

CYPRUS ANVIL MINING CORPORATIONDIAMOND DRILL CORE LOG

Hole Number: 80-A-02 Fabric Orientation Diagram: _____

Project: Pelmac

Location: Anise Claims

Claim: Anise 20

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

132°43'W Longitude E

Grid
Co-ords.: L 80, 24 + 50 W

Inclination: -90° All symmetry determinations looking
_____ with _____ dipping

Elevation: 3850 feet _____ with dip azimuth _____

Total Depth: 527 feet (160.6 m)

Purpose: To test magnetic anomaly.

Logged by: L. Pigage and J. Mortensen Date(s) Logged: Sept. 4 - Sept. 6, 1980

Drilling
Contractor: Arctic Core: Size From To Collar Cased
and Capped: _____

BQ 19 527 feet

Started: Sept. 2, 1980 Completed: Sept. 5, 1980

DIAMOND DRILL RECORD

COMPANY: _____
 PROPERTY: Anise
 CLAIM NO: _____
 ELEVATION: _____
 ULTIMATE DEPTH: _____

HOLE NUMBER: 80-A-02
 LATITUDE: _____
 DEPARTURE: _____
 AZIMUTH: _____
 DIP: _____

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 LOGGED BY: _____
 DRILLING PERIOD: _____

FROM	TO	RECOV.	DESCRIPTION	SAMP NO.	INT.	ASSAYS			
0	5.8	-	tri-angled in overburden						
5.8	20.6	100%	^{cream to pale grey} massive is coarse-grained altered syenite. Approximately 30% of the full size (plagioclase?) is altered to fine-grained cream-colored sericite or kaolinite mass. The rest entire unit is extensively cut by a network of stringer pipsite with minor pyrrhotite, arsenopyrite and chlorite. Where pyrrhotite is abundant, it appears to be in an earlier sulphide phase than the pipsite - pipsite stringers cross cut the pyrrhotite. Average mafic ^{mineral} content in the syenite is 5-10%						
20.6	21.4	100%	Syenite as above, but medium green throughout both due to chloritized mafics and to a pervasive chlorite zone						
21.4	37.1	100%	Syenite as in that 1 cream colored. Trace amounts of stringer pipsite & locally minor amounts of quartz due to fractures.						
37.1	63.4	95%	syenite as above but v. broken with abundant quartz zones						

DIAMOND DRILL RECORD

PROPERTY: ANISE

HOLE NUMBER: 80-A-02

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FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
5 63.4	76.8	100%	<p style="text-align: right; margin-right: 50px;">dark green</p> highly altered fine to medium grained hornblende monzonite. Hornblende may be either primary or secondary. Ilmenite (subhedral to euhedral euhedral grains to 1 mm diameter) are a ^{common} accessory. Blades of biotite are common throughout. Traces of pyrite as fine disseminations are locally present. Composition is quite variable, ranging from a hornblende monzonite to a biotitic hornblende. K-feldspar is completely altered to clays (as a pale tan to pinkish grey mass) and plagioclase is pervasively saussuritized.						
			composition						
6 76.8	85.6	100%	medium greenish brown to greenish grey mottled medium-grained biotite monzonite. K-feldspar present as tan to medium brown clay masses. Biotite may be an alteration of hornblende. Plagioclase is pale green and pervasively saussuritized. Small bluish grains (possibly leucoxene or almond ^{almond}) are common. Bottom 0.5 meters of the unit is cut by numerous shears.						
			leucoxene						
7 85.6	90.6	100%	<p style="text-align: right; margin-right: 50px;">locally garnetiferous</p> Highly altered poorly foliated fine to coarse coarse grained monzonite, hornblende monzonite, biotite, hornblende monzonite, and hornblende. Composition is extremely variable, with diffuse irregular contact zones - probably flow differentiation rather than crosscutting intrusions. K-feldspar is altered to a pale brown clay-rich mass. Hornblende and biotite are locally chloritized. Color of the unit is extremely variable, ranging from pale to dark brown to medium and dark green. Garnets occur locally as pale pink fine-grained aggregates to 2 mm diameter.						

DIAMOND DRILL RECORD

PROPERTY: ANISE

HOLE NUMBER: 80-A-02

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FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
9	103.6	114.9	100%	medium to dark green, fine to medium grained hornblende magnetite, locally slightly garnetiferous, locally slightly biotitic. Magnetite present a fine grained dissemination, as irregular bands to 2 cm thick, and as stringers with pyrite and quartz.					
10	114.9	116.7	100%	Fine-grained medium green hornblende porphyry with. Becomes slightly coarser-grained in the middle of the unit - appears to be a narrow dyke with chilled margins					
11	116.7	126.1	100%	Fine to medium grained medium to dark green, ilmenite-bearing, locally slightly garnetiferous. Fine-grained zones are commonly banded and $\frac{1}{2}$ poorly foliated, often with abundant quartz stringers and lenses, and rare pyrrhotite blobs.					
12	126.1	136.8	100%	Similar to Unit 11, but with a trace of biotite present throughout imparting a brownish hue to the unit. Pyrrhotite present both as disseminated blobs and as stringers.					

DIAMOND DRILL RECORD

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FROM	TO	RECOV.	DESCRIPTION	SAMP. NO.	INT.	ASSAYS			
13	136.9	137.9	60%	medium grey medium grained highly calcareous siltstone Trace of biotite throughout					
14	137.9	140.7	100%	Similar to Unit 12, with more abundant quartz veining					
15	140.7	141.5	100%	Medium green, fine grained hornblende porphyry as in Unit 10					
16	141.5	147.9	100%	Vaguely bedded medium green to dark brown fine to medium grained, highly altered hornblende syenite locally biotitic with blades and books of biotite associated with the hornblende, possibly as an alteration product. Minor quartz veining, with trace of stringer pyrite.					
17	147.9	160.6	100%	60H fine to medium grained, highly altered, medium to dark green and green brown hornblende and hornblende-biotite monzonite/syenite. K-feldspar is altered to a chlorite-clay mass; plagioclase is pervasively saussuritized. Plagioclase content varies from 5 → 30% by volume. Rock is chaotically garnetiferous throughout. Fine-grained subhedral ilmenite is a common accessory. Traces of pyrite are present as stringers, often with quartz.					