

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

019256

Hole Number: 106-38

Fabric Orientation Diagram:

Project: Anvil

Location: Pet, Section 112

Claim: \_\_\_\_\_

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

\_\_\_\_\_ E

Grid Co-ords.: 10,700.78 N  
(Plane)

13,501.77 E

Elevation: 4,310.63 4,200.4  
(Plane) (MSL)

Total Depth: 442'

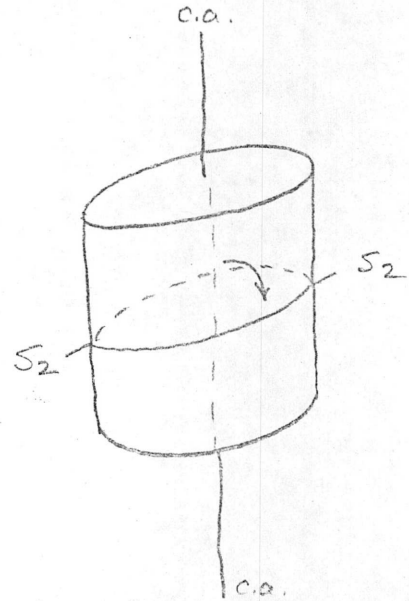
Purpose: Development

Logged by: PFL/J.F. Farley } DSSJ Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

NO 0 442

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



All symmetry determinations looking

N65 with S2 dipping

S65 with dip azimuth 210.



| Code | From    | To      | Unit  | Code       | Description          |
|------|---------|---------|-------|------------|----------------------|
| L    | 10 14   | 16 20   | 22 23 | 25 27      |                      |
| L    | 11 00   | 11 86 0 | 11    | H          | Overburden           |
| L    | 11 86 0 | 11 73 5 | 12    | 1D4        |                      |
| L    | 11 73 5 | 11 78 0 | 13    | 2B0        |                      |
| L    | 11 78 0 | 11 78 8 | 14    | 2C0        |                      |
| L    | 11 78 8 | 11 81 0 | 15    | 2D4        |                      |
| L    | 11 81 0 | 11 82 0 | 16    | 2E0        |                      |
| L    | 11 82 0 | 11 83 4 | 17    | 2D4        |                      |
| L    | 11 83 4 | 11 84 9 | 18    | 2E4        |                      |
| L    | 11 84 9 | 11 86 0 | 19    | 2G E       |                      |
| L    | 11 86 0 | 11 87 9 | 10    | 2E6        |                      |
| L    | 11 87 9 | 12 01 1 | 11    | 2H0 → 2H3  |                      |
| L    | 12 01 1 | 12 01 8 | 12    | 2E4        |                      |
| L    | 12 01 8 | 12 04 3 | 13    | 2H0 → 2H3  |                      |
| L    | 12 04 3 | 12 07 2 | 14    | 2E1 → 2E17 |                      |
| L    | 12 07 2 | 12 09 5 | 15    | 2B0        |                      |
| L    | 12 09 5 | 12 10 5 | 16    | 0Q0        |                      |
| L    | 12 10 5 | 12 12 2 | 17    | 1D4        |                      |
| L    | 12 12 2 | 12 15 8 | 18    | 0Q0        |                      |
| L    | 12 15 8 | 12 59 0 | 19    | 1D4        |                      |
| L    | 12 59 0 | 12 60 0 | 20    | 2B0        |                      |
| L    | 12 60 0 | 12 61 7 | 21    | 2E0 → 2E7  |                      |
| L    | 12 61 7 | 12 64 0 | 22    | 2C0        |                      |
| L    | 12 64 0 | 12 67 0 | 23    | 2B0        |                      |
| L    | 12 67 0 | 12 73 0 | 24    | 1D4        |                      |
| L    | 12 73 0 | 12 74 0 | 25    | 1D4 → 1D41 |                      |
| L    | 12 74 0 | 12 75 5 | 26    | 2C0        |                      |
| L    | 12 75 5 | 12 76 7 | 27    | 2E7 → 2E17 |                      |
| L    | 12 76 7 | 12 78 6 | 28    | 2C0        |                      |
| L    | 12 78 6 | 12 79 1 | 29    | 2E7 → 2E17 |                      |
| L    | 12 79 1 | 12 79 6 | 30    | 2C0        |                      |
| L    | 12 79 6 | 12 83 0 | 31    | 2E7 → 2E17 |                      |
| L    | 12 83 0 | 13 84 0 | 32    | 0D9        | Diabase @ end of pit |
| L    | 13 84 0 | 14 42 0 | 33    | 0D8        | " " " " " "          |
|      |         |         |       |            |                      |
|      |         |         |       |            |                      |

| Code | From |    |    |    | To |    |    |    | Feature | SYE | S <sub>1</sub> |         | S <sub>2</sub> |                                 | Description |
|------|------|----|----|----|----|----|----|----|---------|-----|----------------|---------|----------------|---------------------------------|-------------|
|      | 10   | 14 | 16 | 20 | 22 | 24 | 26 | 28 |         |     | Dip            | Direct. | Dip            | Direct.                         |             |
| S    |      |    |    | 18 | 0  |    |    |    |         |     |                | 60      | 210            |                                 |             |
| S    |      |    |    | 12 | 0  |    |    |    |         |     |                | 60      | 210            |                                 |             |
| S    |      |    |    | 16 | 03 | F4 | Z  |    |         |     |                | 50      | 210            | S <sub>4</sub> = 40/210         |             |
| S    |      |    |    | 16 | 01 |    |    |    |         |     |                | 40      | 210            |                                 |             |
| S    |      |    |    | 16 | 85 | F4 | Z  |    |         |     |                | 60      | 210            | = 25/210                        |             |
| S    |      |    |    | 17 | 09 | F4 | Z  |    |         |     |                | 50      | 210            | = 25/210                        |             |
| S    |      |    |    | 17 | 30 | F4 | Z  |    |         |     |                | 415     | 210            | = 20/210                        |             |
| S    |      |    |    | 17 | 01 | F4 | Z  |    |         |     |                | 50      | 210            | = 35/210                        |             |
| S    |      |    |    | 17 | 94 |    |    |    |         |     |                | 60      | 210            | banding in sulfide zone         |             |
| S    |      |    |    | 18 | 50 |    |    |    |         |     |                | 55      | 210            | " " " "                         |             |
| S    |      |    |    | 18 | 80 |    |    |    |         |     |                | 80      | 210            | " " " "                         |             |
| S    |      |    |    | 20 | 12 |    |    |    |         |     |                | 50      | 210            | " " " "                         |             |
| S    |      |    |    | 20 | 45 |    |    |    |         |     |                | 40      | 210            |                                 |             |
| S    |      |    |    | 20 | 90 | F4 | S  |    |         |     |                | 50      | 210            | S <sub>4</sub> = 70/210         |             |
| S    |      |    |    | 21 | 10 | F4 | S  |    |         |     |                | 50      | 210            | = 70/210                        |             |
| S    |      |    |    | 21 | 74 | F2 | Z  | 85 | 210     | 60  | 210            |         |                | = 35/210 F <sub>4</sub> = Z     |             |
| S    |      |    |    | 22 | 00 | F4 | Z  |    |         |     |                | 60      | 210            | = 40/210 F <sub>4</sub> = 20°NW |             |
| S    |      |    |    | 22 | 50 | F2 | Z  | 30 | 030     | 70  | 210            |         |                | = 35/210 F <sub>4</sub> = Z     |             |
| S    |      |    |    | 22 | 25 | F4 | Z  |    |         |     |                | 60      | 030            | = 60/210                        |             |
| S    |      |    |    | 23 | 00 | F4 | Z  |    |         |     |                | 80      | 210            | = 50/210 See PFL log 227-241    |             |
| S    |      |    |    | 23 | 35 | F4 | S  |    |         |     |                | 40      | 210            | = 70/210 See log 231            |             |
| S    |      |    |    | 23 | 40 | F4 | S  |    |         |     |                | 40      | 210            | = 50/210                        |             |
| S    |      |    |    | 23 | 45 | F4 | S  |    |         |     |                | 5       | 210            | = 60/210 2 short limbs = S      |             |
| S    |      |    |    | 23 | 49 | F4 | Z  |    |         |     |                | 50      | 210            | = 60/210 F <sub>4</sub> = 15°NW |             |
| S    |      |    |    | 23 | 52 | F4 | Z  |    |         |     |                | 85      | 030            | = 65/210 F <sub>4</sub> = 10°NW |             |
| S    |      |    |    | 23 | 57 |    |    |    |         |     |                | 80      | 210            |                                 |             |
| S    |      |    |    | 24 | 23 |    |    |    |         |     |                | 85      | 210            | } See PFL log                   |             |
| S    |      |    |    | 24 | 00 |    |    |    |         |     |                | 85      | 210            |                                 |             |
| S    |      |    |    | 23 | 10 |    |    |    |         |     |                | 80      | 210            |                                 |             |
| S    |      |    |    | 23 | 50 |    |    |    |         |     |                | 85      | 210            |                                 |             |

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 66 04

Fabric Orientation Diagram:

Project: ANVIL

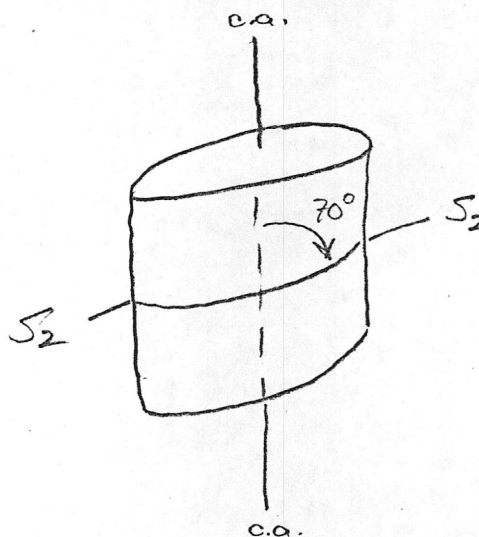
Location: ZONE 1, Sect 112

Claim: FARO

Terr. Plane Co-ords.: 9,999.70 N

14,000.00 E

Grid Co-ords.: \_\_\_\_\_



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 210.

Elevation: 4,192.75 4082.6  
(Mine) (MSL)

Total Depth: 703'

Purpose: Development

Logged by: D.S. JENNINGS Date(s) Logged: \_\_\_\_\_

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

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



## Lithologic Log

| Core | From     | To        | Unit | Code | Description  |    |
|------|----------|-----------|------|------|--|----|
|      | 19       | 20        | 22   | 23   | 25   | 27 |
| L    | 1 0 0    | 1 4 6 0   | 11   | #1   | Overburden   |    |
| L    | 1 4 6 0  | 1 2 1 4 0 | 12   | 1D1C | Bio-musc-andalusite Schist; med. grey brown, thinly banded, variable aluminous, csly porphyroblastic, bio > musc pelitic schist, cf. 1333-1528 in 456-75-12,   |    |
| L    | 2 1 4 0  | 2 4 1 0   | 3    | 1D4  | Musc-bio-andalusite Schist; thinly banded, csly porphyroblastic musc > bio schist of white mica envelope lithology, minor py. bands @233-235' w/ no base metal values, now completely oxidized   |    |
| L    | 2 4 1 0  | 2 4 8 0   | 4    | 2C1C | Sulfide bearing Quartzite; variably pyritic (10-70%), non-magnetic, non-baritic, thinly banded med. bluish grey Qtzite w/ variable amounts of diss. reddish brown ZnS, no significant base metal values  |    |
| L    | 2 4 8 0  | 2 5 7 0   | 5    | 2E1C | Massive Pyritic Sulfides; 80% pyritic sulfides in Qtzite gangue, non magnetic, no major po., weakly banded, non baritic, lead-zinc combined: 2-6.5%, thin zone of spherical py. porphs (colloform/framboidal??) in finely xline black PbS/ZnS matrix |    |
| L    | 2 5 7 0  | 2 5 9 0   | 6    | 2C1C | Pyritic Musc. Qtzite; med. grey, musc-rich, weakly pyritic Qtzite, cf. 241-248, no base metal sulfides or assay values   |    |
| L    | 2 5 19 0 | 3 0 7 0   | 17   | 1D14 | Quartz-musc-andalusite Schist; off white-beige, csly porphyroblastic, laminarly banded, essentially bio free schist of white mica envelope lithology   |    |
| L    | 3 0 7 0  | 3 1 0 0   | 8    | 2E1C | Baritic, Pyritic, massive sulfides; no Qtzite envelope to sulfides, interval mod. well banded, 10-15% BaSO4, no po. or magnetite, approx 10% combined lead/zinc  |    |
| L    | 3 1 0 0  | 3 1 7 0   | 9    | 2E18 | Magnetitic, pyritic massive sulfides; essentially 100% sulfide + oxides, wk ZnS+PbS/ py banding, no po. or barite, interval characterized by 1-3% subhedral magnetite porphs, approx. 7% combined lead/zinc over interval                            |    |
| L    | 3 1 7 0  | 3 1 9 0   | 10   | 2E6  | Baritic, pyritic massive sulfides; cf. 307-310, 5-10% visible grey-white barite, no po. or mag., approx 2.5% combined Pb/Zn  |    |
| L    | 3 1 9 0  | 3 5 1 0   | 11   | 2E8  | Magnetitic, pyritic, massive sulfides; as 310-317, 1-10% magnetite porphyroblasts over interval, should see AMAG/GMAG over this crap-- entire interval highly magnetic, 2.5-8% combined lead zinc, generally low lead values over interval           |    |
| L    | 3 5 1 0  | 3 5 2 5   | 12   | 2C1C | Pyritic Musc Quartzite; as 241-248   |    |
| L    | 3 5 2 5  | 3 5 3 5   | 13   | 2F10 | Massive pyritic sulfides; csly porphyroblastic "buckshot" ore w/ finely xline black PbS/ZnS matrix   |    |

## Lithologic Log

Logged By: DSJ

| Core | From |      | To   |      | Unit | Code  | Description   |
|------|------|------|------|------|------|-------|---|
|      | 13   | 14   | 15   | 20   |      |       |   |
| L    | 1315 | 1315 | 1315 | 1345 | 114  | 21C10 | Pyritic musc Qtzite; as 241-248 & 351-352.5   |
| L    | 1315 | 1315 | 1315 | 1360 | 115  | 21F6  | Baritic, magnetite, pyritic, massive Sulfides; dk grey-black, variably pyritic, w/ky banded sulfides w/ 5-10% BaSO4 as gangue w/ buckshot pyrite porphs and subhedral black magnetite porphyroblasts  |
| L    | 1315 | 1315 | 1315 | 1382 | 116  | 21E10 | Pyritic massive Sulfides; sandy pyritic facies of orebody, free of visible BaSO4 and non-magnetic ie no po. or magnetite combined lead/zinc = less than 5%  |
| L    | 1318 | 1318 | 1318 | 1388 | 117  | 21E8  | Magnetitic, pyritic massive sulfides; as 310-317, essentially no lead and 2.3% zinc over interval   |
| L    | 1318 | 1318 | 1318 | 1406 | 118  | 21E16 | Baritic, pyritic massive sulfides; as 307-310, 317-319, less than 5% combined lead zinc.  |
| L    | 1410 | 1410 | 1410 | 1416 | 119  | 21E16 | Baritic, pyritic massive sulfides; as 388-406 w/ greater than 5% combined lead zinc.  |
| L    | 1411 | 1411 | 1411 | 1431 | 200  | 21E16 | Baritic, pyritic massive sulfides; as 307-310, 317-319 and 388-406 w/ less than 5% combined lead zinc, sandy pyritic facies of orebody w/ barite decreasing toward base of interval no po. or magnetite   |
| L    | 1413 | 1413 | 1413 | 1510 | 211  | 21F10 | Massive Pyritic Sulfides; sandy pyritic facies of orebody w/combined lead zinc much greater than 5% (5.5-30.2% range), sulfides show buckshot pyritic facies in areas of high Pb-Zn, no magnetite or po. and only minor barite, interval is poorly banded and generally = 10% combined, 1' bxia zone 514-515' w/ 1/2" angular Qtzite frags. w/sulfide fragments |
| L    | 1514 | 1514 | 1514 | 1546 | 222  | 21C10 | Pyritic musc-Qtzite; lt silver grey, very micaceous, thinly banded, variably pyritic Qtzite envelope around orebody, unit grading into siliceous musc schist (white mica envelope) toward base of interval, note: 546-573 missing in core libry.  |
| L    | 1514 | 1514 | 1514 | 1627 | 223  | 1D14  | Qtz-musc Schist; off white-beige, laminarly to thinly banded essentially bio free Qtz-musc schist, white mica envelope, Interval characterized by white bull Qtz veins and hairline py., filled post D2 fractures (bull Qtz: post and pre-D2)   |
| L    | 1627 | 1627 | 1627 | 1703 | 224  | 1D14  | Qtz-musc +/- bio Schist; cf. 546-627 w/ minor biotite patches (F2 hinge zones), interval= white mica envelope, one .25" ZnS band @ 703' (last piece of core in hole) EOH  |



CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 65-08

Fabric Orientation Diagram:

Project: Anvil

Location: Pet, Section 112

Claim: \_\_\_\_\_

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

\_\_\_\_\_ E

Grid Co-ords.: 9, 599.8 N

(Mine) 13, 599.9 E

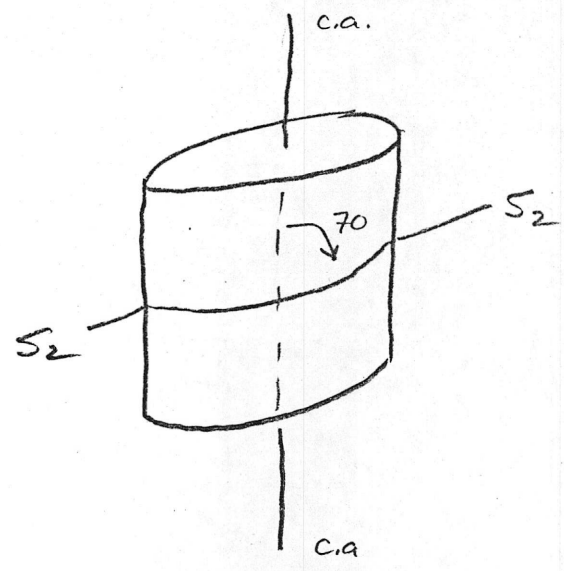
Elevation: 4,169.0 4059.0  
(Mine) (MSL)

Total Depth: 615

Purpose: Development

Logged by: [Signature] Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_



All symmetry determinations looking NSW with S2 dipping SW with dip azimuth 210.

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



## Lithologic Log

Logged By: DSJ

| From    | To      | Unit | Code | Description   |
|---------|---------|------|------|---|
| 1 0 0 0 | 1 5 0 0 | 1    | #    | Overburden  |
| 1 5 0 0 | 1 0 5 0 | 2    | 3D4  | Calc silicate phyllite; inferred from '65 log by D.W. Tully, footage 15-122 missing (boxes 1-4), gouge zone (sand): 80-88   |
| 1 0 5 0 | 1 0 7 5 | 3    | 3C10 | Metabasite; from '65 log  |
| 1 0 7 5 | 1 1 5 0 | 4    | 3D4  | Calc silicate phyllite; probably chlor clinoamph calc silicate assemblage, as inferred from '65 log, (dk greenish blue, brown biotite)  |
| 1 1 5 0 | 1 6 2 0 | 5    | 1D10 | Bio-musc andalusite schist; med brown gray, laminarly to thinly banded, csly porphyroblastic, bio = musc pelitic schist this inferred from 122-148 as remainder of interval is missing slightly carbonaceous, note: 148-176 (box 6) is missing  |
| 1 6 2 0 | 1 6 9 0 | 6    | 1F10 | Graphitic Schist; inferred from '65 log, fault 162-165  |
| 1 6 9 0 | 2 1 6 0 | 7    | 1D10 | Bio-musc andalusite schist; as 115-162, this interval and 115-162 resemble 549-1333 in 456-75-12, note 201-225' missing   |
| 2 1 6 0 | 2 2 6 5 | 8    | 1F15 | Metabasite; med green, weakly banded, completely transposed metabasite, description of 225-226.5', gouge zone: 220-224'   |
| 2 2 6 5 | 3 1 3 0 | 9    | 1D10 | Bio-musc-andalusite schist; as 115-162 & 169-216, interval equiv. to upper aluminous or transitional zone of 456-75-12 ie. 549-1528   |
| 3 1 3 0 | 3 1 8 0 | 10   | 1D10 | Musc-bio-andalusite schist; lt grey brown, thinly banded, csly porphyroblastic, musc > bio pelitic schist, interval close to but not typical white mica envelope lithology, D2 transposed   |
| 3 1 8 0 | 3 1 9 0 | 11   |      | Metabasite; as 216-226.5  |
| 3 1 9 0 | 3 6 5 0 | 12   | 1D10 | Musc-bio-andalusite schist; as 313-318, interval only marginally more musc rich than preceding bio-musc -and schist, interval becomes more siliceous toward base but no true quartzite seen, interval of very blocky core: 331-333--fault zone  |
| 3 6 5 0 | 3 8 2 0 | 13   | 2F13 | Massive pyrrhotitic, pyritic sulfides; typical po >> py massive sulfides w/ minor angular musc-qtzite fragments in pinkish bronze highly magnetic po matrix, note 364-386 (box 14) lgly. spilled and jumbled, 382' boundary best guess only on core % no magnetite or barite visible in jumbled core, 7-14 % combined lead/zinc, no banding measurements possible |
| 3 8 2 0 | 3 8 9 0 | 14   | 2F14 | Massive pyritic sulfides; typical buckshot pyrite facies in black pbs/zns matrix, med xline, non magnetic, non baritic combined lead/zinc = 13-16%, sulfides unbanded   |

## Lithologic Log

| Core | From    | To      | Unit | Code  | Description  |
|------|---------|---------|------|-------|--|
| L    | 3,8,9,0 | 3,9,2,5 | 1,5  | 2,4,3 | → 2434 w/ 2007 logs<br>Massive pyrrhotitic, pyritic sulfides; as 365-382, numerous randomly oriented musc-qtzite fragments, approx 16% combined lead/zinc  |
| L    | 3,9,2,5 | 3,9,4,5 | 1,6  | 2,5,0 | Massive pyritic sulfides; as 382-389, buckshot pyritic facies non-magnetic, non baritic, unbanded, combined pb/zn = 10%  |
| L    | 3,9,4,5 | 3,9,5,0 | 1,7  | 2,5,7 | → 243<br>Massive pyrrhotitic, pyritic sulfides; several 1.5" po bands on pyritic buckshot ore  |
| L    | 3,9,5,0 | 4,0,0,0 | 1,8  | 2,5,0 | Massive pyritic sulfides; as 382-389 & 392.5-394.5, typical buckshot ore (pyritic facies), unbanded, non magnetic, non-baritic, combined lead zinc = 12%   |
| L    | 4,0,0,0 | 4,0,5,0 | 1,9  | 2,4,3 | → 2434<br>Massive pyrrhotitic, pyritic sulfides; as 365-382, 389-392.5, & 394.5-395, 17% combined lead/zinc  |
| L    | 4,0,5,0 | 4,1,1,0 | 2,0  | 2,5,0 | → 244<br>Massive pyritic sulfides; as above, pyritic, buckshot ore, 13% combined lead/zinc   |
| L    | 4,1,1,0 | 4,2,2,0 | 2,1  | 2,4,3 | → 2434<br>Massive pyrrhotitic, pyritic sulfides; as above, po. massive sulfides, no magnetite or barite observed, generally unbanded 15-17% combined lead/zinc, note: 411.5-435.5 (box 16) is somewhat jumbled so that break @ 422' is approx. but fits proportions of different sulfide facies in box |
| L    | 4,2,2,0 | 4,3,0,0 | 2,2  | 2,5,4 | Massive pyritic sulfides; as above intervals of 'buckshot' pyritic facies, non magnetic, non baritic, weakly banded, note: 411.5-435.5 (box 16) somewhat jumbled so that intervals only approximates, approx. combined lead/zinc = 17%   |
| L    | 4,3,0,0 | 4,3,5,0 | 2,3  | 2,4,2 | Massive pyrrhotitic, pyritic sulfides; as above, po. interval minor py porphyroblasts in po. matrix, no visible magnetite or barite, combined lead/zinc = 11%  |
| L    | 4,3,5,0 | 4,4,0,5 | 2,4  | 2,5,8 | Massive Magnetitic, pyritic Sulfides; med xlline, weakly banded, buckshot pyritic facies w/ approx 1% subhedral to anhedral magnetite porphyroblasts over interval, 1" barite zone @ 439.5', no po. noted, contact w/ above po. interval sharp, combined lead/zinc = 9%                                |
| L    | 4,4,0,5 | 4,4,6,0 | 2,5  | 2,4,3 | Massive pyrrhotitic, pyritic sulfides; as previous po. facies no visible magnetite or barite, combined lead/zinc = 11%   |
| L    | 4,4,6,0 | 4,6,1,0 | 2,6  | 2,5,0 | Ribbon banded, graphitic, sulfide bearing Quartzite: thinly banded, lt grey to black, ribbon banded graphitic Qtzite, disseminated reddish-brown zns and pbs, non magnetic, (cont...)  |

Lithologic Log

| Strat | From                 | To   | Unit | Code | Description   |
|-------|----------------------|------|------|------|---|
|       | 14 15 20 22 23 25 27 |      |      |      | non-baritic, note footage tags this interval scrambled, divisions...best guess from good reference point @ 473' + old '65 log, divisions probably good, sulfides 1-15% over interval combined lead/zinc = 6.5-9.5%            |
| L     | 4610                 | 4650 | 27   | 2C0  | Sulfide bearing musc. Qtzite; variably pyritic, thinly banded non-graphitic, non-magnetic, non-baritic, musc Qtzite, approx. 1.5% combined lead/zinc  |
| L     | 4650                 | 4660 | 28   | 1D4  | Qtz-musc schist; beige weakly pyritic, laminarly banded, Qtz-musc schist, white mica envelope lithology   |
| L     | 4660                 | 4800 | 29   | 1D10 | Musc-bio-andalusite schist; as 319-365, interval < 1% diss py throughout, no base metal assay values  |
| L     | 4800                 | 4900 | 30   | 1D4  | Qtz-musc-py Schist; py ≤ 1% over interval, heavily limonite stained, laminarly banded, Qtz musc py schist of white mica envelope lithology  |
| L     | 4900                 | 4913 | 31   | 000  | White Bull Quartz pod/vein; folioform (S2) bull Qtz pod w/ < 1% amoeboid po & py stringers  |
| L     | 4930                 | 5000 | 32   | 1D4  | Qtz-musc-py Schist; as 480-490, white mica envelope, note: 495-521 (box 19) is partially spilled and jumbled and 521-544 (box 20) is entirely destroyed, hence log for 495-544 has been interpreted from 1965 log by DW Tully |
| L     | 5000                 | 5050 | 33   | 1D4  | Qtz-musc py schist; probably more siliceous this interval, w/ 6" massive pyrrhotite band, combined lead zinc this interval 5.9%, interval probably of diss. pbs/zns in siliceous Qtz-musc schist to musc Qtzite               |
| L     | 5050                 | 6150 | 34   | 1D10 | Musc-bio +/- andalusite schist; as 319-365 & 466-480<br>EOH ?   |



CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 66-18

Fabric Orientation Diagram:

Project: Anvil

Location: Pit, Section 112

Claim: \_\_\_\_\_

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

\_\_\_\_\_ E

Grid Co-ords.: 10, 199.7 N  
(Mine)

14, 199.9 E

Elevation: 4, 180.5 4070.3  
(Mine) (MSL)

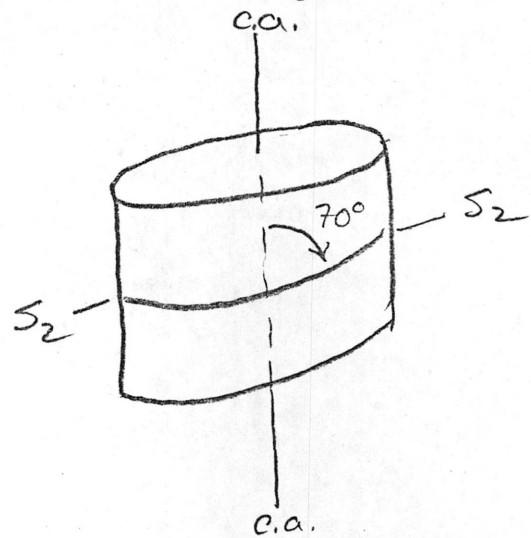
Total Depth: 486

Purpose: Development

Logged by: MAS Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



All symmetry determinations looking

NW with S2 dipping

SW with dip azimuth 210°.

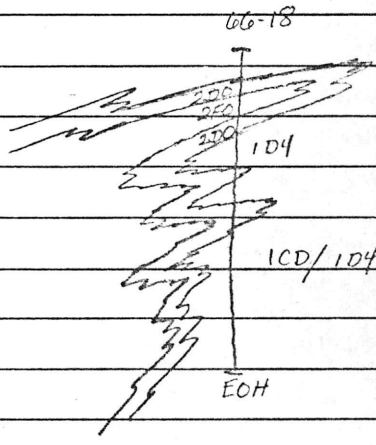


Lithologic Log

| Core | From   | To     | Unit | Code | Description  |
|------|--------|--------|------|------|--|
| L    | 10 0 0 | 14 5 0 | 1    | #    | Overburden   |
| L    | 14 5 0 | 11 2 0 | 2    | #    | NO core recovery   |
| L    | 11 2 0 | 12 1 0 | 3    | 2D0  | Sulfide (pyritic) bearing Qtzites; unit variably sulfide-rich ranging from 20-50%, med to dk grey Qtzite with brown gold py and occasional purple red sphalerite, finely to mod xline, massive to weakly banded, non-magnetic, not perceptively baritic, banding too weak for measurement, combined lead/zinc = 4.5-5.7% with zinc > lead        |
| L    | 12 1 0 | 12 3 0 | 4    | 2F0  | Massive Pyritic Sulfides; brown-gold pyrite w/dk brown-black interxline galena+ sphalerite, med to cslly xline, >80% sulfides w/ combined lead/zinc estimated @ 8%, no banding, non-magnetic, non-baritic  |
| L    | 12 3 0 | 13 8 0 | 5    | 2D0  | Sulfide (Pyrite + Sphalerite) bearing Qtzite; as 112-121 w/ greater base metal percentages, purple red sphalerite clearly visible @7.7-10.1%, total combined lead/zinc = 9-14%   |
| L    | 13 8 0 | 17 0 5 | 6    | 1D4  | Qtz-musc (+/- bio) Schist; lt white beige w/ weak brown and rust red biotite banding and blebs, thinly banded, finely xline, non-magnetic, non porphyroblastic, weakly pyritic < 1%, unit is the Faro white mica envelope lithology, Pb/Zn: mere tr.   |
| L    | 17 0 5 | 19 2 0 | 7    | 2D0  | Sulfide (pyritic) bearing Qtzite; as 112-121 & 123-138, spalerite clearly visible from 5-12% w/ total combined lead/zinc = 7-17%, strongly weathered @188-190, gouge @ lower contact   |
| L    | 19 2 0 | 19 8 0 | 8    | 1D4  | Qtz-musc-bio Schist; heavily altered rust red colour with beige muscovite blebs, thinly banded, vf xline, non-porphyroblastic, v wkly pyritic < 1%, lithology close to white mica envelope, but colour + oxidation questions actual lithology  |
| L    | 19 8 0 | 20 0 0 | 9    | 1D4  | Qtz-musc (+/- bio) Schist; as 138-170.5, very siliceous grading into underlying Qtzite, white mica envelope with musc > bio schist,  |
| L    | 20 0 0 | 21 6 0 | 10   | 2D0  | Sulfide (pyrite) bearing Qtzite; as 112-121, 123-138 & 170.5-192, sulfide percentages range lower @10-50%, base metals strongest between 205-210, banding is weak or massive with disseminated sulfides, combined lead/zinc = 3-13%, unit appears faulted out @ lower contact: gouge and broken core, note fault zones @base of each Qtzite unit |

100% Sphalerite

| Code | From        | To          | Unit | Code | Description  |
|------|-------------|-------------|------|------|--|
|      | 10 14 16 20 | 22 23 25 27 |      |      |  |
| L    | 21160       | 21510       | 11   | 1D4  | Qtz-musc-bio Schist; as 138-170.5 & 198-200, noticeably more biotite banding and blebs, weakly pyritic <1%, closely resembles white mica envelope w/musc > bio schist, trace galena <1%, lower contact gradational   |
| L    | 21510       | 41318       | 12   | 1CD  | → 100<br>Qtz-bio-musc-(+/- fspar-andalusite-garnet) Schist; unit beige-brown w/ variable dk purple-brown (alternating) biotite bands and blebs, the result: bio ≅ musc schist, unit thinly banded, finely to mod. xline, questionably porphyroblastic w/ biotite blebs/clots quite closely resembling andalusite, thin section analysis suggested, unit very weakly garnetiferous, unit weakly pyritic w/ minor banding, py < 1% over interval, missing core: 401-422' |
| L    | 43180       | 44150       | 13   | 1D4  | Qtz-musc-bio Schist; as 138-170.5 & 216-250.5, closely resembles white mica envelope lithology w/musc > bio schist   |
| L    | 44150       | 48160       | 14   | 1CD  | → 100<br>Qtz-bio-musc-(+/- fspar-andalusite-garnet) Schist; as 250.5-438 w/ less biotite banding and increased blebs/clots, minor pyrite fracture fills <1%, core only to 480'   |
|      |             |             |      |      | EOH  |





CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: CG-29

Fabric Orientation Diagram:

Project: Anvil

Location: Pit, Section 117

Claim: \_\_\_\_\_

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

\_\_\_\_\_ E

Grid Co-ords.: 9,399.9 N  
(Mm)

13,397.3 E

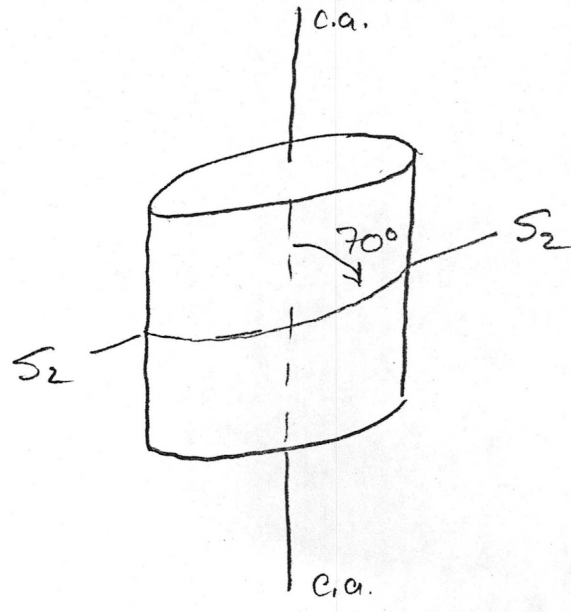
Elevation: 4,150.0 4040.0  
(Mm) (MSL)

Total Depth: 556

Purpose: Development

Logged by: MAS Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_



All symmetry determinations looking NW with S2 dipping SW with dip azimuth 210.

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



| From   | To    | Unit | Code        | Description   |
|--------|-------|------|-------------|---|
| 110    | 1410  | 20   | 22 23 25 27 |   |
| L 00   | 12:50 | 1    | #           | Overburden  |
| L 250  | 3:20  | 2    | 3D1         | Calc silicate Phyllite; green-grey-blue, thinly to laminar-<br>lly banded, finely xlline, chlor-clinoamph comp with a few<br>bio phyll interbands, unit non-calcareous except along<br>calcite fracture fills, mod siliceous, non magnetic, non-<br>carbonaceous  |
| L 320  | 18:60 | 13   | Q.E.R       | Porphyritic hb-bio Diorite; med to dk blue grey in colour,<br>med grain, mafics = 5%, broken core: 67-68' & 85-86',<br>contact angle unavailable  |
| L 860  | 9:10  | 4    | 3D1         | Calc silicate phyllite; as 24-32' w/ mod alteration to a lt.<br>green-grey-blue, core is broken, gouge @ 87-88'   |
| L 910  | 11015 | 15   | Q.E.R       | Porphyritic hb-bio diorite; as 32-86', 90% of core is broken  |
| L 1015 | 1320  | 16   | 3A0         | Calc silicate phyllite; as 24-32 & 86-91, minor med. banded<br>calcareous intervals of up to 1', unit more biotitic than<br>previous intervals, no alteration and good recovery, unit<br>weakly carbonaceous  |
| L 1320 | 1390  | 17   | 3A0         | Qtz-biotite phyllite/schist; lt grey-brown, finely xlline,<br>thinly to laminarllly banded, biotite phyllite grading to a<br>schist, siliceous, non-calcareous, non-magnetic  |
| L 1390 | 2150  | 18   | 1D1C        | Carbonaceous Qtz-Bio-andalusite +/-musc Schist; dk grey-<br>brown w/ dk blue-black andalusite porphs, unit is very thin<br>banded, finely xlline, moderately porphyroblastic, variably<br>carbonaceous to weakly graphitic, two or three (<1') calc<br>silicate interbands to 150', transition zone between calc<br>silicate phyllite and QBMA-schist is from 132-150', unit<br>resembles the upper aluminous zone of 456-75-12, musc is ver<br>weakly mineralized, but increases downhole, bio >> musc schist<br>unit overall; non calcareous(except in calc sil interbands),<br>non-magnetic, no recognizable sulfides of minor or major<br>importance. |
| L 2150 | 2560  | 9    | 1D1C        | Qtz-bio-musc-andalusite schist; med' brown-grey, thinly banded<br>mod. porphyroblastic, fine-med xllinity, variable-but general<br>ly weakly to non-carbonaceous, one graphitic zone @ 223-224,<br>non-calcareous, non-magnetic, cf. aluminous zone 456-75-12   |

| Core | From    | To      | Unit | Code        | Description  |
|------|---------|---------|------|-------------|--|
|      | 13      | 14 15   | 20   | 22 23 25 27 |  |
| L    | 2 5 6 0 | 2 5 7 5 | 1 0  | 0152        | lighter than normal 'aluminous zone'; broken core: 250-252<br>Porphyritic bio-hb Diorite; as 32-86 & 91-101.5  |
| L    | 2 5 7 5 | 2 6 4 0 | 1 1  | 1120        | Qtz-Bio-musc-chlor-andalusite schist; grey-green brown,<br>thinly to med banded, weak to mod. porphyroblastic, fine<br>to med. xllinity, non-carbonaceous, unit cf. 215-256 but<br>modified by mod. chlorite representation, strongly chloritic<br>@diorite contacts, numerous calcite/ankerite sweats and<br>stringers, upper contact with diorite close to horizontal  |
| L    | 2 6 4 0 | 2 6 7 0 | 1 2  | 0150        | Porphyritic bio-hb Diorite; as 32-86 & 256-257.5, core is<br>broken and the recovery is less than 50%  |
| L    | 2 6 7 0 | 2 7 0 0 | 1 3  | 1100        | Qtz-bio-musc-andalusite schist; as 215-256, non-carbonaceous   |
| L    | 2 7 0 0 | 2 7 1 0 | 1 4  | 0158        | Interleaved Porphyritic Hb-bio Diorite & Qtz-bio-musc-andul<br>schist; Diorite (65%) is as 32-86 & 264-267 and XX-cuts<br>schist lithology (35%) as in 215-256 & 267-270 at any angle  |
| L    | 2 7 1 0 | 3 9 8 0 | 1 5  | 1100        | Qtz-bio-musc-andalusite Schist; as 215-256, wk to non-<br>carbonaceous, core @ Anvil minesiteto 352 & @ Bostock library<br>Whitehorse to EOH, some chiasmatic andalusite, trace py<<1%<br>med. grey, thinly banded, finely xlline, mod porphyroblastic<br>unit clearly resembles upper 'aluminous zone' of 456-75-12,<br>lower contact gradual with a slow increase in musc observed,<br>otherwise bio is greater than musc schist |
| L    | 3 9 8 0 | 4 0 7 0 | 1 6  | 1104        | Qtz-musc Schist; lt grey beige, very thinly banded, vf xlline<br>white mica envelope lithology, weakly graphitic, interval a<br>fault zone with gouge, blocky and broken core, very poor<br>recovery(<50%), strongly siliceous, weakly pyritic <1%   |
| L    | 4 0 7 0 | 4 1 1 0 | 1 7  | 2100        | Bxiated massive pyritic sulfides; gold-brown, massive to<br>obxiated w/several vuggy sections, difficult to ascertain<br>components, matrix + clasts are massive sulfides, assay values<br>in old log are basically NFG. ie. there is not 16% combined<br>lead/zinc in interval 405-410, core broken and rubbly, hole<br>deflected and redrilled via cementing from 403, 15' overlap   |
| L    | 4 1 1 0 | 4 2 5 0 | 1 8  | 2143        | Massive pyrrhotitic sulfides: purple-gold, massive, dense,<br>magnetic, finely xlline, non-brecciated, very weakly baritic<br>(ie<<1%), combined lead/zinc very high 15-20%, sulfides >80%   |

| From     | To       | Unit | Code  | Description   |
|----------|----------|------|-------|---|
| 14 2 5 0 | 14 2 7 0 | 119  | 21E14 | Massive pyritic sulfides; brown-gold, finely to med xlline massive, non-bxiated, non-magnetic, py = 85%, dense w/ combined lead/zinc = 10% from 425 to 430  |
| 14 2 7 0 | 14 2 7 5 | 210  | 2143  | Massive pyrrohotitic sulfides; as 411-425.  |
| 14 2 7 5 | 14 4 0 0 | 211  | 2100  | Sulfide Bearing Quartzite; lt grey w/wk comp. banding, finely xlline w/ banded and disseminated sulfides, ie pyrite, galena and sphalerite, combined lead/zinc = 4.5% w/ total sulfides = 25%, non magnetic, non bxiated  |
| 14 4 0 0 | 14 6 0 0 | 212  | 21A0  | Graphitic Quartzite; dk grey, thinly to laminarly banded, vf xlline, mod graphitic, sulfides are banded and/or disseminated with totals approx = 20%, combined lead/zinc = 4%, remaining 15%pyrite,   |
| 14 6 0 0 | 14 7 4 0 | 213  | 21A0  | Carbonaceous Qtz-musc Schist; lt to med. beige grey, variably carbonaceous, thinly banded, finely xlline, unit strongly affected by crenulated foliations, non-magnetic, non-bxiated, total sulfides = 10% or less, combined lead/zinc from 460-465 = 7%, drops off to 1% thereafter, lower contact gradational, 6" bull qtz vein @465'                           |
| 14 7 4 0 | 15 5 6 0 | 214  | 11010 | Qtz-bio-musc-andulusite Schist; as interval to 398, variably carbonaceous to 480', generally bio > musc schist, several 3" bull qtz veinlets, weakly pyritic < 1% , slightly garnetiferis @510-511', unit typifies upper 'aluminous zone' of 456-75-12 wrt to colour and aluminum content, fault zone 529-532 with associated gouge, bxia, broken and blocky core |

EOH



CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 66-35

Fabric Orientation Diagram:

Project: Anvil

Location: Pet, Section 112

Claim: \_\_\_\_\_

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

\_\_\_\_\_ E

Grid Co-ords.: 10,095.8 N

(Mine)

14,099.6 E

Elevation: 4178.8 4068.6  
(Mine) (MSL)

Total Depth: 486

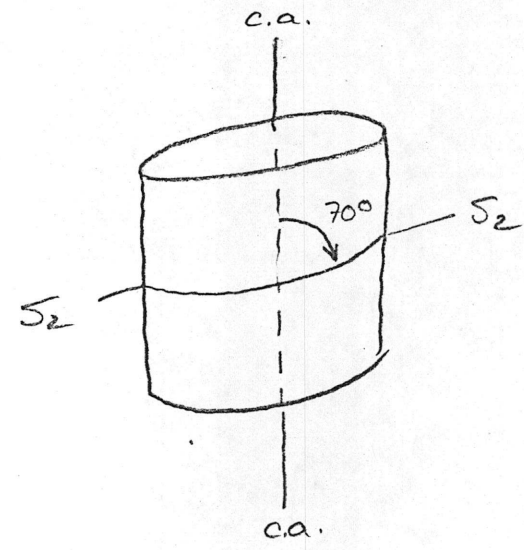
Purpose: Development

Logged by: MAS Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



All symmetry determinations looking SW with S2 dipping SW with dip azimuth 210.



## Lithologic Log

Logged By: MAS

| Code | From     | To        | Unit | Code | Description   |
|------|----------|-----------|------|------|---|
| L    | 14 0 0   | 15 4 6 0  | 1    | #    | Overburden  |
| L    | 14 6 0   | 15 5 2 0  | 2    | OEF  | Qtz Diorite; altered, greenish grey, (per old log info)   |
| L    | 15 2 0   | 16 0 2 0  | 3    | 1D10 | Tricone Drill; crumbly core   |
| L    | 16 0 2 0 | 17 12 7 0 | 14   | 1D14 | Qtz-musc +/-biotite Schist; grey beige with occasional rust red biotite bands, thinly banded, mod. xlline, very wkly pyritic <1%, white mica envelope lithology, more siliceous downhole, non-magnetic  |
| L    | 17 2 7 0 | 18 2 8 0  | 5    | 2C0  | Sulfide bearing Quartzite; lt grey w/brown gold pyrite, approx. 20% sulfides w/ 1-5% combined lead/zinc, unit massive, finely xlline, unbxiated, non-magnetic, non-baritic  |
| L    | 18 2 8 0 | 19 3 1 0  | 6    | 1D14 | Qtz-Musc Schist; cf. 102-127, minus any appreciable biotite, <math>\leq 10\%</math> diss. sulfides, trace lead/zinc <math>< 1\%</math>, strongly siliceous typical white mica envelope lithology, non-magnetic, very buff white, broken core and minor bxia @ 128.5-130   |
| L    | 19 3 1 0 | 20 4 0 5  | 7    | 2F6  | Massive pyritic, baritic +/- magnetitic Sulfides; brown-gold pyrite interspaced with grey white barite (10%) and dk grey-black sphalerite + galena (10-11%), med. xlline, weakly banded, magnetite <math>< 5\%</math> over interval 131-139, unbxiated, magnetic  |
| L    | 20 4 0 5 | 21 4 2 0  | 8    | 1D14 | Qtz-musc Schist; as 128-131 & cf. 102-127, diss sulfides <math>< 5\%</math>, strongly siliceous, typical white mica envelope lithology  |
| L    | 21 4 2 0 | 22 4 3 0  | 9    | 2F6  | Massive pyritic, baritic, +/- magnetitic sulfides; as 131-140.  |
| L    | 22 4 3 0 | 23 4 6 5  | 10   | 1D14 | Qtz -musc Schist; as 128-131 & 140.5-142 and cf. 102-127, total sulfides <math>< 5\%</math>, typical white mica envelope lithology  |
| L    | 23 4 6 5 | 24 4 9 0  | 11   | 2H3  | Massive Pyrrhotitic + Pyritic Sulfides; dk red brown, massive, finely xlline, massive po. = 25% with minor py., lead zinc combined =1%, unbxiated, magnetic, non-baritic  |
| L    | 24 4 9 0 | 25 8 6 5  | 12   | 1D14 | Qtz-musc-bio (+/- garnet, andalusite) Schist; as 102-127 but noticeably more porphyroblastic, and more biotitic, unit strongly siliceous within 2' of lower and upper contacts, unit still remains within the white mica envelope lithology, <math>\cong 1\%</math> pyrite w/<math>\leq 1\%</math> galena and sphalerite, unit moderately altered, sulfides disseminated and partially banded |
| L    | 25 8 6 5 | 26 9 14 0 | 13   | 2D14 | Sulfide bearing, carbonaceous Qtzite; med to dk grey w/ brown-gold pyrite and purple brown sphalerite in distinctive comp. bands, unit is approaching massive sulfide proportions @ 60% combined lead-zinc = 14-17% w/ the majority being Zn/sphalerite   |

## Lithologic Log

Logged By: MAS

| Code | From  | To    | Unit  | Code  | Description  |
|------|-------|-------|-------|-------|--|
| L    | 10 14 | 15 20 | 22 23 | 25 27 | @ 11-13%, unit thinly/wkly banded, finely xline, variably graphitic approaching carbonaceous, non-magnetic, non-baritic  |
| L    | 19 40 | 20 07 | 1 4   | 2 0   | Sulfide Bearing Qtzite; lt to med grey with brown gold pyrite and no appreciable PbS/ZnS mineralization, banded, finely xline non-bxiated, non-magnetitic, combined lead zinc = 2.5%, total sulfides 30-40%, |
| L    | 20 07 | 21 30 | 1 5   | 1 0   | Qtz-musc +/- Bio Schist; as 102-127, total sulfides <1% with only trace lead zinc combined $\leq$ 1%, white mica envelope lthgy.   |
| L    | 21 30 | 22 75 | 1 6   | 2 0   | Sulfide bearing Qtzite; as 186.5-194, non carbonaceous, total sulfides 30-70% and combined lead/zinc 7-13%   |
| L    | 22 75 | 24 30 | 1 7   | 2 0   | Pyritic Massive Sulfides; brown-gold pyrite, med to csly xline wkly banded, non-magnetic, non-baritic, combined lead zinc = 4-10%, buckshot ore facies   |
| L    | 24 30 | 24 50 | 1 8   | 2 8   | Massive pyritic-magnetitic Sulfides; cf. 131-140.5 w/ no po., barite or banding, good magnetite, magnetic response, out of buckshot ore zone   |
| L    | 24 50 | 26 10 | 1 9   | 2 4   | Massive Pyritic Sulfides; as 227.5-243, typical 'buckshot' ore, combined lead/zinc = 11.5-21% (higher than previous interval)  |
| L    | 26 05 | 28 50 | 2 0   | 2 4   | Sulfide Bearing Qtzite; as 194-200.7, non-magnetic, non-baritic, wk to mod banding, sulfides= 30-60%, combined Pb/Zn = 10-22%  |
| L    | 28 50 | 29 50 | 2 1   | 2 0   | Sulfide bearing Qtzite; as 194-200.7 & 260.5-285 w/ only difference being combined lead/zinc $\leq$ 5%, bull Qtz vein w/ galena @ 284.5-287, total sulfides = 20-50%   |
| L    | 29 50 | 32 15 | 2 2   | 2 0   | Sulfide bearing Qtzite; as 194-200.7 & 260.5-285, combined lead/zinc = 7-14%, total sulfides = 15-60%, non-baritic, non-magnetic, mod. strong banding (sulfides), ie. pyrite                                 |
| L    | 32 55 | 32 75 | 2 3   | 2 8   | Sulfide bearing Qtzite; as 194-200.7 & 295-325.5, magnetite and pyrite bearing Qtzite  |
| L    | 32 75 | 32 81 | 1 2   | 4     | Gouge Zone   |
| L    | 32 81 | 33 80 | 2 5   | 2 0   | Sulfide bearing Qtzite; as 194-200.7 & 295-325.5, py-bearing, non-magnetic, non-baritic, mod banding, combined Pb/Zn = 7-8%  |
| L    | 33 80 | 35 50 | 2 6   | 2 0   | Massive Pyritic Sulfides; as 227.5-243 and 245-260.5, mod. well banded, wk po. bands: 1" @342 & 3" @346, non-magnetic, non-baritic, combined lead/zinc = 2.5-8%  |

## Lithologic Log

Logged By: MAS

| Code | From    | To      | Unit | Code | Description   |
|------|---------|---------|------|------|---|
| L    | 13550   | 13570   | 27   | 2H13 | Massive Pyrrhotitic-pyritic Sulfides; as 146.5-149  |
| L    | 13570   | 13585   | 28   | 2F11 | Massive Pyritic Sulfides; as 227.5-243 & 338-355, combined lead/zinc over 355-360 interval = 19%  |
| L    | 1315185 | 1316100 | 219  | 2D14 | Sulfide bearing Qtzite; as 194-200.7 & 328.1-338, sulfides in interval = 20-80%   |
| L    | 13600   | 13630   | 30   | 2C17 | Sulfide bearing Qtzite; py > po, lt grey-med. grey, thinly banded, variably sulfidic =15-60%, fine to med xlline, non-baritic, non-magnetic, combined lead-zinc =5%   |
| L    | 1316130 | 1316150 | 31   | 2C10 | Sulfide bearing Qtzite; as 194-200.7 & 358.5-360, total sulfides =50-60%, lead/zinc combined $\leq$ 5%, pyritic only  |
| L    | 13650   | 13700   | 32   | 2C17 | Sulfide bearing Qtzite; as 360-363, py > po, unit insipiently brecciated w/ little apparent rotation of clasts in sulfide matrix, total sulfides = 5-80%, combined lead/zinc =1-5%  |
| L    | 13700   | 13730   | 33   | 2C17 | Sulfide bearing Qtzite; lt-med grey, insipiently bxiated, variably muscovitic qtzite -- increasing downhole, angular qtzite fragments in lgly a po. matrix, po > py, wkly banded to bxiated, total sulfides ave. 30%, combined lead/zinc = 4%                 |
| L    | 137130  | 1318140 | 34   | 1D14 | Qtz-musc Schist; as 102-127 & 200.7-213, white mica envelope lithology, folioform pyrite <1%, combined lead/zinc << 1%  |
| L    | 13840   | 13910   | 35   | 2C17 | Sulfide Bearing Qtzite; as 370-373, total sulfides are 30%, wk to med banding + insepient bxiation, combined Pb/Zn = 8%   |
| L    | 13910   | 139170  | 36   | 2H13 | Massive Pyrrhotitic + Pyritic Sulfides; cf. 146.5-149 & 355-357, massive po >> py sulfides, angular to subrounded, sulfide free qtzite clasts in vf xlline, unbanded matrix, up to .25" py porphs @ 394-395, total sulfides = 90-95%, combined lead/zinc = 7% |
| L    | 139170  | 140140  | 37   | 2C17 | Sulfide bearing Qtzite; as 370-373 & 384-391, po > py, combined lead/zinc = 13%, total sulfides = 20-30%, wkly banded to bxiated  |
| L    | 140140  | 142170  | 38   | 1D14 | Qtz -musc (+/- bio-pyrite) Schist; as 102-127 and 373-384, typical white mica envelope lithology, intrval characterized by amoebode pyrite blebs <1%, this seems to be significant difference between upper and lower white mica envelope                     |
| L    | 14270   | 14295   | 39   | 0Q10 | Bull Qtz pod/vein; 50° to c.a.  |
| L    | 1412195 | 1418130 | 40   | 1D14 | Qtz-musc (+/- bio-pyrite) Schist; as 404-427, white mica envelope lithology   |



CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 66-54

Fabric Orientation Diagram:

Project: Anvil

Location: Pet, Section 112

Claim: \_\_\_\_\_

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

\_\_\_\_\_ E

Grid Co-ords.: 9,300.0 N

(Mine)

13,297.0 E

Elevation: 4,136.0 4,026.0  
(Mine) (MSL)

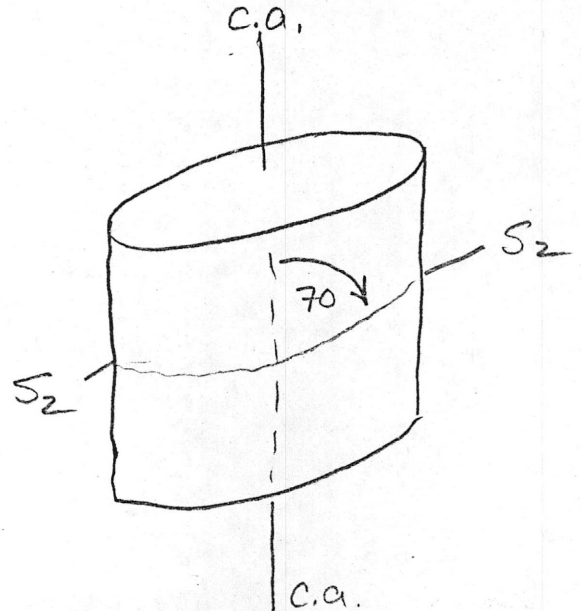
Total Depth: 1305

Purpose: Development

Logged by: MAS Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



All symmetry determinations locking

NW with S2 dipping

SW with dip azimuth 210.



## Lithologic Log

| Core | From  | To    | Unit | Code | Description   |    |
|------|-------|-------|------|------|---|----|
|      | 10    | 20    | 22   | 23   | 25  | 27 |
| L    | 10 0  | 21 0  | 1    |      | Overburden  |    |
| L    | 21 0  | 29 0  | 2    | 3D4  | Calc silicate phyllite; thinly banded, clino px, diopside bearing assemblage and purple brown bio phyllite, finely xlln   |    |
| L    | 29 0  | 40 0  | 3    | 3D1  | Interbanded cpx, chor & clinoamph calc silicate assemblages   |    |
| L    | 40 0  | 106 0 | 4    | 3D1  | Calc silicate phyllite; chlor-clino amph assemblages  |    |
| L    | 106 0 | 115 0 | 5    | 3D4  | Calc silicate phyllite; interbanded chlor-clinoamph and qtz-plag-ep bearing phase assemblages with minor reddish brown bio-phll interbands  |    |
| L    | 115 0 | 130 0 | 6    | 3D4  | Calc silicate phyllite; zone of broken, fractured and gouged core, entire interval rubbly in core box. Probable fault zone<br>No contact relationships available.   |    |
| L    | 130 0 | 148 0 | 7    | 3D4  | Calc silicate phyllite; as 106 to 115'  |    |
| L    | 148 0 | 152 0 | 8    | 3D4  | Calc silicate phyllite; as 21 to 29'  |    |
| L    | 152 0 | 155 0 | 9    | 3D1  | Metabasite  |    |
| L    | 155 0 | 180 0 | 10   | 3D1  | Calc silicate phyllite; diop-plag-qtz bearing assemblage, calcareous, less than 10% bio-phyll interbands  |    |
| L    | 180 0 | 187 0 | 11   | 3D3  | Calc silicate phyllite; ep-chlor-bearing assemblage, entire interval rubbly, heavily fractured with some gouge zones, fault zones, unit calcareous  |    |
| L    | 187 0 | 213 0 | 12   | 3D1  | Calc silicate phyllite; ep-chlor-clino amph assemblage, entire interval heavily fractured with broken core, 50% recovery from 208 to 213', Suggestion of fault zone, numerous calcite stringers and veinlets, variable calcareous banding                                     |    |
| L    | 213 0 | 225 0 | 13   | 3D3  | Brecciated calc silicate phyllite; med green, weakly bxiated calc silicate clasts in a calcareous phyllite + chlorite matrix. Unit also becoming siliceous downhole, minor ZnS  |    |
|      |       |       |      |      | << 1% @ 213-214'. Core broken and blocky with heavy fracturing  |    |
| L    | 225 0 | 233 0 | 14   | 3E0  | Variably Carbonaceous to Graphitic Calc silicate phyllite; dk grey to dk grey green assemblage of clinoamph + qtz + bio is variably carbonaceous and strongly siliceous, thin to laminar banding, vf xlline, essentially no broken core, good calcite/ankerite veinlet @ 230' |    |
| L    | 233 0 | 250 0 | 15   | 3D1  | Calc silicate phyllite; cpx-clinoamph- <sup>+</sup> ep assemblage w/ less than 5% bio phyll interbands, thinly to laminarily banded vf xlline, non-calcareous.  |    |

Lithologic Log

| Code | From    | To      | Unit | Code | Description  |
|------|---------|---------|------|------|--|
| L    | 2 5 0 0 | 2 5 1 0 | 1 6  | 3D11 | Polymictic Breccia; dk green to lt green angular clasts in a xlline calcite matrix, One fragment is strongly pyritic(40%), Matrix is also in part a chlorite-epidote mass, associated gouge and broken core  |
| L    | 2 5 1 0 | 2 6 2 0 | 1 7  | 3D13 | Calc silicate phyllite; interbanded chlor-clinoamph and qtz-ep-calc-plag assemblages, calcareous, progressively carbonaceous towards base  |
| L    | 2 6 2 0 | 2 6 7 0 | 1 8  | 3E10 | → 3049<br>Variably carbonaceous to graphitic calc silicate phyllite; as 225 to 233'  |
| L    | 2 6 7 0 | 2 7 9 5 | 1 9  | 3D18 | Calc silicate phyllite; beige brown, qtz-rich assemblage w/ chlor-clinoamph-ep accessories, variably carbonaceous core broken and blocky   |
| L    | 2 7 9 5 | 2 8 7 0 | 2 0  | 01E8 | Diorite dike; supercooled, grey-brown porphyritic variety w/ hb-bio-plag mineralogy  |
| L    | 2 8 7 0 | 2 9 1 0 | 2 1  | 3D13 | Calc silicate phyllite; 6" graphitic zone@288', otherwise chlor-ep-plag-qtz assemblage   |
| L    | 2 9 1 0 | 3 2 2 0 | 2 2  | 3A10 | Interbanded sequence of Calc silicate phyllites and qtz-bio-musc-chor-andalusite schists; this zone marks the transition between the phyllite and the schist map units, the phyllite is chlor-clinoamph-ep (± dipp and plag) assemblage and makes up 60-70% of the unit, the schist is variably green-grey-brown, thinly banded, chlorite rich transition phase, mod. porphyroblastic, very weakly pyritic and carbonaceous                  |
| L    | 3 2 2 0 | 4 1 5 0 | 2 3  | 1D10 | Qtz-bio-musc-andalusite schist; med beige grey, thinly banded mod. porphyroblastic, fine to medium xllinity, very weakly pyritic and carbonaceous, mod to strongly siliceous. Overall the core is extremely blocky and in short 2" pieces, Footage: 394-406' is lost or scrambled. Core recovery = 75% over unit increasingly carbonaceous downhole, bio generally subequal to musc schist. UNIT resembles upper aluminous zone of 456-75-12 |
| L    | 4 1 5 0 | 4 1 6 0 | 2 4  | 1D14 | Qtz-musc schist; off white with rust red tint and occasional laminae, unit thinly banded, vf xlline, non porphyroblastic<br>Typical white mica envelope lithology, note absence of any appreciable white mica envelope and of the total absence of overlying qtzite.   |

## Lithologic Log

Logged by: MAS

| Code | From  | To   | Unit | Code | Description  |
|------|-------|------|------|------|--|
| L    | 41160 | 4190 | 25   | 2H3  | Massive pyrrhotitic sulfides; dk red-brown-gold, massive, fg, non-bxiated, unbanded, non-magnetic, non-baritic, total sulfides 70-85%, total po 30%, combined lead/zinc 12%  |
| L    | 4190  | 4210 | 26   | 2F0  | Massive Pyritic Sulfides; gold py 70% w/ black intergranular galena/sphalerite, non-magnetic, non-baritic. combined lead/zinc = 10%, unbxiated, no banding, typical cse grain "buck-shot" ore appearance.  |
| L    | 4210  | 4290 | 27   | 2H3  | Massive pyrrhotitic sulfides; as 416 to 419, minor bxiation w/ occasional qtzite and py clasts in a fg pyrrhotite matrix. po = 30%, visible py = 10%, combined lead/zinc = 12-16%  |
| L    | 4290  | 4335 | 28   | 2F0  | Massive Pyritic sulfides; as 419-421', combined lead/zinc = 13%  |
| L    | 4335  | 4380 | 29   | 2C0  | Sulfide bearing Quartzite; lt grey, mod banded, finely xlline pyrite, galena, sphalerite bearing qtzite, total sulfides are less than 15%, combined lead/zinc = less than 5%, core is broken, split and blocky, several sulfide bearing bull qtz veinlets, non magnetic and non baritic  |
| L    | 4380  | 4390 | 30   | Q00  | Bull Quartz Vein; with 10% massive xlline galena and sphalerite  |
| L    | 4390  | 4485 | 31   | 2C0  | Sulfide Bearing qtzite; as 433.5 to 438, total sulfides are less than 10%, combined lead/zinc = 3%   |
| L    | 4485  | 4640 | 32   | 1D4  | Qtz-musc <sup>+</sup> bio Schist; lt beige grey with occassional brown biotite bands, schist is essentially 60% SiO <sub>2</sub> with a close to white mica envelope lithology following the ore zone, garnetiferous @ 454', unit variably micaceous, unit weakly pyritic (less than 1%), unit weakly carbonaceous, thinly banded, med xllinity, non-porphyroblastic, contact with underlying unit purely a subjective choice due to the slow gradation of lithologies                                 |
| L    | 4640  | 6060 | 33   | 1C0  | Qtz-musc-bio-andalusite <sup>+</sup> garnet Schist; med grey brown, thinly banded becoming med banded downhole, Bull Qtz veins: @ 523.5' (8''), @ 573.5' (8''): unit sees bio generally greater than musc schist. Musc appears subequal to bio thru footage 54'-555', good pyrite = 1% in qtz-musc bio schist interband @ 554-555'. The following footage is missing: 476-489 & 559-572'. unit is sporatically garnetiferous, unit very weakly carbonaceous. Equiv. to lower sub-aluminous zone (7512) |

Lithologic Log

| Code | From    | To        | Unit | Code    | Description  |
|------|---------|-----------|------|---------|--|
| L    | 6,0,6,0 | 6,2,9,0   | 3,4  | 1,1,1,1 | Qtz-musc-bio-andalusite-(+/-Chlor) Schist; med beige-green grey, thinly banded, fine to med xllinity, variably porphyroblastic, broken core @619-622', musc greater than bio schist, no significant py or garnet, very sporatically and weakly carbonaceous.   |
| L    | 6,2,9,0 | 6,4,0,0   | 3,5  | 1,1,1,1 | Carbonaceous pyritic, Qtz, bio, musc Schist; dk grey to black w/ rust yellow py oxidation, thinly to laminarly banded, finely xlline, py remains less than 1%, garnet @ 635', 1" bx zone @637', generally strongly carbonaceous to graphitic, missing core: 640-653'   |
| L    | 6,4,0,0 | 6,5,8,0   | 3,6  | 1,1,1,1 | Qtz-musc-bio-andalusite Schist; as 606-629, w/ more biotite musc= bio schist, note missing footage: 640-653, weakly pyritic < 1%   |
| L    | 6,5,8,0 | 6,5,9,5   | 3,7  | 0,0,1,0 | Bull Quartz Vein   |
| L    | 6,5,9,5 | 7,1,7,5   | 3,8  | 1,1,1,1 | Qtz-musc-bio-andalusite schist; as 606-629 & 640-658, med. grey-beige, generally weakly porphyroblastic, generally musc > bio schist   |
| L    | 7,1,7,5 | 7,1,9,0   | 3,9  | 1,1,1,1 | Breccia Zone; steeply dipping @20° to ca., about 10" in width, generally w/ silicious schist and ankerite angular fragments in a microxlline matrix  |
| L    | 7,1,9,0 | 9,1,9,3,5 | 4,0  | 1,1,1,1 | Qtz-musc-bio-andalusite schist; as 606-629 & 659.5-717.5, generally musc > bio schist w/ a few zones of musc = bio, unit lengthy w/very little variation, andalusite porphs decrease slightly downhole, missing core: 805-820 & 888-901, 8" gouge, broken core @ 839', blocky core @ 901', 6" gouge zone @ 930', broken & blocky core @ 938-940', lower contact relatively sharp |
| L    | 9,9,3,5 | 1,1,1,2,0 | 4,1  | 1,1,1,1 | Qtz-musc-bio (+/- andalusite, garnet) Schist; as 659.5-717.5 w/ musc > bio schist, unit weakly porphyroblastic, w/ sparsely distributed andalusite and the occasional garnetiferous zones, variably biotitic, gouge and broken core: 1108-1114 unit's lithology shows transition to Qtz-fspathic schist  |

| Core | From      | To             | Unit | Code | Description   |
|------|-----------|----------------|------|------|---|
| L    | 113 14 15 | 20 22 23 25 27 | 4 2  | 1100 | Qtz-musc-bio-(+/-andalusite) Schist; as 606-629 & 719-993.5 strongly qtz and musc rich, musc greater than bio schist, approaching white mica envelope lithology, low/sparse distribution of biotite and andalusite, note a very weakly bxiated zone @ 1144-1145 (more fracturing than bxia), by last 10' of interval bio +/- andalusite has returned marking a gradational contact with the lower qtzo-fspathic schist, core broken and rubbly: 1153-1175 |
| L    | 111 7 9 0 | 12 5 8 0       | 4 3  | 1100 | Qtzo-fspathic-bio-musc schist; beige-brown, thinly to med. banded, med xllinity, occassional andalusite and garnet porphs, bio = musc schist, good bull quartz veining w/ pink andalusite and occassional felsic components: @1214 (12"), @1220 (3"), @1225 (6"), @1241 (12") & @1246 (15"); becoming weakly pyritic by end of unit, shist phase is qtzo-fspathic as designated in DDH 456-75-12  |
| L    | 12 5 8 0  | 12 6 8 0       | 4 4  | 1100 | Qtzo-fspathic-musc-bio Schist; as above 1179-1258 with musc greater than bio schist, unit weakly pyritic, tan beige, musc equiv. of qtzo-fspathic phase lithology, broken and rubbly core: 1262-1264  |
| L    | 12 6 8 0  | 13 0 5 0       | 4 5  | 1100 | Qtzo-fspathic-bio-musc Schist; as 1179-1258 & 1258-1268 w/ bio = musc schist, some minor garnet, py and po mineralizati on way less than 1%, over unit bio:musc = 60:40 composition   |
|      |           |                |      |      | EOH   |

Structural Log

| Code | From |    |    |       | To |    |    |    | Feature | S <sub>1</sub><br>Dip Direct. | S <sub>2</sub> |     | Description  |
|------|------|----|----|-------|----|----|----|----|---------|-------------------------------|----------------|-----|--|
|      | 10   | 14 | 16 | 20    | 22 | 24 | 26 | 28 |         |                               | 32             | 34  |  |
| S    |      |    |    | 495   |    |    |    |    |         |                               | 70             | 210 |  |
| S    |      |    |    | 1020  |    |    |    |    |         |                               | 70             | 210 |  |
| S    |      |    |    | 1500  |    |    |    |    |         |                               | 70             | 210 |  |
| S    |      |    |    | 2030  |    |    |    |    |         |                               | 70             | 210 | S <sub>2</sub> surface (stickensides) 35° to c.a. @ 204'                     |
|      |      |    |    |       |    |    |    |    |         |                               |                |     | Post D <sub>2</sub> crenulation foliations @ 262-267'                        |
| S    |      |    |    | 3010  |    |    |    |    |         |                               | 65             | 210 |  |
| S    |      |    |    | 3500  |    |    |    |    |         |                               | 82             | 210 | Complete D <sub>2</sub> transposition of D <sub>1</sub> fabric.              |
|      |      |    |    |       |    |    |    |    |         |                               |                |     | S <sub>2</sub> @ 350 has range 80-85° to c.a.                                |
| S    |      |    |    | 3960  |    |    |    |    |         |                               | 75             | 210 |  |
| S    |      |    |    | 4350  |    |    |    |    |         |                               | 75             | 210 | Compositional banding in sulfide bearing quartz.                             |
| S    |      |    |    | 4540  |    |    |    |    |         |                               | 55             | 210 | Numerous post D <sub>2</sub> crenulation folds                               |
| S    |      |    |    | 5000  |    |    |    |    |         |                               | 80             | 210 | From 464-606, unit essentially shows complete D <sub>2</sub>                 |
| S    |      |    |    | 5500  |    |    |    |    |         |                               | 65             | 210 | transposition of D <sub>1</sub> fabric: some relict F <sub>1</sub> hinges.   |
| S    |      |    |    | 6000  |    |    |    |    |         |                               | 70             | 210 | Also post D <sub>2</sub> crenulation folds                                   |
|      |      |    |    |       |    |    |    |    |         |                               |                |     | 606-629 interval shows increasingly incomplete                               |
|      |      |    |    |       |    |    |    |    |         |                               |                |     | D <sub>2</sub> transposition becoming more prevalent as                      |
|      |      |    |    |       |    |    |    |    |         |                               |                |     | and relict F <sub>1</sub> fold hinges become more abundant.                  |
| S    |      |    |    | 6310  |    |    |    |    |         |                               | 75             | 210 | Line of S <sub>2</sub> strikes    to line of F <sub>1</sub> fold axis @ 631' |
| S    |      |    |    | 6960  |    |    |    |    |         |                               | 70             | 210 | D <sub>2</sub> transposition of D <sub>1</sub> fabric incomplete: 659.5-71'  |
| S    |      |    |    | 7500  |    |    |    |    |         |                               | 77             | 210 | D <sub>2</sub> transposition of D <sub>1</sub> fabric essentially complete   |
|      |      |    |    |       |    |    |    |    |         |                               |                |     | S <sub>2</sub> @ 750': 75-80° to c.a. range                                  |
| S    |      |    |    | 8000  |    |    |    |    |         |                               | 70             | 210 |  |
| S    |      |    |    | 8500  |    |    |    |    |         |                               | 77             | 210 | S <sub>2</sub> @ 850: 75-80° to c.a. range                                   |
| S    |      |    |    | 9030  |    |    |    |    |         |                               | 85             | 210 |  |
| S    |      |    |    | 9500  |    |    |    |    |         |                               | 60             | 210 |  |
| S    |      |    |    | 10000 |    |    |    |    |         |                               | 70             | 210 | Interval 993.5-1112 shows D <sub>2</sub> transposition of D <sub>1</sub>     |
| S    |      |    |    | 10500 |    |    |    |    |         |                               | 70             | 210 | fabric is incomplete with short (1') sections of the                         |
| S    |      |    |    | 11000 |    |    |    |    |         |                               | 70             | 210 | line of S <sub>1</sub> running subvertical to core axis.                     |
|      |      |    |    |       |    |    |    |    |         |                               |                |     | Numerous complex F <sub>2</sub> folds  |
| S    |      |    |    | 11500 |    |    |    |    |         |                               | 30             | 210 |  |
| S    |      |    |    | 12020 |    |    |    |    |         |                               | 67             | 210 | D <sub>2</sub> transposition incomplete, S <sub>2</sub> range 65-70° @ 1202  |
| S    |      |    |    | 12500 |    |    |    |    |         |                               | 80             | 210 | D <sub>2</sub> transposition of D <sub>1</sub> fabric incomplete.            |
| S    |      |    |    | 13020 |    |    |    |    |         |                               | 55             | 210 | D <sub>2</sub> transposition of D <sub>1</sub> fabric becoming               |
|      |      |    |    |       |    |    |    |    |         |                               |                |     | complete towards EOH   |

CYPRUS ANVIL MINING CORPORATION

DIAMOND DRILL CORE LOG

Hole Number: 72-05

Fabric Orientation Diagram:

Project: Anvil

Location: Pet, Section 112

Claim: \_\_\_\_\_

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

\_\_\_\_\_ E

Grid Co-ords.: 9, 104.6 W

(Min.) 13, 103.4

Elevation: 4127.3 4016.1  
(Min) (MSL)

Total Depth: 600'

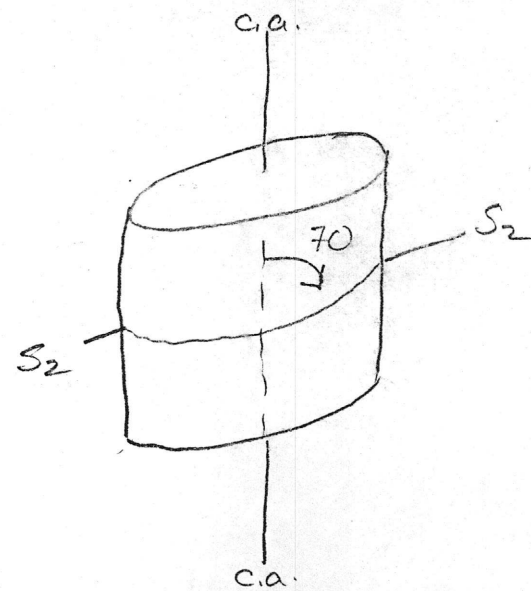
Purpose: Development

Logged by: [Signature] Date(s) Logged: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_ Core: Size From To Collar Cased and Capped: \_\_\_\_\_

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Started: \_\_\_\_\_ Completed: \_\_\_\_\_



All symmetry determinations looking NW with S2 dipping SW with dip azimuth 210.



Lithologic Log

Logged By: DSJ

| Cats | From |      | To   |      | Unit | Code  | Description   |
|------|------|------|------|------|------|-------|---|
|      | 10   | 14   | 18   | 20   | 22   | 23    |   |
| L    | 100  | 100  | 200  | 200  | 1    | #     | Broken Rock ; Pit Bench ; <u>Overburden</u>   |
| L    | 200  | 200  | 190  | 190  | 2    | 3,D,1 | Calc-Silicate Phyllite ; cpx-ep-plag-CO <sub>2</sub> assemblage / member  |
| L    | 190  | 190  | 230  | 230  | 3    | 3,D,8 | Calc-Silicate Phyllite ; calcareous phyllite member.  |
| L    | 230  | 230  | 440  | 440  | 4    | 3,D,1 | Calc-Silicate Phyllite ; chlor-clinoamph-ep member w/essentially no bio. phyll interbands and minor thin CO <sub>2</sub> rich interbands ; rubby core : 31-33' possible fault zone.   |
| L    | 440  | 440  | 640  | 640  | 5    | 3,D,4 | Calc-Silicate Phyllite ; interbanded sequence of cpx-ep, calc-silicate lithons, bio-phyll lithons and thin CaCO <sub>3</sub> -rich bands ; banding 0.1" - 0.5" in thickness between banding S <sub>2</sub> surfaces   |
| L    | 640  | 640  | 700  | 700  | 6    | 3,D,7 | Calc-Silicate Phyllite ; chlor-ep. phyllite ; thinly banded, thinly banded, med. yellow gray green, weakly calcareous phyllite  |
| L    | 700  | 700  | 775  | 775  | 7    | 3,D,4 | Calc-Silicate Phyllite ; as 44-64 (unit 5)  |
| L    | 775  | 775  | 910  | 910  | 8    | 3,D,7 | Calc-Silicate Phyllite ; thinly banded, almost entirely decrepitated calcareous, chloritic phyllite, could be related to bxiations or faulting as numerous gouge zones thru interval and 1-2" bxia zone @ 89'   |
| L    | 910  | 910  | 1160 | 1160 | 9    | 3,D,4 | Calc-Silicate Phyllite ; typical cpx-plag-CO <sub>2</sub> and purplish brown bio-phyllite member  |
| L    | 1160 | 1160 | 1800 | 1800 | 10   | 3,D,1 | Calc-Silicate Phyllite ; med.-blue-green chlor-clinoamph assemblage w/about 10% brown bio-phyll interbands and prevalent cross cutting ep. rich stringers ; 1' gouge @ 70° to c.a @ 158-159   |
| L    | 1800 | 1800 | 2440 | 2440 | 11   | 3,A,0 | Calc-Silicate Phyllite ; complexly interbanded sequence of slightly carbonaceous bio-phyll ; chlor-clinoamph calc-silicate ; thinly banded calcareous chlor phyll ; all units variably epidotized and sheared. Prominent gouge zones as follows : 180-182 (90° to c.a.) ; 201-205 (70° to c.a.) ; 217.5-220 (75° to c.a.) ; 226-232 (70° to c.a.) ; 236-238 (60° to c.a.) |
| L    | 2440 | 2440 | 3030 | 3030 | 12   | 3,D,4 | Calc-Silicate Phyllite ; med. dk. greenish blue, thinly banded, weakly and variably calcareous chlor-clinoamph bearing calc-silicate phyllite w/≈ 30% bio-phyll interbands and minor 1' bands of thin marble bands. Toward base of interval, unit has numerous thin metabasite bands.   |
| L    | 3030 | 3030 | 3100 | 3100 | 13   | 1,D,0 | Weakly Carbonaceous bio-musc-ardulavite schist ; med dk. brown-grey, strongly but med. porphyroblastic, thinly banded, bio>musc. pelitic schist ; as 543-549 in 456-75-12 but less carbonaceous   |
| L    | 3100 | 3100 | 3105 | 3105 | 14   | 0,E,C | Prophyritic Bio-Hb-Diorite Dike ; med dk brownish gray, finely  |

## Lithologic Log

Logged By: \_\_\_\_\_

| Code | From | To   | Unit | Code | Description  |
|------|------|------|------|------|--|
|      |      |      |      |      | porphyritic (mainly plag) diorite. Diorite dth. 90° to c.a. @ 30'  |
| L    | 3105 | 3750 | 15   | 1D10 | Bio-Musc-Andalusite Schist; med brown grey, thinly banded<br>cyclic porphyroblastic, andalusite rich, bio>musc pelitic schist<br>equivalent to 549-1333' in 456-75-12  |
| L    | 3750 | 3885 | 16   | 1FD  | Thinly Interbanded Sequence of Metabasites, Chlor Schists and Bio-Musc<br>Andalusite Schists; med. green to reddish brown to lt. grey-green,<br>complexly interbanded (0.5-2.0") sequence of above lithologies<br>suggesting mafic tuffaceous interbands in schist unit.   |
| L    | 3885 | 3965 | 17   | 1D10 | Bio-Musc-Andalusite Schist; as 310.5-375; typical aluminous<br>upper portion of schist map unit.   |
| L    | 3965 | 4200 | 18   | 1DF  | Interbanded sequence of bio-musc-andalusite schist - minor<br>Metabasite and Chlor Schists; as 375-388.5 w/pelitic schist<br>(ca 80%) dominant lithology   |
| L    | 4200 | 4240 | 19   | 1F5  | Metabasite; med grey-green, weakly banded, massive metabasite<br>w/ dk. yellow-green cp-Clinocamp bearing margins.   |
| L    | 4240 | 4290 | 20   | 1D10 | Bio-Musc-Andalusite Schist; as 310.5-375 and 388.5-396.5   |
| L    | 4290 | 4410 | 21   | 1FD  | Interbanded Sequence of Thin Metabasite and Bio-Schist bands;<br>cf. 375-388.5 and 396.5-420 w/out bio-musc-andalusite schist<br>bands.  |
| L    | 4410 | 5030 | 22   | 1D10 | Bio-Musc-andalusite Schist; med brown grey, thinly banded,<br>cyclic porphyroblastic, bio>musc pelitic schists, equivalent<br>to 549-1333 in 456-75-12; gouge zones: 483-483.5 (70° to ca)<br>and 481.5 to 482 (70° to ca)   |
| L    | 5030 | 5100 | 23   | 0E9  | Partially kaolinitized finely xline granodiorite dike;<br>finely xline, pink to pink-brown, massive, partially kaolit-<br>inized dike of approx. granodiorite comp. (cf. dike in NW<br>corner of pit in sulfides) numerous x-cutting py stringers<br>often parallel to ca. |
| L    | 5100 | 5120 | 24   | 1D10 | Musc-bio-andalusite schist; as 441 to 503 except slightly<br>more musc-rich; NOT white mica envelope lithology   |
| L    | 5120 | 5130 | 25   | 2H2  | Massive pyrrhotitic, pyritic sulfides; massive, finely xlline<br>pinkish bronze po matrix w/ med cse py porphs; interbanded,<br>no magnetite or barite visible   |
| L    | 5130 | 5135 | 26   | 2F0  | Massive Pyritic Sulfides; typical 'buckshot' pyritic facies<br>w/ black ZnS + PbS matrix, unbanded, non-magnetic, non-baritic  |

Lithologic Log

| Case | From | To   | Unit | Code | Description  |
|------|------|------|------|------|--|
| L    | 5135 | 5145 | 27   | 1D14 | Gouge zone in qtz-musc schists w/ PbS + ZnS blebs; gouge approx 70° to ca.   |
| L    | 5145 | 5150 | 28   | 2E10 | Massive pyritic sulfides; vf xlline, black, PbS + ZnS w/ streaked out, non-porphyroblastic crudely banded pyrite; looks like heavily sheared and rexlized buckshot ore   |
| L    | 5150 | 5160 | 28   | 2C10 | Sulfide bearing Quartzite; anastomosing py + minor PbS/ZnS in lt grey qtzite; anastomosing sulfides give appearance of sulfide healed bxia   |
| L    | 5160 | 5165 | 29   | 2H13 | Massive Pyrrhotitic, Pyritic sulfides; alternating thin po> py and py po bands (0.5 to 1.0") over interval w/ variable visible PbS + ZnS   |
| L    | 5165 | 5170 | 30   | 2I10 | Massive pyritic sulfides; as 513-513.5; typical buckshot ore   |
| L    | 5170 | 5175 | 31   | 2J13 | Massive pyrrhotitic, pyritic sulfided; as 516-516.5  |
| L    | 5175 | 5180 | 32   | 2E10 | Massive pyritic sulfides; as 514.5-515, non-magnetic, non-baritic  |
| L    | 5180 | 5260 | 33   | 0E17 | Variably kaolinitized/altered porphyritic diorite dike; dk. green to brownish-pink, finely xlline, diorite to grano-diorite dike, cf. 503-510, dike/sill contacts approx 70° to ca                             |
| L    | 5260 | 5285 | 34   | 2E10 | Massive Pyritic sulfides; as 514.5-515 & 517.5-518, massive finely xlline, py w/ blebs and pods of PbS + ZnS and minor sulfide bearing pyritic qtzite fragments, non-magnetic & non-baritic                    |
| L    | 5285 | 5310 | 35   | 1D14 | Qtz-musc schist; beige, thinly banded, weakly pyritic qtz-musc schist of typical white mica envelope lithology   |
| L    | 5310 | 5320 | 36   | 2C10 | Sulfide bearing quartzite; as 515 to 516; non-magnetic and non-baritic   |
| L    | 5320 | 5335 | 37   | 2F14 | Massive pyritic sulfides; 'buckshot' pyritic ore in black PbS + ZnS matrix, interval 30 to 40 % py, remainder..PbS and ZnS , ie high grade band, some py occurs as round polyxlline (colloform??) aggregates   |
| L    | 5335 | 5340 | 38   | 1D14 | Qtz-musc schist; as 528.5 to 531 w/ finely xlline PbS+ZnS blebs  |
| L    | 5340 | 5350 | 39   | 2J14 | Massive Fe-poor sulfides; black, massive, finely xlline, non-pyrrhotitic, non-pyritic, non-magnetic, non-baritic pbs/zns w/ 10-15% included subangular to rounded white bull qtz. fragments, sulfides unbanded |



| Depth<br>m | From |    |    | To |    |    | Feature |    |    | S <sub>1</sub><br>Dip Direct. |    |    | S <sub>2</sub><br>Dip Direct. |    |    | Description  |
|------------|------|----|----|----|----|----|---------|----|----|-------------------------------|----|----|-------------------------------|----|----|--|
|            | 10   | 14 | 18 | 20 | 22 | 24 | 26      | 28 | 30 | 32                            | 34 | 36 | 38                            | 40 | 42 |  |
| S          |      |    |    | 5  | 1  | 0  |         |    |    |                               |    |    | 7                             | 0  | 2  | F <sub>2</sub> = 40° to line of S <sub>2</sub> strike and plunges West; post D <sub>2</sub> crenulation lineation (L <sub>3</sub> or L <sub>4</sub> ) = 60° to line of S <sub>2</sub> strike @ this point. |
| S          |      |    |    | 1  | 0  | 0  |         |    |    |                               |    |    | 8                             | 0  | 2  | Nearly complete D <sub>2</sub> transposition of D <sub>1</sub> fabric throughout calc-silicate interval  |
| S          |      |    |    | 1  | 5  | 0  |         |    |    |                               |    |    | 7                             | 7  | 2  | S <sub>2</sub> = 75° - 80° range.  |
| S          |      |    |    | 2  | 0  | 0  |         |    |    |                               |    |    | 7                             | 0  | 2  | Essentially complete D <sub>2</sub> transposition of D <sub>1</sub> fabric For possible fault gouge see lithology.   |
| S          |      |    |    | 2  | 5  | 0  |         |    |    |                               |    |    | 8                             | 0  | 2  |  |
| S          |      |    |    | 3  | 0  | 0  |         |    |    |                               |    |    | 6                             | 0  | 2  |  |
| S          |      |    |    | 3  | 5  | 0  |         |    |    |                               |    |    | 8                             | 0  | 2  | Essentially complete D <sub>2</sub> transposition of D <sub>1</sub> fabric   |
| S          |      |    |    | 4  | 0  | 0  |         |    |    |                               |    |    | 7                             | 0  | 2  |  |
| S          |      |    |    | 4  | 5  | 0  |         |    |    |                               |    |    | 8                             | 0  | 2  |  |
| S          |      |    |    | 5  | 0  | 0  |         |    |    |                               |    |    | 7                             | 5  | 2  |  |
| S          |      |    |    | 5  | 1  | 6  | 8       |    |    |                               |    |    | 7                             | 0  | 2  | banding in sulfides; note: symmetry from 517-517.5 probably related to F <sub>2</sub> fold hinges.   |
| S          |      |    |    | 5  | 7  | 9  | 0       |    |    |                               |    |    | 6                             | 5  | 2  | Complete D <sub>2</sub> transposition of D <sub>1</sub> fabric w/ no suggestion whatsoever of F <sub>2</sub> (megascopic hinges above or below" within sulfide zone.                                       |