

CYPRUS ANVIL MINING CORPORATIONDIAMOND DRILL CORE LOG

Hole Number: 80-A-03 Fabric Orientation Diagram: _____
 Project: Pelmac
 Location: Anise Claims
 Claim: Anise 3
 Terr. Plane
 Co-ords.: 61°37'N Latitude N
132°44'W Longitude E
 Grid
 Co-ords.: L 12 + 250, 28 + 60 W
 Inclination: -90° All symmetry determinations looking
 _____ with _____ dipping
 Elevation: 4050 feet _____ with dip azimuth _____.
 Total Depth: 490 feet (149.4 m)
 Purpose: Test geochemical and electromagnetic anomalies
 Logged by: L. Pigage Date(s) Logged: Sept. 14 - 17, 1980
 Drilling
 Contractor: Arctic Core: Size From To Collar Cased
 and Capped: _____
BQ 40 490 feet

 Started: Sept. 7, 1980 Completed: Sept. 10, 1980

DIAMOND DRILL RECORD

COMPANY: Cyprus Anvil
 PROPERTY: ANKF
 CLAIM NO: _____
 ELEVATION: _____
 ULTIMATE DEPTH: _____

HOLE NUMBER: 80-A-03
 LATITUDE: _____
 DEPARTURE: 13°
 AZIMUTH: _____
 DIP: -90

PAGE ____ OF ____
 LOGGED BY _____
 DRILLING PERIOD: _____

Depth in Metres

FROM	TO	RECOV.	DESCRIPTION	SAMP NO.	INT.	ASSAYS											
0.0	12.0	-	Tricone through overburden - No Core														
12.0	32.0	95%	<p>Noncalcareous, black phyllite with abundant thin grey siltstone laminae. Siltstone layers range up to 15mm in thickness. Locally siltstone layers are slightly calcareous and/or contain disseminated fine to medium grained pyrite. Abundant quartz ± carbonate veining.</p> <p>S₀ and S₁ are disrupted by later, brittle folding locally see development of a weak crenulation cleavage in association with this later folding.</p> <p>Core axis angle</p> <table style="margin-left: 40px; border: none;"> <tr> <td>S₀/S₁</td> <td>67°</td> <td>14.5m</td> </tr> <tr> <td>S₀</td> <td>0°</td> <td rowspan="3">16.5m</td> </tr> <tr> <td>S₂</td> <td>25°</td> </tr> <tr> <td>S₃</td> <td>49°</td> </tr> </table> <p>S₀ parallel core axis 23.7-31.2</p>	S ₀ /S ₁	67°	14.5m	S ₀	0°	16.5m	S ₂	25°	S ₃	49°				
S ₀ /S ₁	67°	14.5m															
S ₀	0°	16.5m															
S ₂	25°																
S ₃	49°																
32.0	46.8	100%	<p>Interbedded on a small scale calcareous and noncalcareous black phyllite. Calcareous phyllite predominates. Minor thin grey siltstone bands which are slightly calcareous. Abundant quartz-calcite veining; locally the veins contain angular phyllite fragments. Siltstone bands tend to form wispy, discontinuous layers. Pyrite locally occurs as small nodules partly to completely surrounded by calcite.</p>														

DIAMOND DRILL RECORD

PROPERTY: _____

HOLE NUMBER: 80-A-03

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FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS				
			Core axis angle							
			S ₁ /S ₀ } 22°							
			S ₂ } 40°							
			S ₁ } 45°							
			S ₁ /S ₀ parallel to core axis } 35.4-							
			S ₂ } 62°							
			fracture (brittle fracture) } 38°							
			S ₁ } 40°							
3	46.8	48.2	70%	Noncalcareous, medium grey, felsic tuff. Contains recrystallized pyrite cubes scattered throughout. Common quartz-carbonate veins (carbonate fizzes only when seen powdered). Can see minor amount of clots elongate in S ₁ foliation; generally a cleastic texture is not visible.						
4	48.2	56.7	100%	Noncalcareous black phyllite with thin calcite stringers. Stringers are abundant and delineate a possible S ₀ . In places they are folded into microfolds. Fine-grained pyrite locally disseminated in calcite stringers. Minor amounts of medium grey pyritic felsic tuff (or like last Unit). Pyrite in tuffs locally forms thin bands.						
				Core axis angle						
				S ₂ } 54°						
				S ₀ } 55°						

DIAMOND DRILL RECORD

PROPERTY: _____

HOLE NUMBER: 80-A-03

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FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
5 51.7	65.8	100%	Dark grey to black calcareous phyllite. So (?) delineated by thin calcareous stringers and laminae. Laminae are discontinuous locally. Minor small pyrite nodules enclosed by calcite. Minor cross-cutting quartz-calcite veins & fracture fillings. Some of the calcite-rich bands appear to be disrupted closely spaced fractures. At 64.2M, thin pyrite band ~ 1 cm thick. Core axis angle						
			S ₁ 40°	52.8M					
			S ₂ 30 30°	56.8M					
			S ₁ 47°	58.4M					
			S ₂ 62°	64.0M					
			S ₁ 30°						
6 65.8	93.5	100%	Noncalcareous dark grey to black phyllite. Contains abundant grey siltstone bands. Bands range in thickness from 1-2 mm up to 10 cm. Siltstone is also noncalcareous. Commonly siltstone bands are disrupted and, boudinaged and folded by S ₁ deformation. Locally get extensive quartz-calcite veining. Pyrite as small aggregates both in phyllite and siltstone; commonly pyrite partly enclosed by quartz. Pale folding locally disrupted. S ₀ /S ₁ surfaces into brittle kink style folds. Core axis angle						
			S ₀ /S ₁ parallel core axis for most of this interval	65.8-67.6					
			S ₀ /S ₁ 29°	70.7M					
			S ₀ /S ₁ 46°	71.4M					
			S ₀ /S ₁ 54°	75.9					
			S ₀ /S ₁ 53°	82.9					
			S ₁ 90°	87.4					
			S ₁ 50°	93.5					

DIAMOND DRILL RECORD

PROPERTY: _____

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FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
4 93.5	97.8	100%	Black calcareous phyllite. Like Unit #5. In place abundant calcite stringers give wet core a ginsberg appearance. Contains minor thin grey felsic tuff bands (like Unit #3). Pyrite in tuffs forms large cubes. Thin calcareous siltstone bands present. <i>Structure</i>						
			S_1 60° 96.7 M						
			S_1/S_2 73° 97.8 M						
8 97.8	105.8	100%	Noncalcareous dark grey to black phyllite with numerous thin grey siltstone bands. Both phyllite and siltstone contain disseminated recrystallized pyrite. Near lower part of interval siltstone changes to become a sandstone. Minor thin felsic tuff bands occur upper part of interval. Minor quartz veining. <i>Core axis angle</i>						
			S_1 62° 101.2 M						
			S_1 60° 104.1 M						
9 105.8	106.6	100%	Noncalcareous chert pebble conglomerate. Medium grey. Cleast size ranges up to 10-15 mm although most cleasts are less than 5 mm. Cleasts include grey chert, black chert, pyritic grey ^{grey shale} volcanics (?). Pyrite as small grains both within cleasts and in matrix. Cleasts elongate in S_1 ^{fracture} . <i>Core axis angle</i>						
			S_1 60° 106.2 M						

DIAMOND DRILL RECORD

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FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
10	106.6	111.8	100%	Noncalcareous black phyllite with abundant grey siltstone bands. Like Unit # 8. Minor quartz ± carbonate veining. The lower part of interval core much broken with minor fault gouge. Structure S ₁ 60° @ 111.8. Minor felsic grey tuffs in lower part of interval.					
11	111.8	113.1	100	Fine-grained, light grey felsic tuff (non-calcareous) shows poor compositional banding. Pyrite both as discrete crystallized cubes and diffuse zones up to 5mm thick. Noncalcareous. Minor quartz-carbonate veining.					
12	113.1	113.5	100	Noncalcareous black phyllite. Core much broken with some fault gouge.					
13	113.5	114.9	15%	Coarse grained carbonate (fizzes only when powdered) with 40-60% coarsely recrystallized pyrite.					
14	114.9	116.7	95%	Noncalcareous, dark grey argillaceous conglomerate. Very clastic clasts in a grey carbonaceous phyllitic matrix. Pyrite as recrystallized grains up to 3mm across. Brownish carbonate abundant as veins (fizzes only when powdered). Minor, black, noncalcareous phyllite silt-banded with conglomerate. S ₁ 50° 115.9					

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HOLE NUMBER: _____

PAGE ____ OF ____

FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
18 127.8	128.7	100%	Noncalcareous dark grey conglomerate. Clasts are subrounded to subangular. Clast size ranges from 1 mm up to 35 mm. Clasts dominantly dark and light grey shale, aggregates of fine-grained pyrite, pyritic felsic volcanics. Minor quartz veins.						
128.7	141.8	100%	Pale olive grey-green felsic tuff (metavolcanic?). Both upper & lower margins are lapilli tuffs (visible clasts) and grade into more massive pale green phyllite. Minor quartz carbonate veins. Pyrite occurs locally as fine-grained stringers and laminae. Also have diffused zones with greater pyrite content. Noncalcareous. Locally looks like may be slightly broken with pyrite forming matrix, -chlorite forming matrix.						
141.8	149.4	100%	Noncalcareous dark grey grit to fine-conglomerate. Extremely elongate clasts in a carbonaceous grey matrix. Contains thin black to dark grey phyllite interbeds. Clasts mainly light colored. Also includes pyritic clast (pyrite - very fine grained).						
			S ₁ / 50	60°				141.8	
			S ₁	70°				145.1	
			S ₁ / 50	70°				148.8	
	149.4		EOH						