

09/250

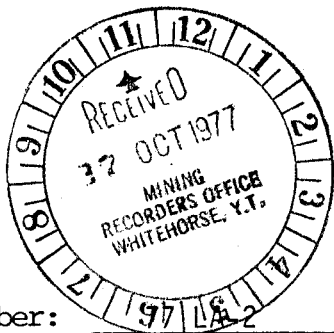
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105-K-6

CYPRUS BRILL MINING CORPORATION

ARO 24 ( 759738 )

1 HOLE 1106 FT. ( 337.11 METERS )

DD-190



CYPRUS ANVIL MINING CORPORATION

081250

DIAMOND DRILL CORE LOG

PLEASE NOTE DEPTH IS IN METERS

Hole Number: LA 2

Fabric Orientation Diagram:

Project: Lower Anvil Joint Venture

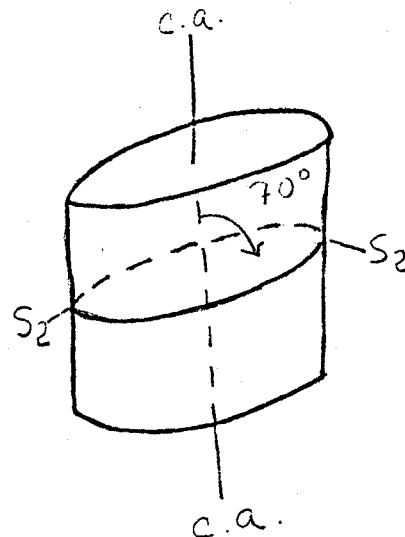
Location: Lower Anvil Creek

Claim: Aro 24

Terr. Plane Co-ords.: \_\_\_\_\_ N

\_\_\_\_\_ E

Grid Co-ords.: L48W, 57+50N



All symmetry determinations looking

NW with S<sub>2</sub> dipping

SW with dip azimuth \_\_\_\_\_.

Elevation: Approx. 2,900'

Total Depth: 337.11 M

Purpose: To test Gravity and Turam Anomalies.

Logged by: G. D. House Date(s) Logged: 11, 12, 13 September, 1977

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

BQ 95.1 M 337.11 M

Started: 26/08/77 Completed: 12/09/77

Diamond Drill Core Log

DDH 7,7,L,A,-2, 2 8

Code	Drillhole	Elevation	Northing	Easting	Comments		
1	2	8	10	16 17	24 25	32 34	4
T	7,7,L,A,-2,	2,9,0,0,0					N,O,T,S,U,R,V,E,Y,E,D,

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments		
1	2	8	10	14 22	26 28	32 34	56
R	7,7,L,A,-2,	0,0,00	1,8,0.0	. . .	A T C O L L A R V E R T I C A L		
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			
R			. . .	. . .			

Code	Drillhole	Comments, Errant Remarks, Snivellings and /or Lewd Suggestions			
1	2	8	10	14	4
	7,7,L,A,-2,	2,1,4 FEET INW CASING LEFT IN HOLE.			
		DIFFICULT OVERBURDEN CAUSED INITIAL			
		PROBLEMS.			
		NO EXPLANATION FOR GRAVITY ANOMALY			
		SEEN IN CORE.			

## Lithologic Log

Logged By: G.D. House

Code	From		To		Unit		Code		Description	
	10	14	16	20	22	23	25	27		
L	00		9,5	1	1		#		Overburden and casing. Bedrock from 80.8 M - cased to 95.1 M.	
L	9,5	1	9,7	0	2	1	C,7		Contorted S <sub>2</sub> , broken ground, staurolite.	
L	9,7	0	1,0	0	1	3	1	C,7	Knots garnets, light brown.	
L	1,0	0	1,0	3	3	4	1	C,7	Garnets.	
L	1,0	3	1,0	4	0	5	0	Q,0	Muscovite, pyrite in quartz vein, 75° to core axis.	
L	1,0	4	1,0	6	5	6	1	C,8	Mixed 1C1, S <sub>2</sub> at 0-5°, broken ground.	
L	1,0	6	1,1	0	9	7	1	C,7	Contorted S <sub>2</sub> .	
L	1,1	0	1,1	1	5	8	1	C,1	Quartz-feldspar-muscovite-garnet "quartzite".	
L	1,1	1	1,1	6	0	9	1	C,7		
L	1,1	6	1,1	6	4	1	0		Quartz vein, 80°, garnets.	
L	1,1	6	1,3	2	0	1	1	1	C,7	Garnets.
L	1,3	2	1,3	5	4	1	2	1	C,8	Fine-grained, chloritic, garnets in veins.
L	1,3	5	1,4	2	0	1	3	1	C,7	Lost core 136.3-136.6. Contorted S <sub>2</sub> , biotite knots, pyrite associated S <sub>2</sub> planars from 137 M.
L	1,4	2	1,4	4	0	1	4	1	C,8	Contorted S <sub>2</sub> .
L	1,4	4	1,4	8	1	1	5	1	C,7	Pyrite on S <sub>2</sub> planars, garnets, chlorite.
L	1,4	8	1,4	8	9	1	6	1	C,1	Quartz-feldspar-muscovite "quartzite", altered.
L	1,4	8	1,5	1	7	1	7	1	C,7	Minor quartz planars to S <sub>2</sub> .
L	1,5	1	1,5	5	0	1	8	1	C,7	Contorted S <sub>2</sub> , minor bands to 0.2 M 1C8.
L	1,5	5	1,6	0	7	1	9	1	C,7	Much decreased staurolite, minor garnets.
L	1,6	0	1,6	4	0	2	0	1	C,8	Mixed chlorite and biotite schist.
L	1,6	4	1,6	7	4	2	1	1	C,7	Minor garnets.
L	1,6	7	1,6	7	6	2	2	0	Q,0	Quartz vein.
L	1,6	7	1,7	6	4	2	3	1	C,7	Contorted S <sub>2</sub> , pyritic.
L	1,7	6	1,7	8	8	2	4	1	C,7	Altered, chloritic sericitic, gougey? Quartz-muscovite vein 179.4-179.7 M.
L	1,7	8	1,8	5	0	2	5	1	C,7	Contorted S <sub>2</sub> .
L	1,8	5	1,8	6	0	2	6	1	C,7	To 1C8 in parts, associated quartz veining, altered, chloritic, pyrite.
L	1,8	6	1,8	8	0	2	7	1	C,7	Quartz veining part S <sub>2</sub> , pyrite, chlorite.
L	1,8	8	1,9	9	0	2	8	1	C,7	Pyritic, minor quartz veins cross-cutting S <sub>2</sub> planes, chloritic 195-196 M.
L	1,9	9	2,0	0	0	2	9	0	E,8	Hornblende-quartz-feldspar intrusive, dyke, fault bounded.

Code	From	To	Unit	Code	Description
L	10 14	16 20	22 23	25 27	
L	21010 0	21011 1	3 0	1 C 8	Sheared, broken ground to 200.2, siliceous and chloritic pyrite.
L	21011 1	21016 4	3 1	1 C 7	Increased biotite-muscovite, pyritic, siliceous.
L	21016 4	21018 2	3 2	1 C 8	1.1 M recovery, lost core. Chloritic alteration, broken ground, FAULT.
L	21018 2	21019 2	3 3	1 C 1	Very pyritic, BROKEN GROUND, FAULT GOUGE AND ALTERATION.
L	21019 2	21100 0	3 4	1 C 7	Pyritic, ALTERED, GOUGE, VERY BROKEN, FAULT ZONE.
L	21100 0	21111 5	3 5	1 C 7	LOST CORE, NO RECOVERY.
L	21111 5	21113 6	3 6	1 C 8	Slightly pyritic, broken ground.
L	21113 6	21114 3	3 7	1 C 8	Gougey, altered, pyritic.
L	21114 3	21116 2	3 8	1 C 8	Less gougey, pyritic.
L	21116 2	21117 0	3 9	1 C 8	Pyritic, GOUGE.
L	21117 0	21119 5	4 0	1 C 8	More solid, quartz veined.
L	21119 5	21213 0	4 1	1 C 7	Pyritic, altered, chloritic, healed shear zone?
L	21213 0	21215 7	4 2	1 E 2	Muddy gouge at 223.7 M, very pyritic.
L	21215 7	21313 2	4 3	1 C 7	Very pyritic.
L	21313 2	21313 8	4 4	1 C 8	Fine grained, chloritic (alteration around dyke?).
L	21313 8	21316 8	4 5	0 D 8	LOST CORE. 0.2 M recovered, very fine grained, pink garnets.
L	21316 8	21318 0	4 6	0 D 8	LOST CORE, GROUND, BROKEN GROUND, PEBBLES 10D. 0.8 M recovered.
L	21318 0	21318 5	4 7	1 C 7	0.2 M recovery, LOST CORE, BROKEN, RUST, FAULT ZONE.
L	21318 5	21410 3	4 8	1 C 5	Coarser S <sub>2</sub> layering, banding, increased quartz-feldspar.
L	21410 3	21412 3	4 9	1 C 8	FAULT ZONE, QUARTZ-FELDSPAR-CHLORITE VEINED, FILLED.
L	21412 3	21413 5	5 0	1 C 7	BROKEN GROUND.
L	21413 5	21416 0	5 1	1 C 7	Healed shear zones - quartz filled, 25° to core axis at 244.6, 244.5, 246.0 M.
L	21416 0	21417 9	5 2	1 C 7	
L	21417 9	21418 2	5 3	1 C 8	Quartz-feldspar-muscovite-garnet-chlorite shear 65°.
L	21418 2	21512 2	5 4	1 C 7	Contorted S <sub>2</sub> .
L	21512 2	21512 4	5 5	1 C 8	Garnet-chlorite-muscovite filled fracture.
L	21512 4	21513 5	5 6	1 C 7	Very contorted kinked S <sub>2</sub> .
L	21513 5	21515 0	5 7	1 C 7	Siliceous, quartz-filled veins, shears, at high angles.
L	21515 0	21515 4	5 8	1 C 7	Increased staurolite.
L	21515 4	21516 2	5 9	1 C 7	Ptygmatic veining.

Code	From		To		Unit		Code		Description
	10	14	16	20	22	23	25	27	
L	2,5,6	2	2,5,7	4	6,0		1,C,7		Large porphyritic garnets, late, cross-cut S <sub>2</sub> .
L	2,5,7	4	2,5,9	5	6,1		1,C,7		Chloritic garnets, contorted S <sub>2</sub> .
L	2,5,9	5	2,5,9	7	6,2		0,C,0		Biotite-rich quartz-feldspar vein, shear.
L	2,5,9	7	2,6,1	2	6,3		1,C,7		Altered, siliceous, very contorted S <sub>2</sub> .
L	2,6,1	2	2,6,1	4	6,4		1,C,7		Biotitic, contorted around quartz-feldspar vein.
L	2,6,1	4	2,6,7	5	6,5		1,C,7		Contorted S <sub>2</sub> , late kink folds, increased disseminated garnet.
L	2,6,7	5	2,7,0	6	6,6		1,C,7		S <sub>2</sub> at low angles, also quartz-feldspar veins, healed fault/shear zone.
L	2,7,0	6	2,7,5	4	6,7		1,C,7		Altered, increased staurolite and garnet, quartz-feldspar veins and healed shears.
L	2,7,5	4	2,8,5	8	6,8		1,B,5		Calcareous, 1C3, margin to 1G5. TACTITE.
			2,7,5	6	6,9		1,C,4		1C3 garnets.
			2,7,6	0	7,0		1,B,3		Bands pink-brown garnets, silicated marble, calcareous.
			2,7,6	4	7,1		1,B,5		Bands biotite-garnet-marble, calcareous.
			2,7,6	8	7,2		1,B,3		Large pink garnets in marble.
			2,7,8	9	7,3		1,B,5		Bands biotite-garnet-marble, S <sub>2</sub> layers.
			2,7,9	3	7,4		1,C,3		Staurolite and garnets, soft altered.
			2,7,9	9	7,5		1,B,0		Contorted S <sub>2</sub> layers/bands garnet-marble-biotite-chlorite.
			2,8,0	5	7,6		1,B,5		Calc-silicate S <sub>2</sub> layers parallel to core axis, slightly contorted.
			2,8,1	5	7,7		1,B,5		Biotite-calc-silicate-garnet narrow S <sub>2</sub> layers.
			2,8,5	0	7,8		1,C,3		Staurolite, garnet, calcareous.
			2,8,5	8	7,9		1,C,3		0.2 M recovered, LOST CORE, GOUGE, BRECCIA.
L	2,8,5	8	2,8,7	4	8,0		1,C,3		BRECCIA, LOST CORE, FAULT ZONE, BRECCIA. 1C3.
L	2,8,7	4	2,8,8	2	8,1		1,C,3		Garnets, staurolite, shears at 35-45°, gougey.
L	2,8,8	2	2,9,0	4	8,2		1,C,7		Contorted, garnets, slightly calcareous.
L	2,9,0	4	2,9,8	2	8,3		1,C,7		Garnets, disseminated, contorted S <sub>2</sub> , calc-silicate veins at 296.5.
L	2,9,8	2	3,0,2	3	8,4		1,C,7		Garnets, gouge associated quartz-feldspar veins in part.
L	3,0,2	3	3,0,3	0	8,5		1,B,5		Massive garnet-calc-silicate-biotite layer, part S <sub>2</sub> .
L	3,0,3	0	3,1,9	4	8,6		1,C,7		Garnet-rich veins, disseminated garnets.

TACTITE HORIZON DETAILED



Structural Log DD-190Logged By: G.D. House

Code	From		To		Feature		S <sub>1</sub> Dip Direct.		S <sub>2</sub> Dip Direct.		Description
	10	14	16	20	22	24	25	28	32	34	
S	19	51	10	33					6	5	
S	10	36	10	40					0		0-5° S <sub>2</sub> quartz filled fault?
S	10	40	10	70					6	5	Contorted S <sub>2</sub> , fracture at 0-5°.
S	10	70	11	06					6	5	S <sub>3</sub> dip 40° to 300° az.
S	11	12	11	57					5	0	S <sub>3</sub> dip 60° to 270° az.
S	11	61	13	20					6	5	Minor S <sub>3</sub> .
S	13	20	13	54					6	0	Fracture dip 25° to 010°.
S	13	54	13	90							Distorted S <sub>2</sub> to 139 M.
S	13	90	14	84					6	5	S <sub>2</sub> to 45° dip around quartz vein at 145M.
S	14	84	15	50					6	0	Contorted quartz veins, etc.
S	15	50	16	07					4	0	
S	16	07	16	40					7	0	Most contorted, 70° dip in 1C8 at 162.2M.
S	16	40	16	61					7	0	
S	16	61	16	76							Quartz-muscovite vein, very contorted S <sub>2</sub> .
S	16	76	17	20					7	5	S <sub>3</sub> kinks to 20 mm on S <sub>2</sub> .
S	17	20	17	64					5	0	Minor variation about 50°, S <sub>3</sub> -S <sub>4</sub> kinks to 20 mm.
S	17	74	17	77							Quartz vein, healed shear at 80°.
S	17	80	18	20					4	0	S <sub>3</sub> kink folds on S <sub>2</sub> .
S	18	20	18	50					5	0	Minor S <sub>3</sub> kink folds in S <sub>2</sub> .
S	18	80	18	81					5	0	Minor quartz veins at 50°N.
S	18	81	19	02					7	5	
S	19	02	19	73					5	0	Quartz veins cross cut at 50°.
S	19	73	19	90					6	5	Increasing quartz, siliceous.
S	20	11	20	65					5	0	Contorted S <sub>2</sub> , S <sub>3</sub> and S <sub>4</sub> .
S	20	65	21	15							FAULT ZONE, GOUGE ETC. at 40-50°.
S	21	15	21	36					7	5	Chloritic.
S	21	36	21	40							GOUGE, FAULT, 50°.
S	21	40	21	95					6	5	Strong S <sub>2</sub> , minor quartz veins, very minor S <sub>3</sub> .
S	21	95	22	30					7	5	Healed shear? Strong S <sub>2</sub> .
S	22	30	22	38					7	5	Carbonaceous layers, S <sub>2</sub> gouge at 223.8M.
S	22	38	22	43					7	5	
S	22	43	22	53					4	5	Contorted S <sub>2</sub> to S <sub>3</sub> folds.
S	22	53	22	68					5	5	



Code	From				To				Feature	E N	S <sub>1</sub> Dip Direct.				S <sub>2</sub> Dip Direct.				Description
	10	14	16	20	22	24	26	28			32	34	38	32	34	38			
S	2	2	7	3	2	2	9	0								7	0		
S	2	3	2	2	2	3	3	5								7	0	Courser banding S <sub>2</sub> .	
S	2	3	8	5	2	4	0	0								6	5		
S	2	4	0	0	2	4	1	0										FAULT ZONE, DIP 35°. Healed quartz-feldspar.	
S	2	4	1	7	2	4	2	3										FAULT ZONE, DIP 5-15°. Quartz healed.	
S	2	4	3	6	2	4	4	5								7	0		
S	2	4	4	5	2	4	5	0								4	0	Healed shears at 40° also.	
S	2	4	5	0	2	4	7	6								7	0	Contorted S <sub>2</sub> , S <sub>3</sub> -S <sub>4</sub> kink folds.	
S	2	4	8	0	2	4	8	4								3	5		
S	2	4	8	4	2	5	0	2								7	0	Contorted S <sub>2</sub> , S <sub>3</sub> -S <sub>4</sub> kink folds.	
S	2	5	0	2	2	5	1	8										Very contorted S <sub>2</sub> , no regular S <sub>2</sub> .	
S	2	5	1	8	2	5	2	2								7	5		
S	2	5	2	2	2	6	1	5										Quartz veined, contorted S <sub>2</sub> , late S <sub>3</sub> -S <sub>4</sub> kinks.	
S	2	6	1	5	2	6	5	5								6	5	Kink folded S <sub>2</sub> , late S <sub>2</sub> -S <sub>3</sub>	
S	2	6	5	5	2	6	7	3								7	0	Quartz veined in part.	
S	2	6	7	3	2	6	8	3								1	5	Faulted, sheared, low angle S <sub>2</sub> .	
S	2	6	8	3	2	7	1	2										FAULT, healed SHEAR, low angle 35-45°.	
S	2	7	1	2	2	7	5	4								4	0	Quartz-feldspar veined, at 80°.	
S	2	7	6	0	2	7	6	4								7	5	Banded marble.	
S	2	8	1	5	2	8	5	0								6	5	Biotite-marble-garnets S <sub>2</sub> layers.	
S	2	8	5	0	2	8	7	4										FAULT, BRECCIA, GOUGE, 35-50°.	
S	2	8	7	4	2	8	8	2								3	5	1C3, strong S <sub>2</sub> .	
S	2	8	8	2	2	9	0	4								6	0	1C7, contorted S <sub>2</sub> .	
S	2	9	0	4	2	9	3	0								3	5	1C7.	
S	2	9	3	0	2	9	4	0								6	5	1C7.	
S	2	9	4	0	2	9	5	4								5	5		
S	2	9	6	0	2	9	7	0								6	0		
S	3	0	1	0	3	1	0	0								6	5		
S	3	1	0	0	3	1	3	0										Contorted S <sub>2</sub> , S <sub>3</sub> -S <sub>4</sub> kink folds.	
S	3	1	3	0	3	1	5	0								3	5	Contorted S <sub>2</sub> , S <sub>3</sub> -S <sub>4</sub> kink folds.	
S	3	1	5	0	3	2	0	0								7	0	S <sub>2</sub> planars.	
S	3	2	2	0	3	2	5	0								7	0		
S	3	2	5	0	3	2	7	0								3	5		

