

001-262-155

GRUM - VANGORDA DEPOSIT
BASELINE AND CONTROL MONUMENTS
JULY, 1987

G. AUCOIN AND ASSOCIATES LTD.

LEGAL LAND SURVEYORS

GABRIEL AUCOIN, C.L.S.
403 668-6258

August 4, 1987

Box 4418
WHITEHORSE, YUKON Y1A 3T5

Our File: 338-87

Mr. Gregg Jilson
Manager, Regional Geology
Curragh Resources Inc.
177 Industrial Road
Whitehorse, Y.T.
Y1A 2T8

Dear Sir,

Re: Grum - Vangorda Survey.

Enclosed is a plan showing the Grum and Vangorda baselines as well as existing control monuments used to establish the baselines. All existing control monuments were checked and were found to be very close to the published values both horizontally and vertically except for 1452 which I have re-numbered 1452-A. I have also enclosed a computer listing of drill holes tied in during the survey. All drill holes surveyed checked plus or minus 1 m to the published co-ordinates. The largest discrepancy was found in DH A-015 which was out 0.5 m in Northing, 2.2 m in Easting and 1.3 m in elevation.

All baseline monuments have been established to an accuracy sufficient for use as secondary control monuments. GBL 1 has been tied to several other existing monuments and is established to an accuracy sufficient for use as primary control.

Except for GBL 1, no new control monuments were established. After checking the two sites with the mine surveyors, we felt that the existing control would be sufficient since they already occupy the best locations. No adequate new sites could be located at this time. However, once the clearing and grubbing is completed, it will be fairly easy to establish secondary control in convenient locations for specific purposes. Station 1462, even though bent slightly, can be used as a backsight almost anywhere on the two sites.

.... /2

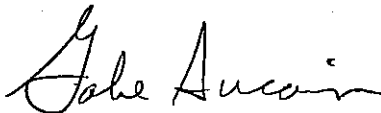
Mr. Gregg Jilson
Page 2
August 4, 1987

Excellent results were obtained by sighting the base of the 4x4 post. I did not feel that a helicopter was justified at this point just to straighten the post. However it should be done in conjunction with other work in the future.

I have discussed the above with Mr. Tom Cloutier and he is aware of the different problems encountered.

I enclose our invoice for work performed to date. Please call if you have any questions.

Yours truly,



E. Aucoin, C.L.S.

GA/bi

enc.

c.c. to: Tom Cloutier, F. Eng.
enc. - co-ordinate list

G. AUCOIN AND ASSOCIATES LTD.

BOX 4418

WHITEHORSE, YUKON Y1A 3T5

North West No.2

File : C:\COG024\338-87.COG

LIST COORDINATES - CONTROL MONUMENTS

Date : Aug.05,1987

Scale factor : 1.00000000
Shift (Y) : .000000
Shift (X) : .000000
Shift (Z) : .000000

Point	U.T.M.		A.S.L.	Description
	Northing	Easting	Elevation	
1	6904623.172	593847.979	1300.062	1404
2	6905304.678	591986.529	1319.143	1406
3	6905018.124	592427.256	1302.274	1422
4	6904386.451	592190.211	1276.447	1423
5	6905084.011	592079.705	1308.019	1424
6	6903299.760	593904.070	1142.213	1452-A
7	6903610.569	593942.818	1172.687	1454
8	6902681.167	594581.689	1162.649	1455
9	6903005.639	594446.191	1161.114	1456
10	6903257.861	594503.825	1186.118	1458
11	6903174.255	594227.774	1166.198	1459
12	6903311.784	594063.786	1150.246	1460
13	6905934.536	594358.750	1581.978	1462

North West No.2

File : C:\COG024\338-87.COG

LIST COORDINATES - BASELINE MONUMENTS

Date : Aug.05,1987

Scale factor : 1.00000000
Shift (Y) : .000000
Shift (X) : .000000
Shift (Z) : .000000

Point	U.T.M.		A.S.L.	Description
	Northing	Easting	Elevation	
700/30	6903147.748	594201.339	1164.370	BL1 VANGORDA
31	6902913.654	594397.640	1154.320	BL2 VANGORDA
32	6902731.069	594550.747	1159.630	BL3 VANGORDA
433	6903532.145	593879.002	1154.580	BL4 VANGORDA
34	6904746.476	592728.952	1283.590	GBL1 GRUM 4.86 1
35	6905055.584	592385.652	1304.330	GBL2 GRUM 2
36	6905420.843	591979.991	1319.450	GBL3 GRUM 3
37	6905297.892	591842.166	1322.780	GBL4 GRUM 4
38	6905216.563	591932.491	1318.750	GBL5 GRUM 5
39	6904564.061	592657.168	1267.090	GBL6 GRUM 6

North West No.2

File : C:\COG024\338-87.COG

LIST COORDINATES - DIAMOND DRILL HOLES

Date : Aug.05,1987

Scale factor : 1.00000000

Shift (Y) : .000000

Shift (X) : .000000

Shift (Z) : .000000

Point	U.T.M.		A.S.L.	Description
	Northing	Easting	Elevation	
50	6903349.597	594007.678	1134.300	V33R
51	6903397.367	593968.480	1131.100	V15R
52	6903428.003	593997.546	1139.600	V115R
53	6903522.582	593932.880	1151.200	V30R
54	6903473.449	593984.257	1146.600	V27R
55	6903320.490	594076.857	1149.900	V94R
56	6903143.516	594235.508	1166.200	81-VR4
57	6903121.454	594213.996	1161.800	81-VR3
58	6903166.528	594175.391	1162.700	V-49R
59	6902830.340	594438.301	1153.200	81VR31
60	6902785.198	594477.381	1153.900	81VR30
61	6902804.218	594500.148	1156.000	81VR29
62	6904772.100	592677.500	1277.900	A-217
63	6904835.200	592652.400	1282.800	A-129
64	6904899.000	592627.700	1289.100	A-137
65	6905019.000	592406.900	1302.800	A-132
66	6905035.300	592342.000	1303.100	A-088
67	6905057.400	592358.700	1303.100	A-215
68	6905083.100	592383.100	1302.300	A-090
69	6905103.000	592402.700	1301.800	A-141
70	6905148.700	592364.700	1301.100	A-073
71	6905226.900	592355.300	1300.900	A-238
72	6905492.700	592023.800	1315.800	A-015
73	6905319.500	592029.600	1317.700	A-123
74	6905275.300	591988.100	1318.200	A-61
75	6904512.400	592601.800	1263.800	A-223
76	6904534.900	592622.400	1264.700	A-222
77	6904556.600	592641.200	1266.100	A-220
78	6904552.500	592557.700	1264.100	A-224
79	6904596.200	592597.400	1268.400	A-221
80	6905312.800	591856.000	1322.200	A-018
81	6905179.300	591898.800	1320.000	A-128
82	6905185.600	591906.100	1319.500	A-126
83	6905230.800	591946.500	1318.400	A-59
85	6905067.000	592124.000	1303.600	A-024
86	6905023.300	592083.300	1304.100	A-032