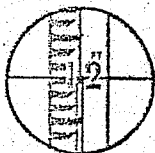


003987

CONTROL SURVEY COORDINATES FOR
KERR ADDISON MINES LIMITED
GRUM DEPOSIT VANGORDA AREA
YUKON TERRITORY
MAY, JUNE, JULY, 1975



HOSFORD IMPEY AND WELTER LIMITED
LEGAL SURVEYS, CONTROL
SURVEYS, ENGINEERING
P.O. BOX 4418
WHITEHORSE, Y.T.

TABLE OF CONTENTS

1. DESCRIPTION OF CONTROL AND METHOD
2. CONTROL STATIONS, COORDINATES AND ELEVATIONS
3. DIAMOND DRILL HOLE COORDINATES
4. GEOPHYSICAL GRID COORDINATES
5. MISCELLANEOUS COORDINATES

DESCRIPTION OF CONTROL AND METHOD

Control Stations placed in this Control Survey consist of an iron bar 5/8" x 30" driven vertically into the ground with the top six inches protruding. The station is monumented with a 4"x4"x4' red wooden post erected vertically over the bar with an aluminum tag stamped with the respective station number affixed to the post.

Bearings are astronomic, derived from the given Kerr Addison coordinates of DDH 4, DDH 163 and DDH 159 and are referred to the meridian through coordinates 30,000 North and 25,000 East. A direct bearing tie from the Kerr Addison Control Survey to the Vangorda (Territorial Plane Coordinate System with bearings referred to 135° W. Meridian of Longitude). Control Traverse and the Legal Survey of Lots 45 - 85 inclusive, Group 905 as shown on Plan 51550 CLSR, 51551 CLSR and 51552 CLSR indicated the following relationship between the various bearings:

Kerr Addison Grid Bearings - 1° 34' 52" = Vangorda Control Traverse Bearings.

Kerr Addison Grid Bearings + 1' 30" = Legal Survey Plan Bearings.

Coordinates have been derived from the coordinates of DDH 4 on the Kerr Addison Grid System with origin at 30,000 N. and 30,000 E. South of Vangorda Cabin. Coordinates have been balanced by the compass rule and have not been corrected for scale factor or reduced to sea level.

Elevations are derived from the published elevation of Geodetic Bench Mark 72Y247 in the RCMP Building, Faro Townsite, Y.T. and have been obtained by simultaneous trigonometric levelling.

A direct conversion of all Coordinates and Distances from Foot Values to Metric Values has been accomplished by multiplying the Foot Values by 0.304800.

CONTROL STATIONS, COORDINATES AND ELEVATIONS

VALUES IN FEET

<u>STATION</u>	<u>NORTHINGS</u>	<u>EASTINGS</u>	<u>ELEVATION</u>
HIW 1	31,913.55	22,903.70	4381.4
HIW 2	29,687.88	30,067.09	3782.9
HIW 3	29,904.94	33,425.86	4039.4
HIW 4	35,459.63	25,376.43	4308.0
HIW 5	33,408.38	24,541.58	4223.2
HIW 6	35,707.21	24,241.89	4327.1
HIW 7	37,975.62	22,379.89	4308.9
VG 4	34,035.37	30,002.48	4300.6
VG 5	35,547.70	26,316.52	4301.1
VG 6	36,439.42	23,956.07	
VG 7	39,861.75	23,447.55	
VG 7A	39,861.30	23,446.63	
VG 8	38,784.34	21,267.45	
VG 9	41,038.34	17,954.91	
S75-40	36,504.35	23,554.39	

CONTROL STATIONS, COORDINATES AND ELEVATIONS

VALUES IN METERS

<u>STATION</u>	<u>NORTHINGS</u>	<u>EASTINGS</u>	<u>ELEVATION</u>
HIW 1	9,727.25	6,981.05	1335.4
HIW 2	9,048.87	9,164.45	1153.0
HIW 3	9,115.03	10,188.20	1231.2
HIW 4	10,808.10	7,734.74	1313.1
HIW 5	10,182.87	7,480.27	1287.2
HIW 6	10,883.56	7,388.93	1318.9
HIW 7	11,574.97	6,821.39	1313.3
VG 4	10,373.98	9,144.76	1310.8
VG 5	10,834.94	8,021.28	1311.0
VG 6	11,106.74	7,301.81	
VG 7	12,149.86	7,146.81	
VG 7A	12,149.72	7,146.53	
VG 8	11,821.47	6,482.32	
VG 9	12,508.49	5,472.66	
S75-40	11,126.53	7,179.38	

DIAMOND DRILL HOLE COORDINATES

VALUE IN FEET

<u>STATION</u>	<u>NORTHINGS</u>	<u>EASTINGS</u>	<u>ELEVATION</u>
DDH 4	29,981.6	29,919.0	3727.7
DDH A5	35,389.5	24,674.9	4277.6
DDH 7	29,937.5	30,081.8	3732.6
DDH A19	35,104.3	24,965.2	4250.4
DDH A21	35,246.6	25,103.2	4270.0
DDH A23	34,828.0	25,254.1	4227.2
DDH A24	35,647.2	24,385.8	4312.5
DDH A26	34,550.0	25,542.5	4226.4
DDH A27	35,799.6	24,530.1	4312.5
DDH A45	34,970.0	25,389.4	4239.0
DDH A55	34,697.5	25,679.5	4227.9
DDH 159	28,999.9	30,002.1	3737.0
DDH 163	33,445.7	25,580.3	4141.3

DIAMOND DRILL HOLE COORDINATES

VALUES IN METERS

<u>STATION</u>	<u>NORTHINGS</u>	<u>EASTINGS</u>	<u>ELEVATION</u>
DDH 4	9,138.4	9,119.3	1136.2
DDH A5	10,786.7	7,520.9	1303.8
DDH 7	9,124.9	9,168.9	1137.7
DDH A19	10,699.8	7,609.4	1295.5
DDH A21	10,743.2	7,651.5	1301.5
DDH A23	10,615.6	7,697.4	1288.5
DDH A24	10,865.3	7,432.8	1314.5
DDH A26	10,530.8	7,785.4	1288.2
DDH A27	10,911.7	7,476.8	1314.5
DDH A45	10,658.9	7,738.7	1292.0
DDH A55	10,575.8	7,827.1	1288.7
DDH 159	8,839.2	9,144.6	1139.0
DDH 163	10,194.2	7,796.9	1262.3

GEOPHYSICAL GRID COORDINATES

VALUES IN FEET

<u>STATION</u>	<u>NORTHINGS</u>	<u>EASTINGS</u>
BL 108W	37,442.22	22,239.22
108W 10N	38,174.90	22,925.01
BL 92W	36,337.26	23,390.69
88W 10N	36,767.12	24,373.89
BL 68W	34,681.41	25,113.85
68W 10N	35,388.24	25,794.32
BL 4W	30,278.84	29,710.41
BL 66W	34,543.75	25,256.48

GEOPHYSICAL GRID COORDINATES

VALUES IN METERS

<u>STATION</u>	<u>NORTHINGS</u>	<u>EASTINGS</u>
BL 108W	11,412.39	6,778.51
108W 10N	11,635.71	6,987.54
BL 92W	11,075.60	7,129.48
88W 10N	11,206.62	7,429.16
BL 68W	10,570.89	7,654.70
68W 10N	10,786.34	7,862.11
BL 4W	9,228.99	9,055.73
BL 66W	10,528.93	7,698.18

MISCELLANEOUS COORDINATES

VALUES IN FEET

<u>STATION</u>	<u>NORTHINGS</u>	<u>EASTINGS</u>
P2, Champ 7 & 8 NW Corner of Lot 121	35,582.15	27,124.23
5L66 on East boundary of Lot 66	35,272.39	25,651.96
1L65, L81 NW Corner of Lot 65	33,740.56	24,474.50
L52, L53, L57, L58 NW Corner of Lot 53	30,056.19	30,009.18

MISCELLANEOUS COORDINATES

VALUES IN METERS

<u>STATION</u>	<u>NORTHINGS</u>	<u>EASTINGS</u>
P2, Champ 7 & 8 NW Corner of Lot 121	10,845.44	8,267.47
5L66 on East boundary of Lot 66	10,751.02	7,818.72
1L65, L81 NW Corner of Lot 65	10,284.12	7,459.83
L52, L53, L57, L58 NW Corner of Lot 53	9,161.13	9,146.80