

NOTE: Co-ords are based on pre-1979 values
 For correct co-ords subtract 9.36 to Northing
 Add 9.56 to Easting
 Subtract 10.1m to Elev.

017765

U.T.M. COORDINATES

G. Aucoin Nov 13/90

MONUMENTS	NORTHING	EASTING	ELEV.
I. B. 613	6902291.21	597285.63	1189.12
1401 I. B. VG.1	6901934.01	597226.48	1201.92 *
P. ROCK DY 1	6901362.41	596847.70	1191.37
I. B. 612	6901178.48	596698.96	1186.83
I. B. 751	6901038.59	597503.27	1095.30
I. B. 142	6902158.00	597411.44	1182.47
B.S. STA. P. ROCK DY 2	6901408.60	597126.21	1161.81
I. B. 756	6901876.52	597475.01	1149.04
76 X 21	6901438.63	596602.79	1193.29
77 X 01	6901514.08	596676.85	1186.46
77 X 02	6901691.36	596834.94	1184.03
77 X 03	6901358.52	596866.37	1189.48
77 X 04	6901179.04	596699.43	1186.83
77 X 05	6901305.08	597106.45	1162.17
77 X 06	6901167.71	597583.68	1076.22
77 X 07	6900977.48	598155.84	1016.57
77 X 08	6901421.82	597689.54	1082.01
77 X 09	6900905.46	597581.83	1082.01
I. B. 752	6900919.00	597573.84	1082.01
I. B. 757	6901421.47	597674.62	1084.82
77 X 10	6900642.90	598063.62	962.43
77 X 11	6,900,632.71	597,499.59	1092.13
I. B. D.P. 1	6901211.17	597287.93	1132.98
78 X 01	6901241.99	597296.99	1128.27
78 X 02	6901023.29	597549.67	1084.67
78 X 03	6901315.95	597621.71	1058.66
78 X 04	6901132.61	597724.14	1040.11
78 X 05	6901311.47	597315.73	1114.88
78 X 06	6900946.12	597838.78	1009.11
I. B. P. R. 1	6,901,396.53	596,717.79	
I. B. P. R. 2	6,901,358.42	596,862.89	
I. B. P. R. 3	6,901,320.32	597,007.97	
I. B. P. R. 4	6,901,282.22	597,153.04	
I. B. P. R. 5	6,901,244.11	597,298.14	
I. B. P. R. 6			
I. B. P. R. 7			
I. B. P. R. 8			
I. B. P. R. 9			
I. B. P. R. 10	6,901,434.64	596,572.70	
I. B. DP 2	6901181.31	598004.82	1041.51
I. B. 754	6900977.52	598155.45	1016.57
78 X - 07	6,901,418.38	597,031.47	1168.93
* 78 X - 08	6,901,593.96	596,771.23	1180.49
78 X - 09	6,901,274.58	597,465.81	1084.29
78 X - 10	6,901,383.13	597,334.52	1106.32
78 X - 11	6,901,089.56	597,572.19	1073.10

2000

01800

8.0
7.0

CYPRUS ANVIL MINING CORPORATION
CONTROL AND DDH COORDINATES
(DY) AREA
TERRITORIAL PLANE COORDINATE SYSTEM

STATION	LAT	DEP	ELEVATION
CONTROL STATIONS			
IB 611	22,642406.1	308208.6	4564.7
IB 613	22,652108.5	319274.4	3901.3 HIW Station
IB VG1	22,650936.3	319080.2	3943.3
P. Rock DY 1	22,649060.4	317837.2	3908.7
IB 612	22,648456.8	317349.0	3893.8
IB 751	22,647997.7	319988.6	3593.5
IB 142	22,651671.4	319687.2	3879.5
P. Rock DY 2	22,649212.0	318751.2	3811.7
IB 756	22,650744.3	319895.8	3769.8
IB VG2	22,654293.5	315216.0	4031.3
DDH			
IB 749	22,649313.1	317033.3	3915.0
76x21	22,649310.5	317033.4	
IB 750	22,649559.2	317277.7	3892.6
77x01	22,649558.2	317276.4	
IB 755	22,650144.5	317795.9	3884.6
77x02	22,650140.0	317795.3	
IB 747	22,649048.0	317896.7	3902.5
77x03	22,649047.6	317898.4	
IB 612	22,648456.8	317349.0	3893.8
77x04	22,648458.6	317350.6	
IB 748	22,648874.1	318686.7	3812.9
77x05	22,648872.3	318686.3	
IB 753	22,648419.9	320251.5	3530.9
77x06	22,648421.4	320252.5	
IB 754	22,647797.3	322128.9	3335.2
77x07	22,647797.1	322130.2	
IB 752	22,647605.2	320220.2	3549.9
DDH East	22,647560.8	320246.4	3548 ⁺
IB 757	22,649254.3	320551.2	3441.0
DDH Creek	22,649255.5	320600.1	4330 ⁺

DY CO-ORDS for D.H.'s

Back-sight station = D.H. T = 6901408.60 ; X = 697475.01
 Instrument Station = IB 756 T = 6901876.52 ; X = 697475.01

DDH-79-X-01 DDH-79-X-03 DDH-79-X-06

Bearing 195° 24' 00" 195° 19' 09" 200° 59' 20"

Zenith 90° 56' 11" 90° 28' 31" 89° 01' 57"

Slope Dist: 733.017 879.021 821.082

HI 1.47 1.47 1.45

HP 1.57 1.57 1.57

Elev. Inst. Sta. 1149.04 1149.04 1149.04

ΔH -13.043 -7.329 13.790

DH 732.919 878.991 820.965

D_s 732.789 878.824 820.815

D_o 732.580 878.624 820.622

ΔT -706.278 -847.267 -737.604

ΔX -194.540 -222.116 -259.573

Y 6901170.24 6901039.19 6901138.92

X 597380.43 597242.90 597110.42

Z 1127.00 1141.71 1162.82

T 6901169.92 6901038.76 6901138.57

X 597280.38 597242.79 597110.27

Z 1136.96 1141.66 1162.92

* Datum for plane co-ords is IB 756 which has an elevation of 1149.04

Computed by: John Kuhne
 Date: Sept. 1, 1979

Note: Due to a recent survey done by Harford, Impney, Welter and Associates Ltd., the grid control above will be revised

Dy Co-ords for DDH.s

Back sight station -- DY2 Y= 6901408.60 ; X= 597126.21

Instrument station -- IB DP2 Y= 6901181.31 ; X= 598004.82

	DDH-79-X-02	DDH-79-X-04	DDH-79-X-05	DDH-79-X-07
Bearing	247°05'29"	237°31'55"	227°55'43"	271°33'28"
Zenith	90°43'38"	89°42'40"	88°50'25"	87°58'20"
Slope Dist	317.400	360.407	401.800	348.463
HI.	1.45	1.37	1.34	1.37
HP	1.61	1.07	1.73	1.58
Elev. Inst. Sta.	1041.51	1041.51	1041.51	1041.51
ΔH	-4.182	2.126	7.782	12.128
D _H	317.274	360.402	401.718	348.245
D _s	317.323	360.344	401.652	348.187
D _s (VTH)	317.233	360.241	401.538	348.088
ΔY	-123.487	-193.388	-267.052	9.463
ΔX	-292.212	-303.932	-298.066	-247.960

D. R.	Y	X	Z	DDH-79-X-02	DDH-79-X-04	DDH-79-X-05	DDH-79-X-07
				6901057.82	6900987.92	6900912.26	6901190.77
				597712.61	597700.89	597706.76	597656.86
				1037.33	1043.64	1049.29	1053.64

* FEZID	Y	X	Z	DDH-79-X-02	DDH-79-X-04	DDH-79-X-05	DDH-79-X-07
				6901057.77	6900987.83	6900912.14	6901190.78
				597712.48	597700.75	597706.62	597656.70
				1037.32	1043.77	1053.75	1056.80

* Datum for plane co-ord. is @ IB DP2 which has an elevation of 1041.51

Computed by: John Kuhne

Date: Sept. 1, 1979

Note: Due to a recent survey done by Hasford, Impay, Welter and Associates, Ltd., the grid co-ords above will be revised.

U.T.M.

Final DY.

B.S.	1496	1497	1497	1497	1479	1401
STA.	1497	1496	1496	1496	1401	1479
F.S.	80-X-04	80-X-02	80-X-06	80-X-05	80-X-01	80-X-03
S.D.	181.079	123.175	72.110	173.134	873.336	320.081
ZENITH	085° 47' 48"	088° 42' 34"	098° 17' 41"	095° 56' 16"	091° 43' 03"	090° 45' 44"
STA. ELEV.	1138.77	1127.214	1127.214	1127.214	1200.912	1190.464
H.I.	1.515	1.621	1.621	1.621	1.620	1.590
H.P.	1.620	1.606	1.670	1.650	1.690	1.460
DIFF. HEIGHT	+13.170	+2.790	-10.452	-17.937	-26.193	-4.121
F. ELEV.	1151.940	1130.004	1116.762	1109.277	1174.719	1186.343
Bq. STA. TO B.S.	131° 02' 25"	311° 02' 25"	311° 02' 25"	311° 02' 25"	213° 32' 13"	033° 32' 13"
HORZ. ANGLE	237° 57' 50"	072° 07' 04"	182° 20' 08"	138° 10' 12"	343° 52' 15"	279° 36' 36"
± 360° 00' 00"	-360° 00' 00"	-360° 00' 00"	-360° 00' 00"	-360° 00' 00"	-360° 00' 00"	
Bq. STA. TO F.S.	009° 00' 15"	23° 09' 29"	133° 22' 33"	089° 12' 37"	197° 24' 28"	313° 08' 49"
HORZ. DIST.	180.592	123.144	71.356	172.205	872.944	320.053
M.S.L. DIST.	180.559	123.122	71.343	172.175	872.783	319.993
SCALE FACTOR	0.999715757	0.999715757	0.999715757	0.999715757	0.999715757	0.999715757
GRID DIST.	180.508	123.087	71.323	172.126	872.535	319.902
STAT. LAT.	6900684.764	6900608.880	6900608.880	6900608.880	6901924.642	6901353.077
DIFF. LAT.	+178.361	+113.169	-48.983	+2.372	-832.573	+218.772
F.S. LAT.	6900863.125	6900722.049	6900559.897	6900611.252	6901092.069	6901571.849
STA. DEPT.	597032.168	597119.339	597119.339	597119.339	597236.124	596857.282
DIFF. DEPT.	+28.250	+48.406	+51.842	+172.110	-261.037	-233.401
F.S. DEPT.	597060.418	597167.745	597171.181	597291.449	596975.087	596623.881
FIELD PG. NO	1	3	5	7	9	11

NO

WORK LOCATION DY

D.D.H. Nº	NORTHING UTM.	EASTING UTM.	ELEVATION
80-X-04	6 900 863.125	597 060.418	1 151.940
80-X-02	6 900 722.049	597 167.745	1 130.004
80-X-06	6 900 559.897	597 171.181	1 116.762
80-X-05	6 900 611.252	597 291.449	1 109.277
80-X-01	6 901 092.069	596 975.087	1 174.719
80-X-03	6 901 571.849	596 623.881	1 186.343

PBATES 80/07/08

ANVIL VCR

3038.

ANVIL VCR

HIM WHSE

File by
Survey Information

81 6 15

CYPRUS ANVIL
VANCOUVER

COPY TO FARO EXP

ATTN BRIAN HALL

RE BY DRILL HOLE COORDINATES

PRELIMINARY COORDS AND ELEVATIONS AS FOLLOWS

DDH 81-X-01	6,900,426.28	597,237.75	1090.31
DDH 81-X-02	6,900,514.06	597,734.14	1026.67
DDH 81-X-03	6,900,365.56	597,073.48	1104.63

COORDS OF 1980 CONTROL

1501	6,900,548.21	597,509.16	1084.64 ✓
1502	6,899,586.12	596,778.16	1074.75
1503	6 899 832.51	596,427.49	1122.44
1504	6 900 360.44	596,919.85	1124.59 ✓

J F WELTER
HOSFORD IMPEY WELTER
WHITEHORSE YT

DY Survey Coordinates

Hosford, Impey and Welter Survey, 1979

<u>DDH's</u>	<u>Northing</u>	<u>Easting</u>	<u>Elevation</u>
76 X 21	6,901,429.33	596,612.39	1,192.29
77 X 01	6,901,504.78	596,686.45	1,185.46
77 X 02	6,901,682.06	596,844.54	1,183.03
77 X 03	6,901,349.22	596,875.97	1,188.48
77 X 04	6,901,169.74	596,709.03	1,185.83
77 X 05	6,901,295.78	597,116.05	1,161.17
77 X 06	6,901,158.41	597,593.28	1,075.22
77 X 07	6,900,968.18	598,165.44	1,015.57
77 X 08	6,901,412.52	597,699.14	1,046.20
77 X 09	6,900,896.16	597,591.43	1,081.01
77 X 10	6,900,633.60	598,073.22	961.43
77 X 11	6,900,623.41	597,509.19	1,091.13
78 X 01	6,901,232.69	597,306.59	1,127.27
78 X 02	6,901,013.99	597,559.27	1,083.67
78 X 03	6,901,306.65	597,631.31	1,057.66
78 X 04	6,901,123.31	597,733.74	1,039.11
78 X 05	6,901,302.17	597,325.33	1,113.88
78 X 06	6,901,936.82	597,848.38	1,008.11
78 X 07	6,901,409.08	597,041.07	1,169.12
78 X 08	6,901,530.66 *584.66	596,780.83	1,179.49
78 X 09	6,901,265.28	597,475.41	1,083.29
78 X 10	6,901,373.83	597,344.12	1,105.32
78 X 11	6,901,080.26	597,581.79	1,072.10

6,900,936.82

<u>DDH's</u>	<u>Northing</u>	<u>Easting</u>	<u>Elevation</u>
79 X 01	6,901,160.15	597,289.28	1,164.07 * 1135.96
79 X 02	6,901,047.98	597,720.55	1,036.42
79 X 03	6,901,019.03	597,251.50	1,140.01
79 X 04	6,900,978.13	597,708.76	1,042.80
79 X 05	6,900,902.43	597,714.51	1,048.40
79 X 06	6,901,128.96	597,124.19	1,161.73
79 X 07	6,901,181.01	597,664.98	1,052.74
79 X 08	6,901,342.63	597,180.97	1,146.50
79 X 09	6,901,124.80	597,432.32	1,105.18
79 X 10	6,901,196.41	597,450.61	1,099.74
79 X 11	6,901,057.00	597,102.93	1,163.01
79 X 12	6,901,166.62	596,987.64	1,175.48
79 X 13	6,900,818.47	597,200.53	1,138.49
79 X 14	6,900,987.66	597,083.64	1,164.46
79 X 15	6,901,483.63	597,053.92	1,158.59
79 X 16	6,900,725.91	597,303.11	1,118.46
79 X 17	6,901,309.04	597,533.64	1,069.35
79 X 18	6,900,919.44	597,223.22	1,141.75
80 X 01	6,901,092.07	596,975.09	1,174.72
80 X 02	6,900,722.05	597,167.75	1,130.00
80 X 03	6,901,571.85	596,623.88	1,186.34
80 X 04	6,900,863.13	597,060.42	1,151.94
80 X 05	6,900,611.25	597,291.45	1,109.28
80 X 06	6,900,559.90	597,171.18	1,116.76
80 X 07	6,900,526.00	597,433.10	1,088.00
80 X 08	6,900,521.60	597,266.90	1,101.80
80 X 09	6,900,811.00	597,344.90	1,120.10
80 X 10	* 6,900,402.30 - 462.30	597,151.40	1,110.00
80 X 11	6,900,910.10	597,374.80	1,120.40
80 X 12	* 6,900,070.86	597,017.18	1,133.32
80 X 13	6,900,410.33	597,385.87	1,065.97

670.86

DIAMOND DRILL HOLE NO.: V-47Instrument Used: Wild T1 & D135

Surveyed By	Calculated By	Location	Date
John Kuhne	John Kuhne	Vangorda	Oct 25 / 79

Back Sight: JK3Instrument Station: JK4DDH CO-ORDINATES & ELEVATION

Northings	Eastings	Elevation
6903201.715	594053.280	1150.144

DDH No.: V-47

PRINTOUT OF CURRENT EXTRACTION DATA

DESCRIPTION : hole-id with locations

NORTHING:	EASTING:	ELEVATION:	REAL:	INTEGER:	STRING:
901428.00	596612.40	1192.30	-1.000	1	76X21
901505.00	596686.40	1185.50	-1.000	2	77X01
901681.00	596844.50	1183.00	-1.000	3	77X02
901348.00	596876.00	1188.50	-1.000	4	77X03
901296.00	597116.10	1161.20	-1.000	5	77X05
901158.00	597593.30	1075.20	-1.000	6	77X06
900968.00	598165.40	1015.60	-1.000	7	77X07
901412.00	597699.10	1046.20	-1.000	8	77X08
900896.00	597591.40	1081.00	-1.000	9	77X09
900633.00	598073.10	961.40	-1.000	10	77X10
900624.00	597509.10	1091.10	-1.000	11	77X11
901169.00	596709.00	1185.80	-1.000	12	77X4 77X04
901232.00	597306.60	1127.30	-1.000	13	78X01
901014.00	597559.30	1083.70	-1.000	14	78X02
901307.00	597631.30	1057.70	-1.000	15	78X03
901123.00	597733.60	1039.10	-1.000	16	78X04
901302.00	597325.30	1113.90	-1.000	17	78X05
900937.00	597848.40	1008.10	-1.000	18	78X06
901409.00	597041.10	1169.10	-1.000	19	78X07
901531.00	596780.80	1179.50	-1.000	20	78X08 901,584.66
901265.00	597475.40	1083.30	-1.000	21	78X09
901374.00	597344.10	1105.30	-1.000	22	78X10
901080.00	597581.80	1072.10	-1.000	23	78X11
901160.00	597289.30	1184.10	-1.000	24	79X01 1136 → 1135.96
901048.00	597720.60	1036.40	-1.000	25	79X02
901019.00	597251.50	1140.00	-1.000	26	79X03
900977.00	597708.80	1042.80	-1.000	27	79X04
900902.00	597714.50	1048.40	-1.000	28	79X05
901129.00	597124.10	1161.70	-1.000	29	79X06
901180.00	597665.00	1052.70	-1.000	30	79X07
901342.00	597181.00	1146.50	-1.000	31	79X08
901124.00	597432.30	1105.20	-1.000	32	79X09
901057.00	597102.90	1163.00	-1.000	33	79X11
901166.00	596987.60	1175.50	-1.000	34	79X12
900819.00	597200.50	1138.50	-1.000	35	79X13
900987.00	597083.60	1164.50	-1.000	36	79X14
901483.00	597053.90	1158.60	-1.000	37	79X15
900726.00	597303.10	1118.50	-1.000	38	79X16
901308.00	597533.60	1069.40	-1.000	39	79X17
900920.00	597223.10	1141.80	-1.000	40	79X18
901092.00	596975.10	1174.70	-1.000	41	80X01
900721.00	597167.80	1130.00	-1.000	42	80X02

901571.00	596623.90	1186.30	-1.000	43	80X03
900862.00	597060.40	1151.90	-1.000	44	80X04
900611.00	597291.50	1109.30	-1.000	45	80X05
900560.00	597171.10	1116.80	-1.000	46	80X06
900526.00	597433.10	1088.00	-1.000	47	80X07
900521.00	597266.90	1101.80	-1.000	48	80X08
900811.00	597344.90	1120.10	-1.000	49	80X09
900401.00	597151.40	1110.00	-1.000	50	80X10 ? 900462
900910.00	597374.80	1120.40	-1.000	51	80X11
900708.00	597017.10	1133.30	-1.000	52	80X12 ? 900670
900409.00	597385.90	1066.00	-1.000	53	80X13
900425.00	597237.80	1090.30	-1.000	54	E881X01
900513.00	597734.10	1036.70 1026.7	-1.000	55	E881X02
900836.00	597073.50	1104.60	-1.000	56	E881X03 →
901388.50	597335.60	1105.81	-1.000	57	89DS-01
901358.90	597337.90	1107.81	-1.000	58	89DS-02

data entry error? 900366