36						to medium grained, disseminated, veins.			
	END							Minor chert.			
			6.28	7.60	1.32	70°-80°	Basic Tuff	Fine, bedded, pink-brown to green basic			
								tuff			
			7.60	10.00	2.40		acidic Tuff	Fine, pink-brown to green tuff, massive to			
								bedded, basic volcanic, tuff and chert			
								fragments up to 0.5cm in size. Minor			
								pyrrhotite, chalcoprite in veins.			



HOLE No. C1230

## GEOLOGICAL LOG

SHEET No. 2From 10.00 To 26.98

LIFTS			DRILL INTERVAL		Length	BEDDING	ROCK TYPE	DESCRIPTION	ASSAYS		
From	To	Recovery	From	To		Angle to Core Axis			% Snt	% Sns	% Cu
			10.00	10.97	0.97		None	Pyroxite, minor chalcopyrite, chlorite, quartz, carbonate. Sulphides fine to medium grained, disseminated, minor veins.			
			10.97	13.02	2.05		Basic TUFF	Fine, pink brown massive, finely pale speckled tuff. Minor green tuff.			
			13.02	15.02	2.00		Shale	Fine, massive dark purple-grey-brown shale grading to pale grey over last 30cm.			
			15.02	15.60	0.58		None	Pyroxite, pyrite, chalcopyrite, chlorite, quartz, carbonate. Sulphides fine to medium grained, disseminated, veins. Pyrite vuggy.			
			15.60	22.12	6.52	60°-70°	Shale	Fine, massive and bedded, pale to dark pink-grey and purple-grey shale.			
			22.12	24.89	2.77	60°	TUFF	Fine, massive to bedded, pale speckled green and pink-brown tuff.			
			24.89	26.68	1.79		Shale	Fine, massive, pale to dark purple-grey shale.			
			26.68	26.98	0.30		None	Pyrite, chalcopyrite, chlorite, quartz, carbonate. Sulphides medium grained, veins, Pyrite vuggy.			Contacts 30° to core axis

