

CYPRUS ANVIL MINING CORPORATIONDIAMOND DRILL CORE LOG

015710

Hole Number: 78-J-01 Fabric Orientation Diagram: _____

Project: Janice Joint Venture

Location: Swim Lake

Claim: Janice 81

Terr. Plane
Co-ords.: _____ N
_____ E

Grid
Co-ords.: 32E; 21+00S

Inclination: -60°N/92m-62°/184m-57°/ All symmetry determinations looking *
SW with S2 dipping

Elevation: _____ SE with dip azimuth 158.

Total Depth: 249.3 m

Purpose: Testing gravity and EM anomaly.

Logged by: D. S. Jennings
D. J. Hanson Date(s) Logged: _____

Drilling
Contractor: Arctic Diamond Drilling Core: Size From To Collar Cased
and Capped: No

Size	From	To	Collar Cased and Capped:
<u>BQ</u>	<u>0</u>	<u>249.3 m</u>	<u>No</u>
_____	_____	_____	_____
_____	_____	_____	_____

Started: May 15/78 Completed: May 25/78

* Angle hole - no surface outcrop for orientation of fabric data.

Lithologic Log

Logged By: DJH/DSJ

meters

m	From		To	Unit		Code	Description
	10	14	16	20	23	25	
L	1100	1144	11	3B0		#	0/B
L	1144	1207	12	3B0			→ 3G2
L	1207	1209	13	3B0			non-calc., lam. banded color. phyll. or metatuffs of unit 5D; non calc., lt. green.
L	1209	1572	14	3B0			→ 3G2; thin, dk gray to black carb. to graph. laminar // S ₂ unparting slightly stepped appearance
L	1572	1574	15	3B0			as unit 3
L	1574	1639	16	3B0			→ 3G2 as units 2, 4
L	1639	1648	17	3B0			as unit 3
L	1648	11193	18	3B0			→ 3G2 as units 2, 4, 6
L	11193	11195	19	3B0			as unit 3
L	11195	11205	10	3B0			→ 3G2
L	11205	11208	11	3B0			as unit 3
L	11208	11226	12	3B0			→ 3G2
L	11226	11236	13	3B0			as unit 3
L	11236	11276	14	3B0			→ 3G2
L	11276	11277	15	3B0			as unit 3
L	11277	11297	16	3B0			→ 3G2
L	11297	11298	17	3B0			as unit 3
L	11298	11326	18	3B0			→ 3G2
L	11326	11328	19	3B0			as unit 3
L	11328	11625	20	3G2			
L	11625	11628	21	3B0			1cm band 20-25% py
L	11628	11684	22	3G2			
L	11684	11704	23	3E0			gouge & breccia; upper ct @ 90 to c.A.; lower ct. indeterminate.
L	11704	1171	024	3E0			
L	11710	11736	25	3E2			3m band 3E2 or 3E3
L	11736	11956	26	3E0			prev. 0Q0 "sweats" foliiform wrt S ₂
L	11956	11957	27	3B0			< 10% over entire int.; m base-metal sulfs
L	11957	11966	28	3E0			
L	11966	11967	29	3B0			
L	11967	12158	30	3E0			gradational contact w/ dec. graph. over last 5m of interval; 207.6-208.2m broken core & gouge, no contact & possible

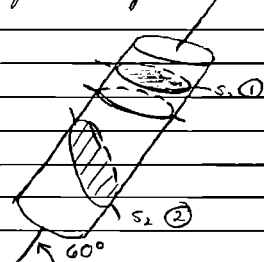
SUMMARY LOGDDH 78-J-01

<u>Metres</u>		
0.0 - 14.4		Overburden.
14.4 - 20.7	3G	Non-calcareous, muscovite-chlorite \pm biotite phyllite/schist, undifferentiated.
20.7 - 20.9	3B	Non-calcareous, laminarily banded, chloritic phyllite or metatuffs, light green.
20.9 - 57.2	3G	Non-calcareous, muscovite-chlorite \pm biotite phyllite, undifferentiated; thin dark gray to black carbonaceous to graphitic laminae paralleling S_2 imparting slightly striped appearance.
57.2 - 57.4	3B	Non-calcareous phyllite and banded tuffs.
57.4 - 63.9	3G	Non-calcareous, slightly graphitic phyllite.
63.9 - 64.8	3B	Non-calcareous phyllite and banded tuffs.
64.8 - 119.3	3G	Non-calcareous, slightly graphitic phyllite.
119.3 - 119.5	3B	Non-calcareous phyllite and banded tuffs.
119.5 - 120.5	3G	Non-calcareous phyllite.
120.5 - 120.8	3B	Non-calcareous phyllite and tuffs.
120.8 - 122.6	3G	Non-calcareous phyllite.
122.6 - 123.6	3B	Non-calcareous phyllite and tuffs.
123.6 - 127.6	3G	Non-calcareous phyllite.
127.6 - 127.7	3B	Non-calcareous phyllite and tuffs.
127.7 - 129.7	3G	Non-calcareous phyllite.
129.7 - 129.8	3B	Non-calcareous phyllite and tuffs.
129.8 - 132.6	3G	Non-calcareous phyllite.
132.6 - 132.8	3B	Non-calcareous phyllite and tuffs.
132.8 - 162.5	3G	Non-calcareous phyllite.
162.5 - 162.8	3B	Non-calcareous phyllite and banded tuffaceous phyllite, 1 cm band 20-25% pyrrhotite.

<u>Metres</u>		
162.8 - 168.4	3G	Non-calcareous phyllite.
168.4 - 170.4	3E	Graphitic phyllite with gouge and breccia, upper contact at 90° to core axis, lower contact indeterminate.
170.4 - 171.0	3E	Graphitic phyllite.
171.0 - 173.6	3F	Silicated marble.
173.6 - 195.6	3E	Graphitic phyllite with bull quartz "sweat" veins parallel to S ₂ foliation 10% by volume, with minor base metal sulphides.
195.6 - 195.7	3B	Non-calcareous phyllite and tuffaceous phyllite.
195.7 - 196.6	3E	Graphitic phyllite.
196.6 - 196.7	3B	Non-calcareous phyllite and tuffaceous phyllite.
196.7 - 215.8	3E	Graphitic phyllite, gradational contact of lower graphitic content over last 5 m; 207.6 - 208.2 m broken core and gouge, no contact determination possible.
215.8 - 221.7	3G	Non-calcareous chloritic phyllite.
221.7 - 223.3	3E	Graphitic phyllite.
223.3 - 249.3	3G	Non-calcareous chloritic phyllite.

END OF HOLE

meters

Code	From		To		Feature	E S ₁	S ₁ Dip Direct.		S ₂ Dip Direct.		Description
	10	14	16	20			22	24	26	28	
S			174	6	CS12				88	158	<p>Note: two possible orientations to S₂ (1) shallow SW dip; (2) steep SW dip</p> 
S			207		CS12				82	158	
S			271		CS12				84	158	
S			332		CS12				78	158	
S			408		CS12Z				72	158	
S			460		CS12Z				75	158	
S			524		CS12Z				72	158	
S			582		CS12Z				78	158	
S			643		CS12E				47	158	
S			709		CS12E				84	158	
S			765		CS12S				78	158	
S			829		CS12S				75	158	
S			890		CS12S				82	158	
S			921		CS12E				79	158	
S			981		CS12E				78	158	
S			1042		CS12E				78	158	
S			1103		CS12S				68	158	
S			1116	4	CS12Z				68	158	
S			1231		CS12Z				71	158	
S			1292		CS12S				65	158	
S			1353		CS12S				80	158	
S			1414		CS12Z				78	158	
S			1475		CS12Z				80	158	
S			1534		CS12S				80	158	
S			1618		CS12Z				78	158	
S			1738		PS12				78	158	
S			1798		CS12S				88	158	
S			1853		CS12S				90	158	
S			1896		CS12Z				75	158	
S			1916		PS12				63	158	
S			2024		CS12S				58	158	
S			2086		CS12S				80	158	
S			2164		CS12Z				80	158	
S			2219		PS12				72	158	
S			2280		PS12				79	158	
S			2341		CS12				78	158	

Not possible to have NW dip of 22° as suggested by S₂ attitudes in unit 10 NW of Blind Cr.

Note: Spot symmetries on F₂ folds noted approx every 10m. This done to give overall impression of F₂ symmetry

No symmetry possible

" " "

CYPRUS ANVIL MINING CORPORATIONDIAMOND DRILL CORE LOG

Hole Number: 78-J-02 Fabric Orientation Diagram:

Project: Janice Joint Venture

Location: Swim Lake

Claim: Janice 106

Terr. Plane
Co-ords.: _____ N
_____ E

Grid
Co-ords.: B.L. 32E; 15+00S

Inclination: -70⁰, 00N All symmetry determinations looking *
SW with S2 dipping

Elevation: _____ SE with dip azimuth 158.

Total Depth: 127.4 m

Purpose: To test terrain-corrected gravity anomaly.

Logged by: D. S. Jennings
D. J. Hanson Date(s) Logged: June 8, 1978

Drilling Contractor: Arctic Diamond Drilling Core: Size From To Collar Cased and Capped: No

Core	Size	From	To	Collar Cased and Capped
<u>BQ</u>	<u>0</u>	<u>127.4 m</u>		<u>No</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Started: May 26/78 Completed: May 31/78

* Angle hole - no surface outcrop for orientation of fabric data.

SUMMARY LOGDDH 78-J-02

<u>Metres</u>		
0.0 - 18.9		Overburden.
18.9 - 22.4	3B3	Calcareous chloritic phyllite.
22.4 - 27.9	3G0	Non-calcareous, muscovite-chlorite \pm biotite phyllite.
27.9 - 35.5	3B3	Calcareous, chloritic phyllite.
35.5 - 40.0	3G0	Non-calcareous phyllite.
40.0 - 53.0	3B3	Calcareous chloritic phyllite with 20% non-calcareous interbands.
53.0 - 55.1	3G0	Non-calcareous phyllite.
55.1 - 67.5	3B3	Calcareous, chloritic phyllite with 20% non-calcareous interbands.
67.5 - 70.5	3G0	Non-calcareous phyllite with 10% calcareous interbands.
70.5 - 79.6	3E0	Graphitic phyllite, weakly cataclastic, quartz augen, minor CO ₃ bands over top third of interval.
79.6 - 81.9	3G/F	50/50 interbanded carbonaceous phyllitic marble; non-calcareous carbonaceous phyllite.
81.9 - 85.7	3F0	Marble and silicated marble, weakly carbonaceous, small S ₂ boudins.
85.7 - 88.4	3G0	Non-calcareous phyllite with 10% calcareous interbands.
88.4 - 127.4	3E0	Graphitic phyllite; 10% bull quartz "sweat" veins; 20% non-calcareous phyllite over last 8 m.

END OF HOLE

Structural Log

meters

Core #	From		To		Feature	S ₁ Dip Direct.	S ₂ ? Dip Direct.		Description			
	10	14	16	20			22	24		26	28	32
S				126	9 CIS12				75	158	- see log of 78-J-01 for overall geometry.	
S				132	3 CIS12				79	158		
S				138	4 CIS12				818	158		
S				144	8 CIS12				70	158		
S				150	6 CIS12				85	158		
S				156	7 CIS12				75	158		
S				162	8 CIS12				85	158		
S				169	2 CIS12				75	158		
S				175	0 CIS12				86	158		
S				180	8 CIS12				83	158		
S				188	7 CIS12				70	158		
S				194	8 CIS12				61	158		
S				1101	3 CIS12				52	158		
S				1107	5 CIS12				76	158		
S				1113	8 CIS12				65	158		
S				1119	8 CIS12				57	158		
S				1126	2 CIS12				70	158		
S				1132								
S				1138								
S				1144								
S				1150								
S				1156								
S				1162								
S				1168								
S				1174								
S				1180								
S				1186								
S				1192								
S				1198								
S				1204								
S				1210								
S				1216								
S				1222								
S				1228								
S				1234								
S				1240								
S				1246								
S				1252								
S				1258								
S				1264								
S				1270								
S				1276								
S				1282								
S				1288								
S				1294								
S				1300								
S				1306								
S				1312								
S				1318								
S				1324								
S				1330								
S				1336								
S				1342								
S				1348								
S				1354								
S				1360								
S				1366								
S				1372								
S				1378								
S				1384								
S				1390								
S				1396								
S				1402								
S				1408								
S				1414								
S				1420								
S				1426								
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