014430

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 80-A-01

Fabric Orientation Diagram:

Project: Pelmac

Location: Anise Claims

Claim: Anise 24

Terr. Plane Co-ords.: 61°37'N Latitude N

132°43'W Longitude E

Grid Co-ords.: Line 104, +28W

Inclination: -90°

All symmetry determinations looking _____ with _____ dipping _____ with dip azimuth _____.

Elevation: 4000 feet

Total Depth: 676 feet (205.1 m)

Purpose: To test geochemical anomaly.

Logged by: L. Pigage and J. Mortensen Date(s) Logged: August 30 - September 7, 1980

Drilling Contractor: Arctic

Core:	Size	From	To	Collar Cased and Capped:
	BQ	20	676	(feet)

Started: August 27/80 Completed: August 30/80

DIAMOND DRILL RECORD

COMPANY: Cyprus Anvil
PROPERTY: Anise
CLAIM NO:
ELEVATION:
ULTIMATE DEPTH:

HOLE NUMBER: 80-A-01
LATITUDE:
DEPARTURE:
AZIMUTH:
DIP: -90°

PAGE 1 OF
LOGGED BY
DRILLING PERIOD:

FROM	TO	RECOV.	DESCRIPTION	SAMP NO.	INT.	ASSAYS
7.5	9.3	100%	pale grey, fine to medium grained, locally slightly calcareous, slightly pyritic quartzite with medium to dark grey, slightly carbonaceous phyllitic partings.			
			Structure: @ 7.8 m S_0/S_1 @ 69° to core axis 8.3 m S_2 @ 35° to core axis			
9.3	11.5 ~~33.1~~	65% ~~98%~~	banded pale to medium grey moderately calcareous phyllitic ~~of~~ quartzite and medium green chloritic calcareous quartzite. Irregular blebs of pyrite and pyrrhotite			
			Structure 9.9 m S_1 @ 55°			
11.5	33.1	98%	highly magnetiferous serpentinite and metabasite. Section from 11.5 m to 24.4 m consists of serpentinite with magnetite + calcite (+ minor hematite) intergrowths occurring as irregular zones and broad bands. Irregular zones, ~~and~~ bands, and stringers of pyrite are also present. Section from 24.4 – 32.7 m is slightly to moderately calcareous, pale to dark green metabasite; fine-grained and non-magnetic. Section from 32.7-33.1 m is banded and mottled medium green and brownish grey, non calcareous calc-silicate			
			Structure: @ 17.6 Foliation @ 65° 25.8 " @ 33° 31.2 " @ 48°			

DIAMOND DRILL RECORD

PROPERTY: ANISE HOLE NUMBER: 80-A-01 PAGE 2 OF ____

	FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS
4	33.1	39.7	100%	90% of section is highly pyritic and marcasitic massive quartz. Remainder of the section is non-calcareous pale to dk grey phyllite. (marcasite)			
5	39.7	46.5	100%	Thinly banded pale to dk grey phyllite, becoming calcareous towards the bottom of the section. Some bands are very slightly brownish (biotite?) Structure: 41.7 m S_1 @ 50° S_2 @ 50° (opposite direction) 46.0 m S_1 @ 51°			
6	46.5	51.9	90%	Thinly interbanded black phyllite and pale grey qtz quartzite. Abundant narrow carbonate stringers Structure: 50.1 S_1 @ 42°			
7	51.9	62.5	95%	Pale grey to gray green ~~chlorite~~ - muscovite - chlorite - quartz - feldspar phyllite. Usually with traces of biotite. Non-calcareous, with trace amounts of carbonate in narrow stringers. Trace of galena in a stringer at 58.2 meters. (narrow) Structure: Abundant gauge 51.9 → 54.7 @ 56.7 S_1 @ 56° 61.4 S_1 @ 43°			
8	62.5	68.3	40%	gouge zone. Breccia fragments of the above material ~~altho~~ with minor amounts of ~~the~~ dark grey phyllite fragments			

DIAMOND DRILL RECORD

PROPERTY: ANISE HOLE NUMBER: 80-A-01 PAGE 3 OF ____

FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
9	68.3	72.2	100% Note grey. Muscovite-quartz-feldspar-chlorite phyllite. Similar to Unit 7 but with less abundant chlorite. Non- to slightly calcareous with carbonate also present in narrow stringers. Minor amounts of pyrite as stringers Structures: 69.7 S_1 @ 75° 72.0 S_1 @ 52° later brittle fracture @ 80° in opposite direction						
10	72.2	75.3	100% Thinly bedded dark grey to black, non-calcareous, slightly pyritic phyllite. Abundant narrow quartz stringers (or coarse grained siltstone beds) parallel to foliation. Quartzose beds contain disseminated pyrite. Pyrite also occurs disseminated in the black phyllite. Structure: 73.7 m S_1 @ 74°						
11	75.3	76.8	100% Medium grey slightly to highly pyritic carbonaceous phyllite. Pyrite occurs as disseminations, disrupted narrow beds, and with quartz and carbonate as stringers Structure 75.8 S_1 @ 74° later S_1 @ 51° same direction						
12	76.8	100.3	100% Dark grey to black, non-calcareous, slightly pyritic siliceous phyllite with abundant non to slightly calcareous pale grey siltstone interbeds. Also present are several narrow (< 0.2 m.) dark grey quartzite beds. Structure: 82.9 m S_1 @ 72° 87.4 - 96.6 S_1 ~ parallel to core axis 92.5 m S_1 @ 66°						

DIAMOND DRILL RECORD

PROPERTY: ANISE HOLE NUMBER: 80-A-01 PAGE 4 OF ____

	FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
13	100.3	108.7	100%	Slightly to highly calcareous thinly laminated pale grey siltstone and dark grey phyllite – siltstone makes up ~60% of the section. Parts of the highly calcareous siltstone is approaching a phyllitic marble in composition.						
				Structure:- 100.3 → 103.5 core is broken, much quartz veining						
				103.7 S_1 @ 44°						
				S_2 (brittle kink) @ 48°						
				S_1 and S_2 @ ~65° to each other						
				105.5 S_1 @ 55°						
				108.1 S_1 @ 68°						
14	108.7	109.1	100%	chlorite - muscovite - quartz ± feldspar phyllite. Fine-grained, pale grey-green. Finely disseminated pyrite and discontinuous pyrite laminae. Those of calcite on stringers						
				calcite						
15	109.1	121.7	100%	Moderately to highly calcareous thinly laminated pale to dark grey phyllite. Abundant quartz - calcite veining. Pyrite is present locally as blebs and discontinuous stringers.						
				Structures 111.8 S_1 @ 67°						
				116.2 S_1 @ 68°						
				119.2 S_1 @ 64°						
16	121.7	122.0	100%	Slightly pyritic non-calcareous quartz-feldspar-muscovite chlorite phyllite. Medium grey-green. Calcite on fractures						

DIAMOND DRILL RECORD

PROPERTY: ANISE HOLE NUMBER: 80-A-01 PAGE 5 OF ____

	FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS
17	122.0	140.8	100%	Thinly laminated to highly calcareous pale and dark grey phyllites. Pale grey bands tend to be more calcareous. Pyrite occurs disseminated and as narrow discontinuous bands and stringers. Minor quartz-calcite veining. Trace amounts of biotite are present in some bands from at 125.4 meters and 129.4 meters Structure: 123.5 S. @ 44° 128.3 S. @ 70° 131.4 S. @ 69° 134.4 S. @ 66°			
18	140.8	143.0	100%	Non to moderately calcareous thinly laminated pale and dark grey phyllites. Minor brecciation and abundant quartz veining present. Minor discontinuous narrow bands of pyrite and pyrrhotite in the interval 141.8 – 142.0 m Structure: 141.9 So/S. @ 57°			
19	143.0	152.8	100%	Moderately to highly calcareous thinly laminated pale and dark grey phyllites. Similar to unit 17. Locally slightly biotitic with books of biotite also present in quartz veins in the interval 149.1 – 149.6 m Structure 143.6 S. @ 64° 146.2 S. @ 52° 149.3 S. @ 63° biotitic books			

DIAMOND DRILL RECORD

PROPERTY: Anise HOLE NUMBER: 80-A-01 PAGE 6 OF ____

	FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
20	152.8	160.3	100%	Moderately to highly calcareous thin bedded pale and dark grey phyllite as above locally brecciated. Abundant pyrrhotite and pyrite and traces of chalcopyrite associated with quartz and quartz-carbonate veins. Pyrrhotite and chalcopyrite are early phases; they are cut by late pyrite stringers Structure: 156.7 S_1 @ 52° 158.5 S_2 @ 58°						
21	160.3	167.9	100%	Non- to slightly calcareous banded pale to dark grey phyllite as above, with much brecciation (quartz and quartz-carbonate matrix) and abundant pyrrhotite and pyrite in trace amounts of chalcopyrite. Section from 166.4-167.3 is 70% sulphides (primarily pyrite) as fine grained breccia matrix Structure: 163.7 S_1 @ 50°						
22	167.9	174.1	100%	Moderately to highly calcareous thinly laminated pale to dark grey phyllite. Abundant qtz and quartz carbonate veining locally with pyrite and pyrrhotite. Much brecciation and irregular deformation of laminations Structure: 171.1 S_1 @ 52° 173.7 S_1 @ 45°						
23	174.1	205.1 (BOH)	100%	Moderately to highly calcareous thinly laminated phyllite as above, with rare interbeds to 20 cm thick of fine calcareous biotite pale brown meta-tuff(?) with blebs of pyrite and minor pyrrhotite. The entire sequence contains 2-3% pyrite as disseminations and narrow discontinuous bands (cont'd)						

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DIAMOND DRILL RECORD

PROPERTY: Arnise HOLE NUMBER: 80-A-01 PAGE 7 OF ____

FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
	205.1		Structure 175.2 S_2 @ 43° (23 cont'd)						
			182.6 S_1 @ 64°						
			186.4 S_2 @ 45°						
			188.4 S_2 @ 68°						
			192.1 S_1 @ 50°						
			195.2 S_1 @ 58°						
			201.1 S_2 @ 52°						
			203.9 S_1 or S_2 @ 43°						