VANGORDA GRUM

DIAMOND DRILL RECORDS

UNDERGROUND

76-U26 to USS

018542

Handwritten
Originals

76-U26 - U55 Handwritten originals

Typed = WP

DIAMOND DRILL RECORD

LOGGED BY Glenn Feb 10/76 D.D.H. No 76-U26 PAGE 1/6

PROPERTY Grum Joint Venture (Underground)

LATITUDE 10777.49 Line Grid 4N +49.5N STARTED Feb 8/76

DEPARTURE 7689.09 72W COMPLETED Feb 9/76

ELEVATION 1156.85 PROPOSED DEPTH

ULTIMATE DEPTH 76.2 m

CLAIM No

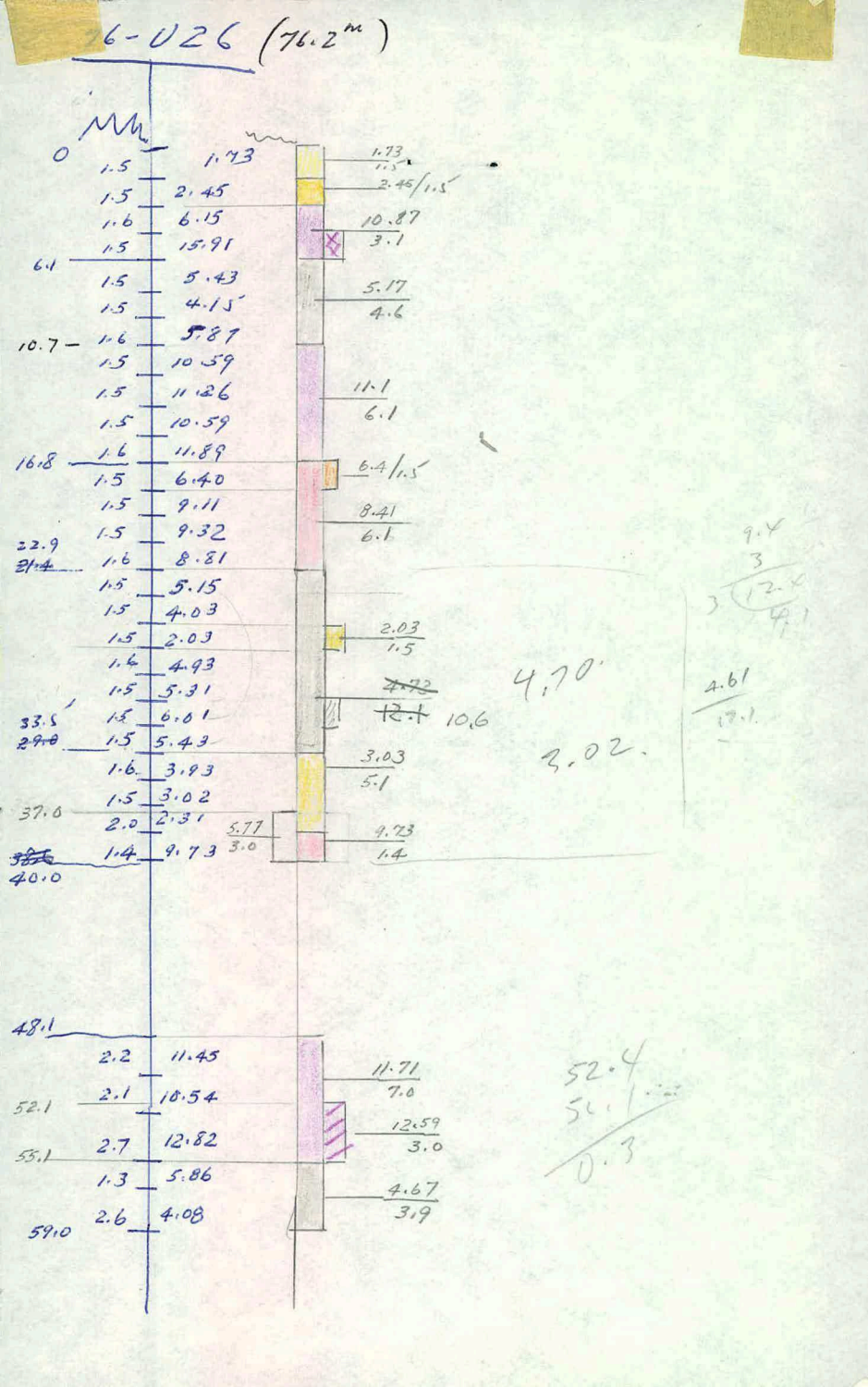
HOLE SURVEY:

DEPTH	BEARING	DIP
COLLAR	235° 18' 48"	+ 69

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION (H.D. = 27.31 (X-S=26.7) V.D. = 71.14)	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	40.0	Quartz Sulphides with Sericite pale blue-green, competent, very silicious (av. 60%); traces of graphite rare; fracturing @ 5°, 45°, 90°, moderate foliation (F_2) @ 80° locally absent, F_1 structures locally @ 15° ± 10°; sulphides follow both F_1 and F_2 structure, also as stringer-disseminate, locally massive with inclusions of qtz fragments, details:													
		0-1.5 as above Py 30 Pb Zn 1	1.0/1.5	1442	0	1.5	1.5	1.25	0.48	0.80					
		1.5-3.0 as above, Py 12 Pb Zn 3	1.5/1.5	1443	~~1.5~~	3.0	1.5	0.25	2.20	0.24					
		bleached sericite 2.1-2.7, F_1 fold nose @ 2.6													
		3.0-4.6 as above Py 25, Pb Zn 4	1.6/1.6	1444	~~3.0~~	4.6	1.6	1.75	4.40	0.91			2.8	7.04	1.456
		F_1 fold nose @ 4.2													
		4.6-6.1 as above, Py 5 Pb Zn 6	1.5/1.5	1445	~~4.6~~	6.1	1.5	4.70	11.21	2.44			7.05	16.815	3.66
				W.A	3.0	6.1	3.1	3.18	7.69	1.6503 (56.6)			9.85	23.855	5.116


16-U26 (76.2m)
0
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1.5 2.45
1.6 6.15
1.5 15.91
6.1
1.5 5.43
1.5 4.15
10.7
1.6 5.87
1.5 10.59
1.5 11.26
1.5 10.59
16.8
1.6 11.89
1.5 6.40
1.5 9.11
1.5 9.32
22.9
1.6 8.81
1.5 5.15
1.5 4.03
1.5 2.03
1.6 4.93
1.5 5.31
33.5
1.5 6.01
1.5 5.43
1.6 3.93
1.5 3.02
37.0
2.0 2.31
1.4 9.73
40.0
48.1
2.2 11.45
2.1 10.54
52.1
2.7 12.82
55.1
1.3 5.86
2.6 4.08
59.0
1.73 / 1.5
2.45 / 1.5
10.87 / 3.1
5.17 / 4.6
11.1 / 6.1
6.4 / 1.5
8.41 / 6.1
2.03 / 1.5
4.73
12.1
10.6
3.03 / 5.1
5.77 / 3.0
9.73 / 1.4
11.71 / 7.0
12.59 / 3.0
4.67 / 3.9
4.70
2.02
9.4
3
12.4
4.1
4.61
17.1
52.4
52.1
0.3

LOGGED BY JJ D.D.H. Nº U-26 PAGE 2/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		massive sulphide 5.7-5.8													
		6.1 - 7.6 as above, Py 5, Pb Zn 6	1.5/1.5	1446	6.1	7.6	1.5	2.00	3.43	0.97			3.00	5.145	1.455
		fracturing common		↓											
		7.6 - 9.1 as above, Py 4, Pb Zn 4	1.5/1.5	1447	7.6	9.1	1.5	1.42	2.73	0.68			2.13	4.095	1.02
		9.1 - 10.7 as above, Py 6, Pb Zn 7	1.6/1.6	1448	9.1	10.7	1.6	1.67	4.20	0.80			2.672	6.72	1.28
		10.7 - 12.2 as above, Py 8 Pb Zn 8	1.5/1.5	1449	10.7	12.2	1.5	~~1.67~~ 2.90	7.69	1.41			4.35	11.535	2.115
		sheared phyllite 11.9-12.0, F, nose @ 12.1		WA ↓	6.1	10.7	4.6	1.69	3.47	0.82	(27.9)		7.802	15.960	3.755
		12.2 - 13.7 as above Py 8 Pb Zn 12	1.5/1.5	1450	12.2	13.7	1.5	3.65	7.61	1.65			5.475	11.415	2.475
		13.7 - 15.2 " " Py 8 Pb Zn 12	1.5/1.5	1451	13.7	15.2	1.5	2.80	7.79	1.38			4.20	11.685	2.07
		massive vuggy sulphide 14.8-14.9		WA ↓	10.7	16.8	6.1	3.37	7.73	1.562	(53.5)		20.553	47.131	9.524
		15.2 - 16.8 as above Py 8 Pb Zn 10	1.6/1.6	1452	15.2	16.8	1.6	4.08	7.81	1.79			6.528	12.496	2.864
		16.8 - 18.3 as above Py 8 Pb Zn 7	1.4/1.5	1453	16.8	18.3	1.5	1.65	4.75	0.68			2.475	7.125	1.02
		18.3 - 19.8 " " Py 12 Pb Zn 8	1.5/1.5	1454	18.3	19.8	1.5	3.10	6.01	1.21			4.65	9.015	1.815
		19.8 - 21.3 " " Py 15 Pb Zn 8	1.5/1.5	1455	19.8	21.3	1.5	2.90	6.42	1.32			4.35	9.63	1.98
		F, nose @ 19.9		~~1456~~											
		21.3 - 22.9 as above Py 10 Pb Zn 10	1.5/1.6	1456	21.3	22.9	1.6	3.10	5.71	1.47	g/t.		4.96	9.136	2.352
		22.9 - 24.4 as above Py 12 Pb Zn 7	1.5/1.5	1457	22.9	24.4	1.5	1.35	3.80	26.40	gm/MT	7	2.025	5.70	39.6
		24.4 - 25.9 " " Py 7 Pb Zn 5	1.5/1.5	1458	24.4	25.9	1.5	0.98	3.05	13.03	"		1.47	4.575	19.545
		25.9 - 27.4 " " Py 5 Pb Zn 3	1.5/1.5	1459	25.9	27.4	1.5	0.85	1.18	9.94	"		1.275	1.77	14.91
		27.4 - 29.0 " " Py 7 Pb Zn 4	0.9/1.6	1460	27.4	29.0	1.6	2.60	2.33	39.43	"		4.16	3.728	63.088
		29.0 - 30.5 " " Py 7 Pb Zn 5	1.5/1.5	1461	29.0	30.5	1.5	1.78	3.53	30.17	"		2.67	5.295	45.255

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		30.5 - 32.0 as above Py 8 Pb 2 n 4	1.4/1.5	1462	30.5	32.0	1.5	1.88	4.13	39.43	gm/M.T.		2.82	6.195	59.145
		32.0 - 33.5 " " Py 8 Pb 2 n 5	1.5/1.5	1463	32.0	33.5	1.5	1.88	3.55	35.31	"		2.82	5.325	52.965
		33.5 - 35.1 " " Py 7 Pb 2 n 4	1.5/1.6	1464	33.5	35.1	1.6	2.05	1.88	27.43	"		3.28	3.008	43.888
		35.1 - 36.6 " " Py 8 Pb 2 n 4	1.5/1.5	1465	35.1	36.6	1.5	1.17	1.85	16.11	"		1.755	2.775	24.165
		36.6 - 38.6 " " Py 4 Pb 2 n 1	1.9/2.0	1466	36.6	38.6	2.0	.68	1.63	8.23	"		1.36	3.26	16.46
		sericite phyllite - 36.6 - 37.2 and 38.0 - 38.6		↓	(37.0	— 38.6	1.6)	-	-	-			1.088	2.608	13.168
		38.6 - 40.0 as above, Py 10 Pb 2 n 7	1.4/1.4	1467	38.6	40.0	1.4	4.20	5.53	109.03		○	5.88	7.742	152.642 ✓
40.0	43.1	Quartz Sericite Phyllite	3.0/3.1												
		dark grey, well foliated @ 80°, competent		w.A.	16.8	22.9	6.1	2.69	5.72	1.175	(40.3)		16.435	34.906	7.167 ✓
		minor fracturing @ 20°, trace sulphides		w.A.	22.9	33.5	10.6	1.63	3.07	27.8	gm/M.T	○	17.240	32.588	294.508 ✓
		along fract. faces, F_1 appears mainly		w.A	33.5	38.6	5.1	1.25	1.77	16.6	gm/M.T	○	6.395	9.043	84.513 ✓
		subparallel F_2.		Wt.Av.	37.0	40.0	3.0	2.32	3.45	55.27			6.968	10.25	165.81 ✓
				Wt.Av.	22.9	40.0	17.1	1.73	2.89	31.09			29.52	49.37	531.66
43.1	48.1	Bleached Sericite with Sulphides	4.5/5.0												
		pale green, well foliated @ 85°, F_1 mainly													
		@ 10° ± 10°, fuchsite locally (approx. 2%);													
		sulphides (py - sph ± gal) in sub-units													
		av. 7cm wide with qtz and sericite													
		@ 44.2, 44.5, 44.9, 45.3; also													
		46.5 - 47.3 as above tension fracture													
		@ 80° very common with carbonate													
		fill or open (as vugs)													

LOGGED BY SJ D.D.H. Nº U-26 PAGE 4/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
48.1	59.0	Quartz Sulphides with Graphite ± Sericite													
		moderate foliation @ 80°, fracturing @ 0°, 45°, generally competent, 15% graphite, F_1 structure not distinct, sulphide as bands or within qtz rich bands, details													
		48.1 - 50.3 as above py 15, Pb Zn 10	2.2 / 2.2	1468	48.1	50.3	2.2	3.25	8.20	50.40	oz/ton		7.15	18.04	110.88
		49.4 - 50.1 sericite - qtz rich			↓										
		50.3 - 52.4 as above py 10 Pb Zn 4	2.0 / 2.1	1469	50.3	52.4	2.1	2.90	7.64	52.46	"	0.3 x	0.87 6.09	2.292 16.044	15.738 110.166
		52.1 - 52.4 Bleach sericite			↓										
	gl	52.4 - ~~54.4~~ 55.1 as above py 17 Pb Zn ~~8~~ 12	~~2.8~~ 2.7 / ~~2.0~~	1470	52.4	~~54.4~~ 55.1	~~2.0~~ 2.7	4.70	8.12	65.49	"		12.69	21.924	176.823
		~~54.4~~ 55.1 - 56.4 as above py 15 Pb Zn ~~†~~ 5.5.	2.0 / 2.0 1.3	1471	~~54.4~~ 55.1	56.4	~~2.0~~ 1.3	1.73	4.13	29.14	"		2.249	5.369	37.882
		55.1 - 55.2 Bleach Sericite			↓										
		56.4 - 59.0 as above Py 12 Pb Zn 5	2.0 / 2.6	1472	56.4	59.0	2.6	1.40	2.68	19.20	"		3.64	6.968	49.92
		56.4 - 56.9 Bleached sericite with fushite and carbonate		W.A.	48.1	55.1	7.0	3.70	8.00	56.8	"		25.93	56.008	397.869 ✓
59.0	59.4	Fushite - Calcite (Kaolin?) alt.	0.4 / 0.4	W.A	52.1	55.1	3.0	4.52	8.07	64.2	"		13.56	24.216	192.564 ✓
		Zone, well foliated @ 80°, competent		W.A	55.1	59.0	3.9	1.51	3.16	22.5	"		5.889	12.337	87.802 ✓
59.4	59.9	Sericite Graphite Phyllite with Sulphide	0.4 / 0.6												
		dark grey, well foliated @ 80°, parting													
		along F_2 common, 10% sulphide (py-sph)													
		second contact marked by qtz. vein 10cm													

LOGGED BY SS D.D.H. Nº U-26 PAGE 5/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		wide													
59.9	62.0	Quart Sericite Phyllite dark grey, well foliated @ 90°, broken and fractured, incompetent, talcy, 61.9-62.0 sheared (marks second contact)	0.7/2.1												
62.0	62.7	Quart Sericite ± Muscovite(?) ± Biotite(?) Phyllite (and grey) pale green brown, moderate foliation @ 70° competent, silicious, fine granuals of qtz (<< 1mm), light brown mineral present (biotite?)	0.7/0.7												
62.7	68.1	Quartz Sericite Phyllite dark grey, well foliated @ 80°, locally fissile, F_1 locally evident as fold noses, qtz veins av 8 cm. wide @ 80°, @ 64.1, 67.4, 67.7. second contact gradational	4.6/5.4												
68.1	70.8	Quartz Chlorite (Muscovite?) Phyllite pale green, well foliated @ 80°, parting along F_2 common, competent, traces of sulphide locally, pale whitish-grey	2.5/2.7												

LOGGED BY JJ D.D.H. Nº U-26 PAGE 6/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		flakey mineral present - possibly muscovite													
70.8	76.2	Calcite Sericite ± Chlorite Phyllite	4.4 / 5.4												
		green-grey, well foliated @ 80°, parting along F_2 common, minor fracturing @ 5°, details													
		70.8 - 71.7 as above fractured and broken													
		72.9 - 73.2 Fault Gouge													
		sandy, grains average 1mm, pale grey, with sericite and calcite													
		74.4 - 76.2 Chlorite - Calcite - Sericite Phyllite													
	76.2	End of Hole													

Typed - HP

DIAMOND DRILL RECORD

LOGGED BY Glenn Tetu

D.D.H. № 76-4-27 PAGE 1/8

PROPERTY Grum Joint Venture (Underground)

LATITUDE 10781.03 (5+23.7N) STARTED Feb 13/76

DEPARTURE 7693.72 (72W) COMPLETED Feb. 15/76

ELEVATION 1157.89 PROPOSED DEPTH

ULTIMATE DEPTH 106.1

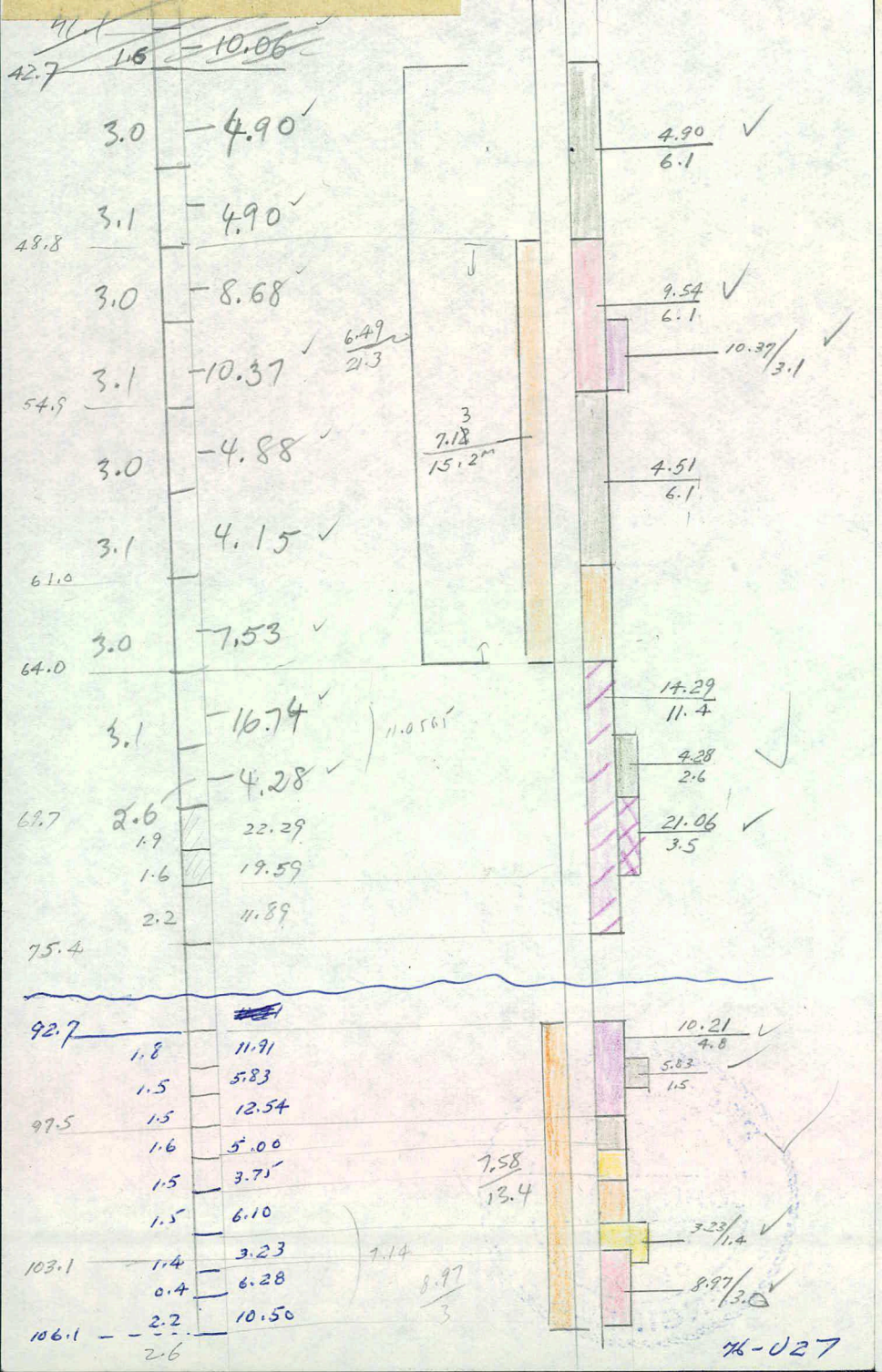
CLAIM №

HOLE SURVEY:		
DEPTH	BEARING	DIP
Collar	~~[illegible]~~	~~-69~~
	48° 25'09"	+62

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION (N.E. = 49.81 (X-5 = 49.6) E.P. = 93.68)	Recovery	Sample №	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	11.2	Quart Sulphides with Graphite ± Sericite mod. foliation @ 70° ± 10°, F_1 locally distinct @ 10° ± 10°; sulphides as bands av. 1cm wide (within qtz. rich bands), local massive zones; graphite av. 10% but variable, details														
		0 - 1.5, as above, broken and fractured P_y 20 Pb 2 Zn 10	0.6/1.5	1473	0	1.5	1.5	6.55	10.29	84.69			10.275	15.435	120.035
		1.5 - 3.0, " " , siliceous ~~muggy~~ P_y 15, Pb 2 Zn 7	0.9/1.5	1474	1.5	3.0	1.5	2.83	4.50	40.46			4.245	6.75	60.69
		3.0 - 4.6, " " , F_2 av. 45°, P_y 20, Pb 2 Zn 8	1.0/1.6	1475	3.0	4.6	1.6	3.35	3.20	42.51			5.36	5.12	68.016
		4.6 - 6.1, " " , siliceous P_y 15, Pb 2 Zn 7	1.3/1.5	1476	4.6	6.1	1.5	3.10	1.95	50.40		0	4.65	2.925	75.60 ✓
		6.1 - 7.6, " " , F_1 distinct @ 5° P_y 20, Pb 2 Zn 4	1.5/1.5	1477	6.1	7.6	1.5	.98	.60	25.37		0	1.47	0.90	38.055 ✓
		7.6 - 9.1, " " , broken and fractured, P_y 20 Pb 2 Zn 7	1.2/1.5	1478	7.6	9.1	1.5	2.25	2.90	46.29			3.375	4.35	69.435
		9.1 - 11.2, " " , competent P_y 15, Pb 2 Zn 9	2.1/2.1	1479	9.1	~~11.2~~	~~2.1~~	2.23	4.15	36.34			4.683	8.715	76.314
11.2	13.6	Bleached Phyllite	2.4/2.4									x.9	2.025	2.61	41.661
		Pale green, well foliated @ 50°,		WtA	0	4.6	4.6	4.32	5.94	54.1			19.880	27.305	248.741 ✓
		kaolin rich, 10% calcite, traces of		WtA	7.6	11.2	3.6	2.24	3.63	40.5		0	8.058	13.065	145.749 ✓
		chlorite and fuchsite, 2% sulphide		WtA	8.2	11.2	3.0	2.24	3.77	39.3			6.708	11.325	117.975 ✓
				WtA	1.5	4.6	3.1	3.09	3.84	41.5			9.605	11.87	128.706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61.0
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64.0
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= 4.28
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1.9 = 22.29
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7.18/15.2m
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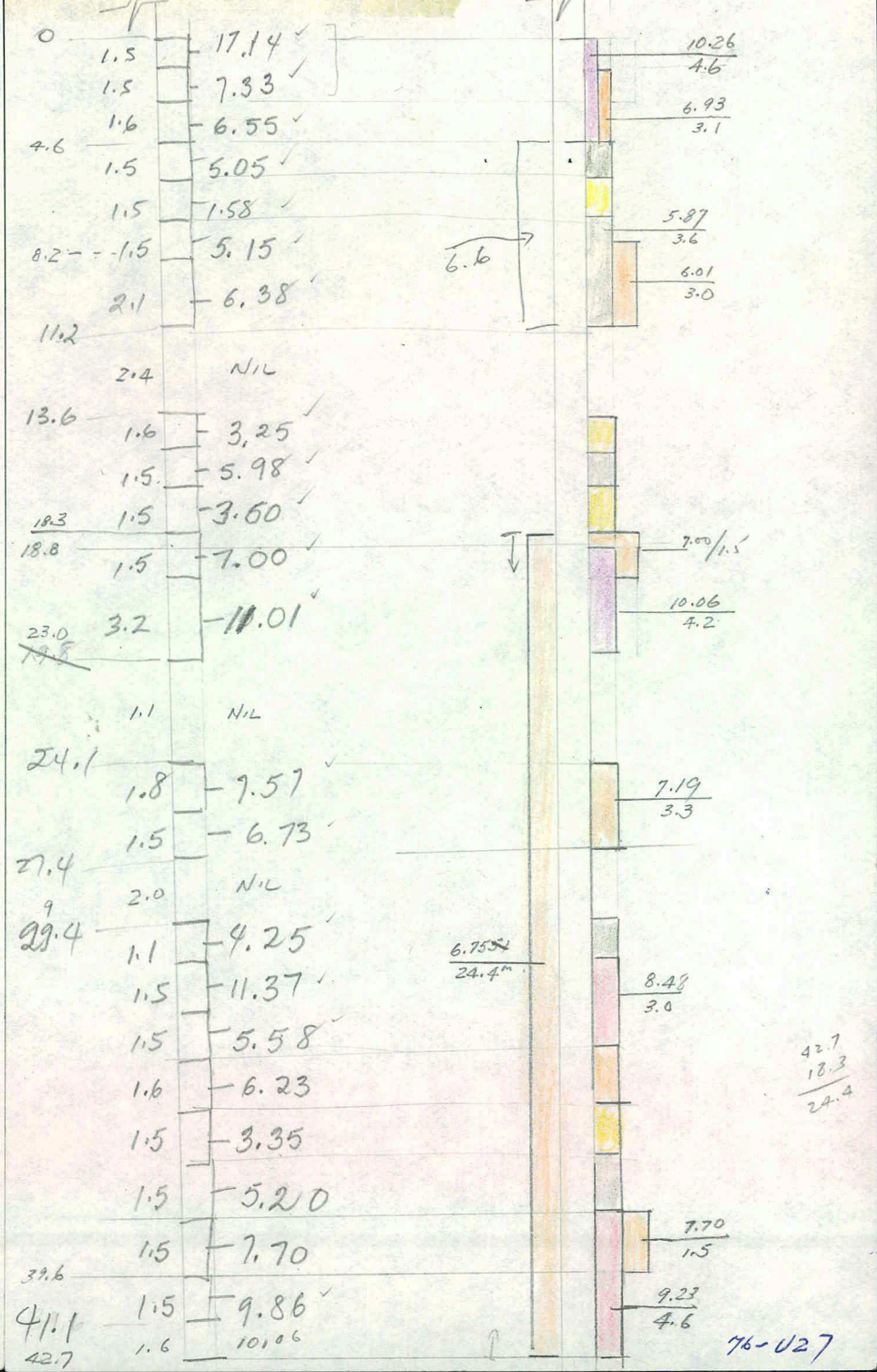
7.14
8.97/3
7.58/13.4
4.90/6.1
9.54/6.1
10.37/3.1
4.51/6.1
14.29/11.4
4.28/2.6
21.06/3.5
10.21/4.8
5.83/1.5
3.23/1.4
8.97/3.0
76-027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11.2
2.4 = NIL
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18.3
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18.8
1.5 = 7.00
23.0
3.2 = 11.01
1.1 = NIL
24.1
1.8 = 7.57
1.5 = 6.73
27.4
2.0 = NIL
29.4
1.1 = 4.25
1.5 = 11.37
1.5 = 5.58
1.6 = 6.23
1.5 = 3.35
1.5 = 5.20
1.5 = 7.70
39.6
1.5 = 9.86
41.1
1.6 = 10.06
42.7
6.6
6.75/24.4m
10.26/4.6
6.93/3.1
5.87/3.6
6.01/3.0
7.00/1.5
10.06/4.2
7.19/3.3
8.48/3.0
7.70/1.5
9.23/4.6
42.7
18.3
24.4
76-027

LOGGED BY BJ D.D.H. No U-27 PAGE 2/8

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		as stringers parallel F_2, competent first and second contacts @ 80° and sharp.		WT.AV.	4.6	11.2	6.6	2.15	2.56	39.3			14.18	16.90	259.41
13.6	27.4	Quartz Sulphides with Graphite ± Sericite mod. foliation @ 70°, textures same as for first qtz. sulph. zone, fracturing @ 15°, 30°, 80° details													
		13.6 - 15.2 as above competent Py 15, Pb2n4	1.6/1.6	1480	13.6	15.2	1.6	1.20	2.05	26.40					
		15.2 - 16.8 " " competent Py 30, Pb2n7	1.5/1.6	1481	15.2	16.8	1.5	2.88	3.10	36.34					
		16.8 - 18.3 " " , broken Py 12, Pb2n4	1.5/1.5	82	16.8	18.3	1.5	1.25	2.35	24.34					
		18.3 - 19.8 " " , fractured and broken, Py 25, Pb2n6	1.2/1.5	83	18.3	19.8	1.5	3.25	3.65	43.54	✓	✓	5.025	5.425	65.31
		19.8 - 23.0 " " , Py 16, Pb2n4, Bleached phyllite with kaolin + and calcite (+traces of fushite) @ 19.8 - 20.9 and 21.7 - 22.1, F_2 = 70°	2.6/3.2	84	19.8	23.0	3.2	5.56	5.45	69.60		✓	3.35 / 17.792	3.65 / 17.44	43.54 / 222.72
				WA	18.8	23.0	4.2	5.04	5.02	57.9			21.142	21.09	266.26
		23.0 - 24.1 Bleached phyllite as described above 4 % sulphide as stringers	0.9/1.1		23.0	24.1		0	0	0			0	0	0
		24.1 - 27.4 Fault Zone Py 25, Pb2n5	0.7/1.8	1485	24.1	25.9	1.8	2.18	5.39	38.40			3.924	9.702	69.12
		24.1 - 24.5 qtz. sulphide competent	0.7/1.5	86	25.9	27.4	1.5	2.43	4.30	40.46			3.645	6.45	60.69
		24.5 - 24.6 qtz. sulphide with sheared phyllite		W.A	~~24.1~~	27.4	3.3	2.30	4.89	39.33		✓	7.569	16.152	129.81

LOGGED BY S.J D.D.H. No 11-27 PAGE 3/8

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		24.6-25.7 qtz. sulph. broken and fractured, as gravel													
		25.7-26.0 as above competent													
		26.0-26.7 as above broken and fractured, as gravel													
		26.7-27.4 as above, breccia grains av. 0.5cm, ~~wide~~ healed by qtz.		WTAV →											
27.4	29.4	Quartz Sericite Phyllite silver grey, $F_2 = 90°$, fissile → sheared incompetent, talcy	0.4 / 2.0		27.4	29.4	/	0	0	0			0	0	0
29.4	75.4	Quartz Sulphide with Graphite moderate foliation, $F_2 = 50° \pm 10°$, F_1 locally distinct @ 0° and offset by F_2, graphite 15%; sulphides as rich dissemination in qtz rich bands av. wide 0.5cm, and as stringers following F_1 structure; fracturing @ 0° and parting along F_2 common, details													
		29.4-30.5 as above Py 2.0, Pb Zn 6	1.0 / 1.1	1487	29.4	30.5	1.1	1.55	2.70	28.46		✓	1.705	2.97	31.306 ✓
		30.5-32.0 " " Py 15 Pb Zn 10	1.5 / 1.5	88	30.5	32.0	1.5	3.68	7.69	65.49		✓	5.52	11.535	98.235

LOGGED BY SJ D.D.H. No U-27 PAGE 4/8

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		32.0-33.5 as above, graphite rich, py 8, Pb Zn 4	1.3/1.5	1489	32.0	33.5	1.5	1.63	3.95	29.14			2.445	5.925	43.71	
		33.5-35.1 as above Py 12, Pb Zn 6	1.3/1.6	1490	33.5	35.1	1.6	1.93	4.30	30.17			3.088	6.88	48.272	✓
		35.1-36.6 " " Py 25, Pb Zn 4	1.5/1.5	91	35.1	36.6	1.5	1.25	2.10	24.34			1.875	3.15	36.51	✓
		36.6-38.1 " " Py 20, Pb Zn 7	1.5/1.5	92	36.6	38.1	1.5	2.65	2.55	41.49			3.975	3.825	62.235	✓
		38.1-39.6 " " Py 20, Pb Zn 7	1.5/1.5	93	38.1	39.6	1.5	2.20	5.50	45.26			3.30	8.25	67.89	✓
		39.6-41.1 " " Py 20, Pb Zn 9	1.5/1.5	94	39.6	41.1	1.5	2.68	7.18	53.49			4.02	10.77	80.235	
		41.1-42.7 " " Py 25, Pb Zn 10	1.4/1.6	1495	41.1	42.7	1.6	3.90	6.16	66.51			6.24	9.856	106.416	
		42.7-45.7 " ", F_2 = 30° Py 20, Pb Zn 3	2.5/3.0	1496	42.7	45.7	3.0	1.45	3.45	34.29			4.35	10.35	102.87	
		breccia 44.3-44.4 fragments av. 1cm														
		of sulphide and graphite phyllite		W.A	38.1	42.7	4.6	2.95	6.28	55.4			13.56	28.876	254.541	✓
		healed by qtz. and sulphide		WT Av.	18.3	42.7	24.4	2.56	4.19	40.68		0	62.554	102.228	992.649	
		45.7-48.8 as above, F_2 @ 35° Py 15, Pb Zn 4	2.9/3.1	1497	45.7	48.8	3.1	1.75	3.15	32.23			5.425	9.765	99.913	
		no distinct F_1		↓	42.7	48.8	6.1	1.60	3.30	33.2		0	9.775	20.115	202.783	✓
		48.8-51.8 as above F_2 = 40° Py 15, Pb Zn 4	2.9/3.0	1498	48.8	51.8	3.0	2.75	5.93	41.49			8.25	17.79	124.47	
		49.4-50.5 fractured and		↓												
		broken		↓												
		51.8-54.9 as above, Py 15, Pb Zn 5	3.1/3.1	1499	51.8	54.9	3.1	3.45	6.92	56.57			10.695	21.452	175.367	✓
		53.7-54.6 Breccia, angular														
		fragment av. 0.2cm of sulphide			48.8	54.9	6.1	3.11	6.43	49.2		*	18.945	39.242	299.837	✓
		and graphite, well healed by														
		graphite and qtz.		↓												
		54.9-57.9 as above, F_2 = 20° Py 16, Pb Zn 3	3.0/3.0	1500	54.9	57.9	3.0	1.70	3.18	31.20			5.10	9.54	93.6	

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		57.9 - 61.0 as above, $F_2 = 20°$, Py 15, Pb Zn 4	2.7 / 3.1	1501	57.9	61.0	3.1	1.75	2.40	30.17			5.425	7.44	93.527
		61.0 - 64.0 as above, $F_1 = 80°$, $F_2 = 15°$, Py 15, Pb Zn 5	2.8 / 3.0	1502	61.0	64.0	3.0	2.73	4.80	40.46		x	8.190	14.40	121.38 ✓
		F_2 subordinate to F_1		wt ↓ Au	18.3	64.0	45.7	2.41	4.22	39.47			109.99	192.97	1803.77
		64.0 - 67.1 as above Py 14, Pb Zn 6	2.8 / 3.1	1503	64.0	67.1	3.1	5.90	10.84	82.63			18.290	3 3⅛.604	256.153
		$F_1 = 10°$, F_2 not distinct locally		↓											
		@ 40°		↓											
		67.1 - 69.7 as above Py 14, Pb Zn 2	2.0 / 2.6	1504	67.1	69.7	2.6	.33	3.95	9.94			.858	10.27	25.844 ✓
		fault Gouge 69.4 - 69.5, sandy		wt Au	48.8	64.0	15.2	2.48	4.65	40.02		o	37.66	70.622	608.344
		material rich in py and qtz.	WA.		54.9	61.0	6.1	1.73	2.78	30.7		x	10.525	16.98	187.127 ✓
		vuggy 20 cm either side of		↓											
		gouge		↓											
		69.7 - 71.6 as above Py 10 Pb Zn 14	1.8 / 1.9	1505	69.7	71.6	1.9	8.35	13.94	117.94			15.865	26.486	224.086
		71.6 - 73.2 as above Py 10 Pb Zn 14	1.4 / 1.6	1506	71.6	73.2	1.6	7.27	12.32	93.94			11.632	19.712	150.304
		73.2 - 75.4 as above Py 15 Pb Zn 10	2.0 / 2.2	1507	73.2	75.4	2.2	4.00	7.89	65.49			8.800	17.358	144.078
		sheared (74.9 - 75.1)													
75.4	80.0	Bleached Phyllite	2.0 / 4.6	W.A	64.0	75.4	11.4	4.87	9.42	70.2			55.445	107.430	800.465 ✓
		pale green, well foliated @ 80°, first		W.A	69.7	73.2	3.5	7.86	13.19	106.9			27.497	46.198	374.390 ✓
		contact gradational, sericite rich (fuchsite)													
		talcy, traces of calcite and ~~fuchsite~~													
		qtz sulphide 78.4 - 78.9 ; second													
		contact qtz vein 10 cm wide													
80.0	82.3	Quart Sericite Phyllite	2.0 / 2.3												

LOGGED BY BJ D.D.H. No U-27 PAGE 6/8

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		dark grey, well foliated @ 70°, parting along F_2 common; qtz veins common av. 2cm wide, @ 70°; second contact qtz vein 10cm wide, broken.													
82.3	85.1	Bleach Phyllite with Sulphides pale green, sericite rich, well foliated @ 75°; qtz veins common, av. 3cm wide and @ 75°; sulphides - 2% as small stringers subparallel F_2, 84.3 - 84.7 Quartz Sulphide moderate foliation @ 50°, 30% sulphide, mainly py with traces of sph.	2.5 / 2.8												
85.1	91.0	Quartz Sericite Phyllite dark grey, well foliated @ 20° ± 10° first contact qtz vein 10cm wide @ 80°, core generally fissile, 85.5 - 85.6 sheared qtz vein 87.8 - 88.0 fractured and broken, second contact qtz vein 10cm wide fractured and broken.	4.6 / 5.9												
91.0	92.7	Quartz Sericite Phyllite with Sulphides well foliated @ 50°, light grey colour	1.6 / 1.7												

LOGGED BY SS D.D.H. Nº U-27 PAGE 7/8

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		sulphide - 2% as fine disseminate														
		in qtz bands														
92.7	99.1	Quartz Sulphide with ± Sericite Graphite														
		moderate foliation @ 60°, 15% graphite														
		fracturing @ 15° with parting along F_2														
		common, core generally fractured														
		and broken; sulphides as stringer-														
		disseminate mainly confined to qtz														
		rich bands; details														
		92.7 - 94.5 as above Py 15, PbZn 8	1.6/1.8	1508	92.7	94.5	1.8	3.88	8.03	15.77			6.984	14.454	136.386	
		94.5 - 96.0 " " Py 4 PbZn 4	0.9/1.5	1509	94.5	96.0	1.5	2.23	3.60	33.26			3.345	5.40	49.89	✓
		bleach phyllite, pale green,														
		sericite rich 95.0 - 96.0														
		96.0 - 97.5 as above Py 15 PbZn 10	1.2/1.5	1510	96.0	97.5	1.5	5.70	6.84	81.60			8.55	10.26	122.4	
		97.5 - 99.1 as above Py 12 PbZn 3	0.8/1.6	1511	97.5	99.1	1.6	2.05	2.95	33.26			3.28	4.72	53.216	✓
99.1	103.0	Quartz Sericite with Sulphides	2.8/3.9													
		well foliated @ 50° ± 10°, dark grey colour,		01645	99.1	100.6	1.5	1.20	2.35	18.17			1.80	3.525	27.255	✓
		locally traces of graphite, sericite		6		102.1	1.5	2.80	3.30	34.29			4.20	4.95	51.435	✓
		on F_2 faces talcy, party along		7		103.5	1.4	.90	2.33	12.00			1.26	3.262	16.80	✓
		F_2 common; sulphides - 5% confined		8		103.9	0.4	1.93	4.35	31.20			0.772	1.740	12.48	
		to qtz rich bands; detail		W.A	92.7	97.5	4.8	3.93	6.28	64.3			18.879	30.114	308.676	✓
		99.1 - 101.8 as above fractured and														
													×0.4	0.36	0.932	4.80

LOGGED BY SJ D.D.H. Nº U-27 PAGE 8/8

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		broken														
		101.8 - 103.0 as above competent.														
103.0	103.9	Sheared Phyllite	0.4 / 0.9													
		Sericite Graphite Phyllite, as coarse														
		gravel to sand (fragment size)														
103.9	106.1	Banded Qtz. Sulphide ± Graphite	2.2 / 2.2	1512	103.9	106.1	2.2	4.18	6.32	66.51			9.196	13.904	146.322	
		mod foliation @ 30° ±10°, generally														
		competent; 104.1 - 104.4 bleached		QA	92.7	106.1	13.4	2.94	4.64	45.9			39.387	62.215	616.164	✓
		phyllite, pale green, kaolin rich; massive		QA	103.1	106.1	3.0	3.44	5.52	54.5			10.328	16.576	163.602	✓
		sulphide 105.3 - 105.8; Py35 Pb2 Zn 8														
	106.1	End of Hole														
		terminated in sulphide zone														

typed ✓ LP

DIAMOND DRILL RECORD

LOGGED BY E Chow

PROPERTY GRUM JOINT VENTURE

D.D.H. No. 76-028 PAGE 1 of 4

LATITUDE 1078.75 N 0+50N | BEARING OF HOLE ____ | STARTED Feb 16/76

DEPARTURE 7538.75 E 74W. | DIP OF HOLE ~~-43°~~ (-39° 30' / -38°) | COMPLETED Feb 17/76

ELEVATION 1166.52 m | DIP TESTS none | DEPTH Proposed: 165 m Ultimate: 64.0 m

Azt. 48° 42' 12"

H.D. = 49.38

V.D. = 40.71 (1125.81 EL.)

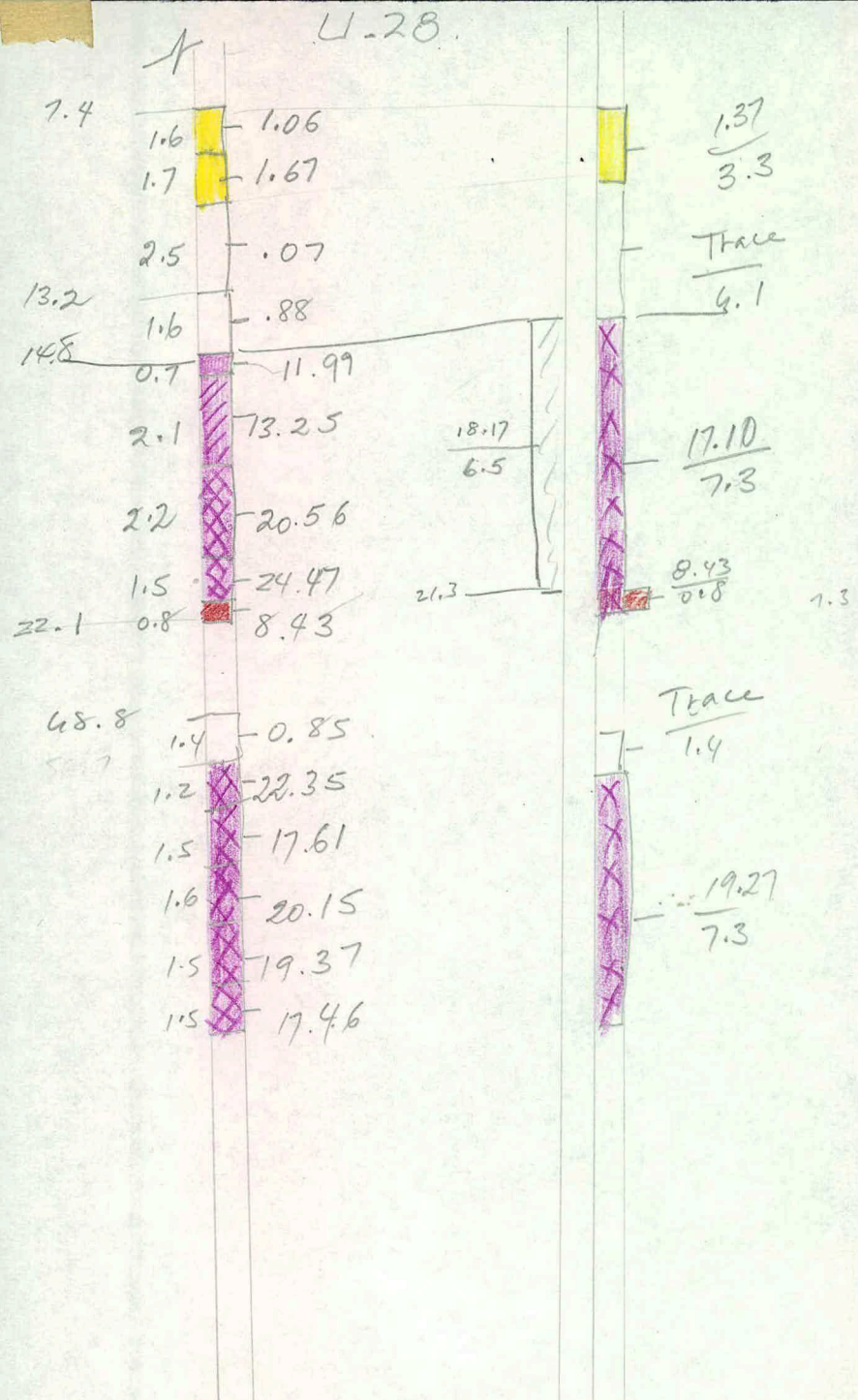
N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

CLAIM No. ____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	1.8	QTZ-SER PHY w/Sulphs. Bleached Buff.													
		60% qtz-fels, 5 Py, 4 PbZn. Sulphs in 1mm to 1cm bands.	Lit		0	1.8									
		Note Fl+Ba mineralization.													
		C.A. 40°													
1.8	7.4	QTZ-SER PHY. Light Gray w/ Bleached Sections													
		45-50% qtz-fels, parts sericitic. 1% sulphs.	1.4/4.3		1.8	6.1									
		C.A. 70° @ 2-3, 80° @ 4.8-6.5.	0.7/1.3			7.4									
7.4	13.2	QTZ-SER PHY w/Sulphs. Bleached Buff.													
		30-60% qtz-fels. Varying sulph content. Qtzy and sericitic sections.	0.85	U1513	7.4	9.0	1.6	.58	.48	8.23			.928	.768	13.168
		7.4-9.0 ~ highly fractured w/ sulph flow bands, 10 Py, 4 PbZn	0.25	4		10.7	1.7	.97	.70	1509			1.649	1.19	25.653
		-10.7 ~ Sulph-rich qtz-barite-ser-mag. 50% py, 8 PbZn, 0.2 mag.	0.7	5		13.2	2.5	.04	.03	.34					
		-13.2 ~ highly sericitic + siliceous. 0.5 Py, 0.2 PbZn													
		C.A. 60° @ 7.6-8.7, 50° @ 10.7, 70° @ 12		W.A	7.4	10.7	3.3	0.78	0.59	11.76			2.577	1.958	38.821
13.2	22.1	QTZ SULPH-BARITE. Massive. Part Breccia.													
		13.2-14.8 ~ 60% py as 1-5 cm bands, often broken and ac													

U-28.


7.4
1.6
1.06
1.7
1.67
2.5
.07
13.2
1.6
.88
14.8
0.7
11.99
2.1
13.25
2.2
20.56
1.5
24.47
22.1
0.8
8.43
48.8
1.4
0.85
1.2
22.35
1.5
17.61
1.6
20.15
1.5
19.37
1.5
17.46
18.17
6.5
21.3
1.37
3.3
Trace
4.1
17.10
7.3
8.43
0.8
1.3
Trace
1.4
19.27
7.3

LOGGED BY _____ D.D.H. Nº 76-U28 PAGE 2 of 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		irregular bands. 40% qtz as fragments and breccia occuring in irregular and/or broken bands.													
		Rock hard & massive w/ some fractures. Minor Pb Zn noted, est. 0.7 %.	1.0	U1516	13.2	14.8	1.6	.68	.20	25.37					
		14.8 – 15.8 ~ bands of mass. sulphs & bands of sulph breccia, latter re-cemented into solid rock in qtz w/ minor py matrix.	0.55	U1517		15.5	0.7	7.24	4.75	102.86			5.068	3.325	72.0
		75 Py, 6 Pb Zn ave 0.1 Mag.													
		– 17.1 ~ Qtz-Barite-Sulphs; irregular bands mass. sulphs and dissem. sulphs in bands, both in qtz-barite. Av. 30 Py, 11 Pb Zn, minor mag. Both dark brown & honey color sphal													
		– 17.6 ~ Bleached buff ser; 10 Py, 6 Pb Zn, 0.4 Cu.	1.5	U1518		17.6	2.1	7.50	5.75	95.66			15.75	12.075	200.886
		– 21.3 ~ Rich barite, minor calcite, rich to H.G. Pb Zn. Av 18 Pb Zn, 25 Py.													
		~ Slightly porous in H.G. section @ 18.8 – 19.8.													
		– 22.1 ~ Mass. sulph & Qtz-Ser contact. Av. 40 py, 10 Pb Zn. Irregular contact.	2.1	U1519		19.8	2.2	11.85	8.71	146.74			26.07	19.162	322.828
			1.2	U1520		21.3	1.5	14.95	9.52	186.52			22.425	14.28	279.78
		C.A. 80° @ 13.4 – 14.7, 50° @ 14.9, 65° @ 15.8 to 17, 45° @ 17.1, 40° @ 17.7, 75° @ 18, 30° @ 18.4, 15° @ 18.8, 50° @ 19.3, indistinct @ 19.4 – 20 and appear to be noses. 50° @ 20.2	0.4	U1521		22.1	0.8	4.83	3.60	64.46			3.864	2.88	51.568
				W.A.V	14.8	22.1	7.3	10.0	7.08	126.9			73.177	51.722	927.062
~~22.1~~	~~E~~			" "	14.8	21.3	6.5	10.66	7.51	139.7			69.32	48.89	875.49
22.1	28.2	Qtz – Ser – [redacted] Qtz. Light Gray.													
		45% qtz. Thinly foliated, fissile, numerous	0.35/0.8		22.1	22.9									
		tension cracks, also slips. Fractures qtz-ankerite-calcite filled.	1.35/1.5			24.4									
			2.0/3.0			27.4									
		C.A. 30° @ 22.6, 50° @ 23.4, 40° @ 24, 20° @ 25.8, 15° @ 26.4, 25° @ 27.	0.25/0.8			28.2									

LOGGED BY _____ D.D.H. Nº 76-028 PAGE 3 of 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
28.2	40.9	QTZ-SER-CALCITE PHY. Light Gray.													
		30-35% qtz, 60-65 Ser, 1-5 Calc. Thinly foliated, also thicker bands of up to 3 cm sericite. Mod. fissile, many tension cracks, also tight slips showing minor offsets.	1/2.3 10.4/10.4		28.2	30.5 40.9									
		C.A. 40° @ 30.5, 20° @ 31.2, 35° @ 31.6, 30° @ 32, 15° @ 32.9 - 33.5. F1 @ 40-80° to F2 @ 33.4. 20° @ 33.6 - 35.2. F2 fold nose? @ 35.2. 40° @ 35.5 - 36.4. F1 sub-vert. to F2 @ 35.4. 50° @ 36.7 - 38.3, 55° @ 38.8 - 40.9.													
40.9	48.8	QTZ-SER PHY. Light to Med. Gray.													
		Similiar phy. as 22.1 - 28.2m though more alteration through stresses.	0.85/1.8		40.9	42.7									
		42 - 42.7(?) ~ Fault? Gouge + sheared rock (@ 10-20°)	1.7/4.5			47.2									
		44.8 - 46 (?) ~ Intense shearing 47 - 48.8 ~ Bleached white. 48.8 ~ contact irregular, slip contact? Approx 75°.	1.1/1.6			48.8									
		C.A. 55-60° to 42m, 40° @ 44.4, F1? @ 44.6 (sub-vert to banding). 60° @ 47.3 - 48.8. F1 subvert. to F2 @ 48.2 - 48.6.													
48.8	56.7	QTZ-GRAPH PHY w/ Minor Sulphs.													
		70-85% qtz, 5-15 graph, 1-6 py; 0.3 Pb/Zn	6/6.5		48.8	55.3									
		@ 55.3 - 56.7m. Light to med. gray qtzose bands w/ dissem. graphs banded with richer graphite bands. Zone shows well developed F1 folds, .05-7 cm size. Rock fractured & mod. weak ground	1.4	V1522		56.7	1.4	.22	.63	4.11					✓
		C.A. 45° @ 50.3, 20-30° @ 51, 50° @ 51.8 to 55; 40° @ 55.1 - 56, 50° @ 56.2 - 56.5. F1 varies from 60-90° to F2 (or varies from 0-45° to core axis.													

LOGGED BY JC Chow D.D.H. Nº 76-U28 PAGE 4 of 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
56.7	64.0	MASSIVE SULPHS. Porous, Breccia (parts)													
		Massive, fine-grained sulphs, mod. porous w/a few vug holes and leached fractures. Upper contact not recovered. Appear to be Fi mineralizn.	0.95	U1523	56.7	57.9	1.2	8.50	13.85	179.66			10.2	16.62	215.592
			1.0	4		59.4	1.5	7.53	10.08	116.92			11.295	15.12	175.38
		56.7 – 58.3 ~ 70 Py, 22 Pb Zn,	1.45	5		61.0	1.6	7.78	12.37	151.20			12.448	19.792	241.92
		– 59.3 ~ 85 Py, 8 Pb Zn,													
		– 60.5 ~ 70 Py, 12(?) Pb Zn, fractured, also sulph breccia in sulph+anterite(?) matrix.	1.4	6		62.5	1.5	6.75	12.62	109.94			10.125	18.93	164.91
		– 62.5 ~ 75 Py, 14(?) Pb Zn: As above.	1.1	7		64.0	1.5	6.82	10.64	110.06			10.23	15.96	165.09
		– 64.0 ~ 70 Py, 15(?) Pb Zn. Brecciated and sulph breccia in sulph-qtz matrix.													
		C.A. 70° @ 56.7, Fb(?) @ 56.8: 80° to above banding or // to core,		W.A	56.7	64.0	7.3	7.44	11.84	131.9			54.298	86.422	962.892 ✓
		20° @ 57, 70° @ 57.3, 80° @ 57.8, fold nose (F1a2) // core @ 59.6. 30° @ 60.5, 45° @ 61.													
	64.0	END OF HOLE (abandoned).													

REMARKS:

Rods stuck after reaching bottom for next run. Bit @ 8ft from bottom, stuck solid. Had to blast to save rods. Core barrel & bit left in hole.

JC

Typed - UP.

DIAMOND DRILL RECORD

LOGGED BY D. Elson

D.D.H. Nº 76-U29 PAGE 1 of 5

PROPERTY GRUM JOINT VENTURE

LATITUDE 10709.13 0+59 NN STARTED Feb 17/76

DEPARTURE 7538.50 74 W COMPLETED Feb 18/76

ELEVATION 1167.26 PROPOSED DEPTH

ULTIMATE DEPTH 68.6 m.

HOLE SURVEY:

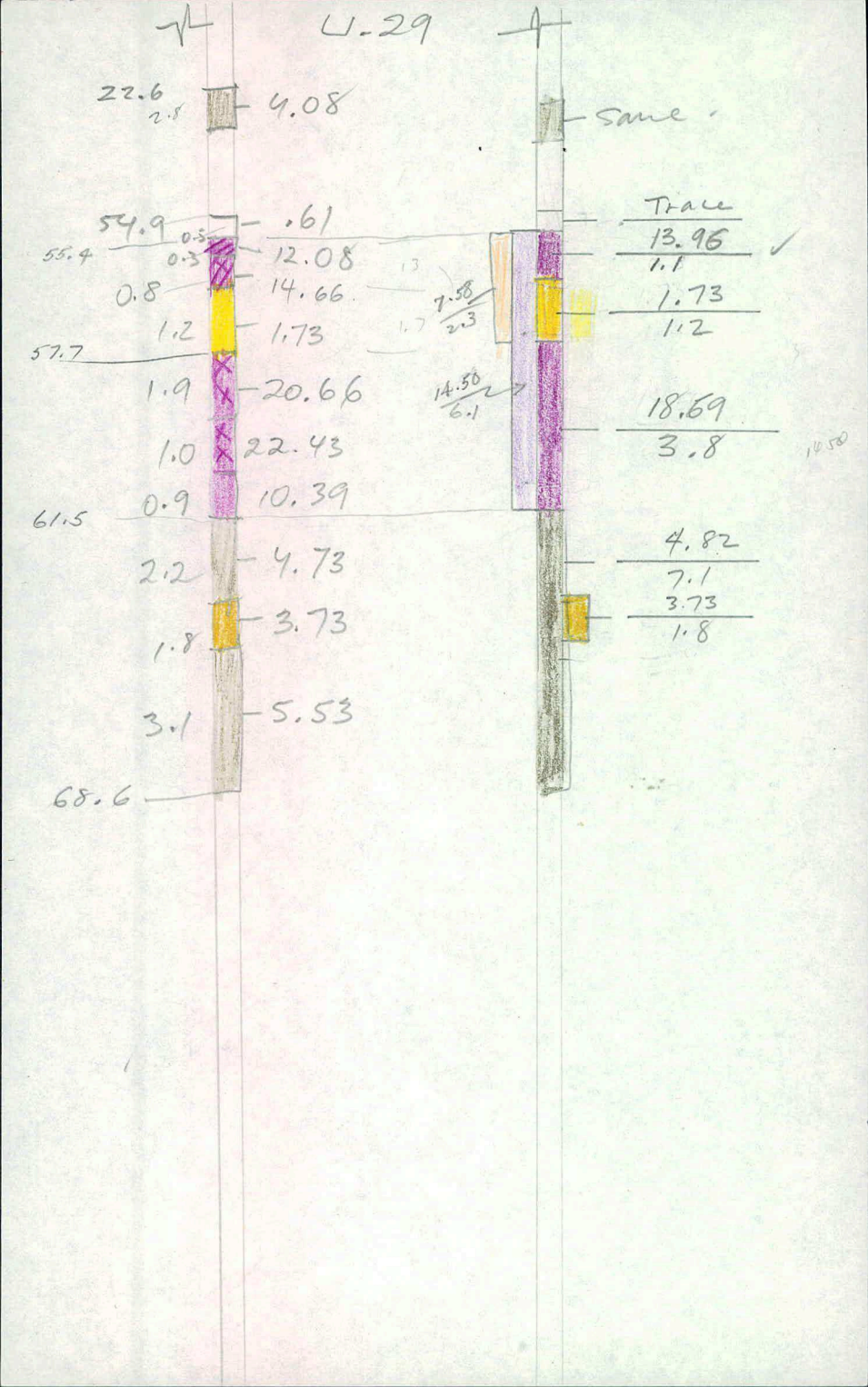
DEPTH	BEARING	DIP
Collar	46°14'03"	-13°51'
No	down-hole	survey
A.D. =	66.61	
V.D. =	16.40	(1850.85E)

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery Metres	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	4.9	QTZ-SER PHY. Bleached Buff. Sb													
		55% qtz-fels. Well foliated, firm but parts mod. readily.	4.4/4.9		0	4.9									
		0.5% py in qtz-se layers, spotty minzn. Spots Pb-Zn.													
		C.A. 15° @ 0.3, 0° @ 0.8, 20-25° @ 1.3-4.8													
4.9	12.2	QTZ-SER PHY. Light to Med. Gray S													
		50-60% qtz-fels. Well foliated, more fissile than rocks above.	6.7/7.3		4.9	12.2									
		Med. shearing @ 6.5-7.5m. Minor shears @ 8.5-10.7m.													
		Many fractures w/ qtz-ankerite filling. A few tight slips.													
		C.A. 45° @ 5.2, 35° @ 5.4-7.6, 40° @ 8.2, 20° @ 9.3-11.5, 20-30° @ 13.4													
12.2	22.6	QTZ-SER PHY w/ Sulphs. Bleached Buff. Sb													
		Similar to 0-4.9m except less qtz (30-40%), also	0.65/1.5		12.2	13.7									
		sections highly sericitic and more contorted.	1.5/1.5			15.2									
		3-4% py though negligible in first 3 metres. A few scattered specks of Pb, Zn & spot of Cu.	0.8/1.6			16.8									
		Sheared @ 21.8-22.6m, loose and/or fissile.	5.8/5.8			22.6									
		C.A. 35° @ 14.2-15.5, 20-25° @ 15.9-18. Fi subvert to Fz													


U-29
22.6
2.8
4.08
Same.
54.9
.61
55.4
0.5
0.3
12.08
0.8
14.66
1.2
1.73
57.7
1.9
20.66
1.0
22.43
0.9
10.39
61.5
2.2
4.73
1.8
3.73
3.1
5.53
68.6
Trace
13.96
1.1
1.73
1.2
7.58
2.3
14.30
6.1
18.69
3.8
4.82
7.1
3.73
1.8

LOGGED BY J. Elson D.D.H. No 76-029 PAGE 2 of 5

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		@ 17.4 – 18" (40°-45° to core) & 40° @ 18.3, 45° @ 18.8 and F1 @ 90° to F2 (40° to core) & 20° @ 19, 20° to 0° @ 19.4, 0° to 20.2", 20-25° @ 20.4 - 22.6													
22.6	22.9	SHEAR or FAULT.													
		Brecciated sulphs + phy. 25 Py, 5 Pb-Zn													
22.9	25.4	QTZ - SULPHS ± SER P													
		Bands of mass. sulphs w/ qtz, also intermittent foliations and one to 10 mm. banding of bleached phyllite. Zone mod. fractured.	2.2	U1528	22.6	25.4	2.8	2.13	1.95	35.31					
		Av. 40% py, 1-8 Pb Zn, clots mag, & spots Cu. F2 & F1 mineralization.													
		C.A. 40° @ 22.9, 30-20° @ 23.3 (F1 @ 80-90° to F2, 75-45° to core). 40-30° @ 23.9 – 24.4", 50° @ 24.6 - 25.4".													
25.4	25.9	QTZ - SER PHY. Bleached Gray Buff. S6	0.5/0.5		25.4	25.9									
25.9	36.9	QTZ - SER ± GRAPH PHY. Med Gray. S-G													
		50-60% qtz-fels, 1-3 Graph. Rock massive but parts readily along foliation. Minor fractures & slips.	2.9/3.1		25.9	29.0									
			0.8/1.5			30.5									
			6.4/6.4			36.9									
		C.A. F2 fold nose @ 25.9", 30° @ 26.1 - 28.4, F1 @ 50-90° to F2 @ 26.7 - 28.4 (30° to core). 50-40° @ 28.8, 30° @ 30.7, 40° @ 31.1, 50° @ 32.2°, 40 + 50° @ 32.7 - 36.4. F1 @ 90° to 30° to F2 @ 31.5 - 36 but poorly developed. Good F1 @ 36.2 - 36.5 @ 70-90° to F2.													

LOGGED BY PC D.D.H. No 76-029 PAGE 3 of 5

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
36.9	40.5	QTZ - SER - CALC PHY. Med. Gray. S-K													
		Similar to 25.9 - 36.9' except less qtz (30%) plus addition of calcite about 5%, within qtz-bx layers. Firm rock.	3.6/3.6		36.9	40.5									
		C.A. 50° @ 37 - 38.5', 55° @ 38.7 - 40.3'. Fi poor @ 37.2.													
40.5	53.0	QTZ - SER ± CALC ± CHL PHY. Altered													
		Interbanded Qtz-Ser and Qtz-Ser-Calc-Chl Phy of various colors.	12.2/12.5		40.5	53.0									
		40.5 - 42.7 : Qtz-Ser + Qtz-Ser-Calc, light gray w/ minor buff ser. foliations. Minor Fi developed.													
		- 44.2 : Qtz-Ser, med. gray, many tension cracks.													
		- 45.0 : Qtz-Ser-Chl-Calc, light greenish-gray.													
		- 45.7 : Qtz-Ser, Buff & light gray, siliceous.													
		- 49.4 : Qtz-Ser-Calc, dirty light gray, numerous qtz-carb filled fractures, firm, poor to well developed Fi.													
		- 51.8 : Qtz-Ser-Calc, as above but med. gray.													
		- 53.0 : Qtz-Ser, dirty light gray, fractured, slightly sheared, fissile.													
		C.A. 50 - 55° @ 40.5 - 47', 35-40° @ 48.2 - 52.7. Fi generally ll core but varies to 45°.													

LOGGED BY J Chow D.D.H. No 76-029 PAGE 4 of 5

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		SHEAR ZONE.													
53.0	55.7	Qtz-Ser-Graph Phy ; Dark Gray to Black. S-G													
		Rocks sheared - 0% to 100% from 53-55.7m,	1.5/1.9		53.0	54.9									
		probable gouge @ 55.1-55.4m. Non-competent from 55m.	0.3	U1529		55.4	0.5	.03	.58	Tr.					
		1-5% graph. No sulphs noted except													
		55.4-55.7: 0.15m(?) of rich sphal., plus phy	0.25	U1530		55.7	0.3	4.45	7.63	40.46		X	1.335	2.289	12.138
		containing about 4 Py, 4 Pb Zn. (Av. 7PZ)													
		C.A. 55° @ 53-54m, 40° @ 54.1-54.6. Fi // core													
		@ 54.9. 10-20° @ 55-55.3m. 40°(?) @ 55.5m.													
55.7	56.5	MASSIVE SULPHS M													
		Mass. sulphs sheared about 0.1m @ both contacts,	0.6	U1531	55.7	56.5	0.8	5.65	9.01	77.83		X	4.52	7.208	62.264
		remaining slightly fractured.		W.A	55.4	56.5	1.1	5.32	8.64	80.3			5.855	9.497	88.362
		Banding faint ≈ 38° C.A. Fi (?) Qtz-Ser-Sulph													
		inclusion between sulph bands @ 56.2m // core.													
		75 Py, 16 Pb Zn.													
56.5	57.7	Qtz-Ser-Graph Phy. Dark Gray to Black. S-G													
		Similar phy as 53.0-55.7m, less shearing.	0.5	U1532	56.5	57.7	1.2	.50	1.23	8.91		Y	0.6	1.476	10.692
		4 Py, 1.5 Pb Zn													
		C.A. 40-50°													
57.7	59.8	MASSIVE SULPHS. Part Breccia. M													
		Mass. sulph w/ intermittent H.G. (26-30% Pb Zn)	1.7	U1533	57.7	59.6	1.9	7.47	13.19	106.97		Y	14.193	25.061	203.243
		bands. Av. 70 Py 20 Pb Zn. Sulph Breccia @ 58.3-58.8.													
		Qtz-Ser-Sulph Breccia @ 59.3-59.4m. Fi min Zn.													
		C.A. 25-30° @ 58-59, 65° @ 59.3-59.8m.													
		Fi @ acute angle to core @ 59.2.													

LOGGED BY PC D.D.H. Nº 76-029 PAGE 5 of 5

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
59.8	68.6	QTZ - GRAPHITE w/ SULPHS													
		60-70% qtz, 3-25 py, 2-12 PbZn, 2-5 graph.	0.55	01534	59.6	60.6	1.0	6.70	15.73	90.86		X	6.70	15.73	90.86
		massive solid rock. Well developed F_1, F_1 minor.	0.65	01535		61.5	0.9	3.03	7.36	48.34		Y	2.727	6.624	43.506
		59.8 - 60.6 : 30 py, 12 PbZn,	1.9	6		63.7	2.2	1.88	2.85	34.29			4.136	6.27	75.438
		- 61.5 : 25 py, 7 " "													
		- 63.7 : 15-20 py, 4.5 " "	1.8	7		65.5	1.8	.95	2.78	17.14			1.71	5.004	30.852 ✓
		- 65.5 : N.S py, 2.5 " "													
		- 68.6 : 5 py, 5.5 " "	2.9	8		68.6	3.1	1.73	3.80	30.17			5.363	11.78	93.527
		C.A. 65° @ 59.9 (F_2?), 60° @ 59.9m and F_1 // core to 61.7.													
		F_1 @ 20° @ 61.8 - 63.4m. F_1(?) @ 60° fr. 63.7 - 63.8.		W.A	57.7	61.5	3.8	6.22	12.47	88.8			23.620	47.445	337.609 ✓
		F_1 nose @ 63.9. F_2 @ 10° @ 64, 60-90° @ 64.5.													
		F_2 (nose) // core @ 64.7 and F_1 sub-dext to F_2 (40-45° to core).		W.A	61.5	68.6	7.1	1.58	3.25	28.1			11.209	23.054	199.817 ✓
		F_2 @ 25° @ 65.1m and F_1 @ 90° to F_2 (40° to core).		W.A.	55.4	61.5	6.1	4.93	9.59	69.29			30.075	58.388	422.703
		F_1 @ 10-0° from 65.5 - 68.5m and F_2 approx. 25°.													
	68.6	END OF HOLE.													

REMARKS:

Hole stopped within 5" of 3"/West Ramp. PC

Typed + HP.

DIAMOND DRILL RECORD

LOGGED BY J. Glow

D.D.H. No 76-U30 PAGE 1 of 3

PROPERTY Grum Joint Venture

LATITUDE 10709.04 0+18N STARTED Feb 18/76

DEPARTURE 7538.30 74-2W COMPLETED Feb 19/76

ELEVATION 1169.60 PROPOSED DEPTH

ULTIMATE DEPTH 36.6 m.

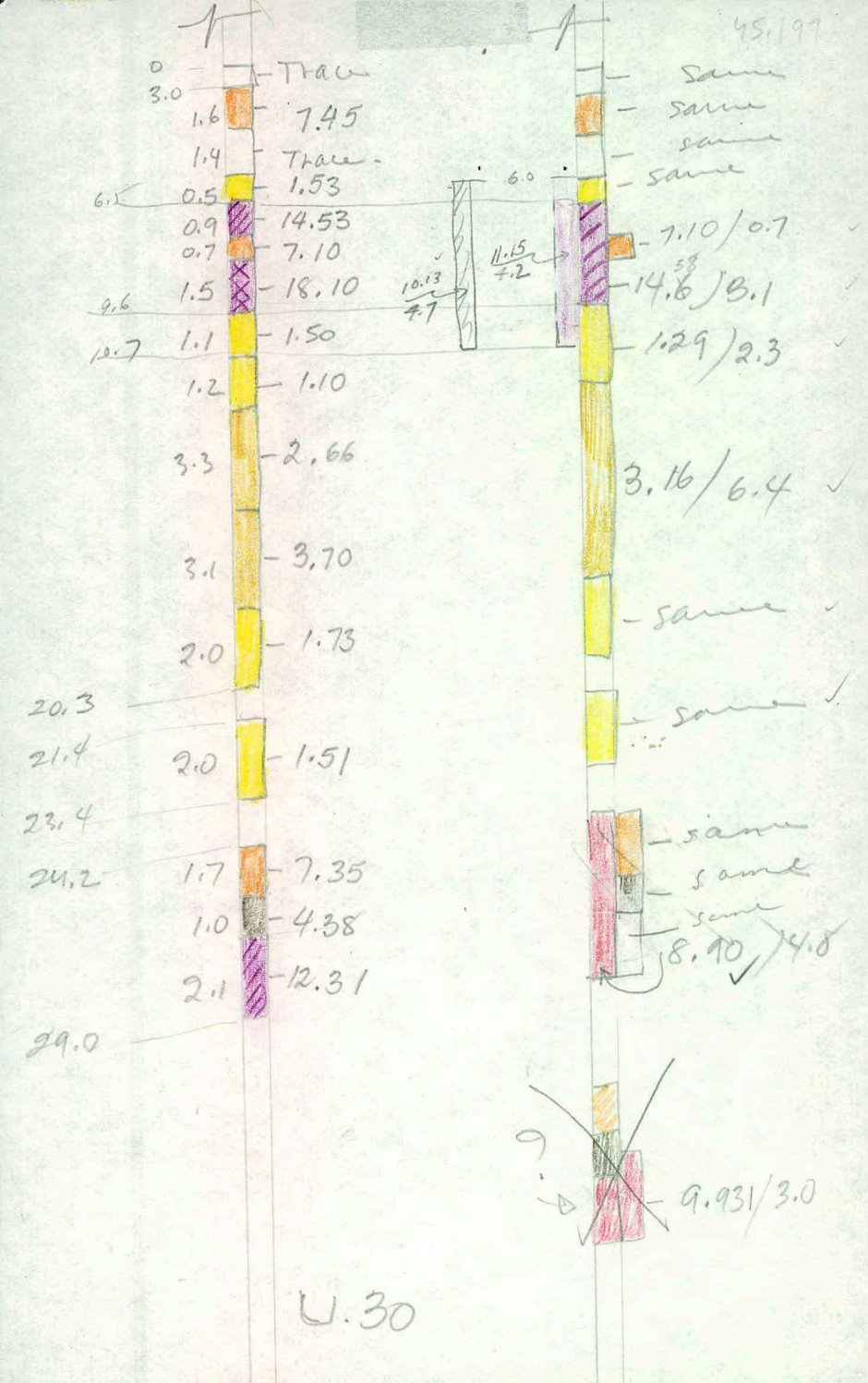
HOLE SURVEY:		
DEPTH	BEARING	DIP
Collar	51°50'34"	+43°22'
	M.D. = 26.61	
	V.D. = 25.13 (11 94.73)	

CLAIM No

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	3.4	Qtz-Ser Phy w/Sulphs. Bleached Buff.													
		35% qtz, 5 py, 0.4 Pb Zn. Fi mica.	0.4/1.5		0	1.5		0.4	pt Est						
		Firm rock.	1.0/1.5			3.0		"	"						
		NOTE: 10 cm porphyritic core @ 1.2"(?). Black and various shades of brown min. within qtz-carb matrix. Also 0.15" band of mass. sulph. @ 3.1" = 20 Pb Zn													
		C.A. 50° F2 @ 1.5"-2.6. 30° F2 @ 2.7-3.4". F1 @ 60-90° to F2 (0-30° to core).													
3.4	6.1	Qtz-Sulphs. Part Breccia.													
		Qtzy zone w/ sulph breccia, also mass. sulphs @	1.2	U1539	3.0	4.6	1.6	3.80	3.65	65.49					
		3.8-4.2". Seritic @ 5.8-6.0".		1540		6.0	1.4	.40	.03	15.09					
		3.4-3.8": 20 Py, 8 Pb Zn,													
		-4.2: 15 Py, 9 " "													
		-4.6: 25 Py, 3 " "													
		-6.0: 25 Py, 2 " "													
		C.A. F1 // core @ 3.5", 30° @ 5.3" (F1?)													
6.1	8.6	Qtz-Barite-Sulphs. Parts Brecciated													
		6.1-8.1": Alternating bands of barite rich and qtz-py	0.4	U1541	6.0	6.5	0.5	1.30	.23	35.31			0.65	0.115	17.655
		rich sections. The latter highly fractured. Barite rich contains 13 Pb Zn, the other 7 Pb Zn.	0.9	2		7.4	0.9	7.60	6.93	98.74			6.84	6.237	88.866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1.6
1.4
6.1
0.5
0.9
0.7
1.5
9.6
10.7
1.1
1.2
3.3
3.1
2.0
20.3
21.4
2.0
23.4
24.2
1.7
1.0
2.1
29.0
Trace
7.45
Trace
1.53
14.53
7.10
18.10
1.50
1.10
2.66
3.70
1.73
1.51
7.35
4.38
12.31
6.0
10.13
4.7
11.15
4.2
same
same
same
same
7.10/0.7
14.6/8.1
1.29/2.3
3.16/6.4
same
same
same
same
same
8.10/4.8
9.931/3.0
U.30

LOGGED BY H Glow D.D.H. Nº 76-030 PAGE 2 of 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		Details: 6.0 – 6.5m: 40 Py, 7 PbZn, minor Ba	0.5	U1543	7.4	8.1	0.7	4.65	2.45	73.71			3.255	1.715	51.597
		– 7.4: 35 Py, 13 " ", 20 Bar.													
		– 8.1: 25 Py, 7 " ", no Ba.													
		8.1 – 9.6m: Massive qtz-barite-sulphs. 25 py, 12 PbZn. 50° Contact @ 9.6m.	1.4	4		9.6	1.5 ✓	9.40	8.70	145.03			14.1	13.05	217.545
		C.A. 35° @ 6.5m, 10° @ 7.2, 0° @ 7.6 – 8m, 60° @ 8.1,		W2A	6.5	9.6	3.1	7.80	6.77	115.5			24.195	21.002	358.008 ✓
		50° @ 8.8 – 9.5m.		"	6.5	10.7	4.2	5.99	5.16	88.11			25.185	21.662	370.075
				"	6.0	10.7	4.7	5.5	4.63	82.50 ✓			25.84	21.78	387.74
9.6	36.0	QTZ-Ser Fwy w/ SULPHIDES. Bleached Buff.													
		60 – 95% qtz, increasingly siliceous w/ hole depth.													
		Abs. varying amounts of sulphs and sericite. F1 well developed in parts. ✓ Rock competent to 26m.													
		9.6 – 10.7m: 15 Py, 5 PbZn, minor ser.	0.5	U1545	9.6	10.7	1.1	.90	.60	10.97			0.99	0.66	12.067
		– 11.9: 3 Py, 1 PbZn,	0.7	6		11.9	1.2	.60	.50	7.20			0.72	0.60	8.64
		– 20.3: 20-10 Py, 3-4 PbZn, odd band disseminpo.													
		– 21.4: Wegli sulphs.	3.3	7		15.2	3.3	1.43	1.23	17.14			4.719	4.059	56.562
		– 23.4: 10 py, 1.5 PbZn, siliceous.													
		– 24.2: 0.3py, spots arseno, no PbZn.	3.1	8		18.3	3.1	2.05	1.65	24.34			6.355	5.115	74.454
		– 25.9: 35 Py, 6.5 PbZn, 1 Mag, spot Po, minor barite, sericite, siliceous, 1 cm qtz flow-breccia @ 24.8m.	2.0	9		20.3	2.0 ✓	.80	.93	9.94					
		– 26.9: 5 Py, 2 PZ. mass. talcy section. F1 limb?	0.9/1.1	—		21.4	—	NIL	Est						
		– 29.6: 50 py, 8 PZ, talcy bands, minor qtz breccia, also sulph breccia @ 27.1m. F1 limb?.	2.0	U1550		23.4	2.0	.83	.68	10.97					
		– 32.2: 0.3 Py, no PZ. Sericitic, talcy, loose.	0.8/0.8	—		24.2	—	NIL	PZ Est.						
		– 36.0: 1-5 Py, spot of PZ & Po. F1 mod. developed.	1.6	U1551		25.9	1.7	4.15	3.20	49.37	0		7.06	5.44	83.93
			0.9	2		26.9	1.0	2.50	1.88	36.34	0	.9×	2.25 / 2.50	1.692 / 1.88	32.706 / 36.34
		C.A. F2 45 to 30° from 9.6 – 11.1m, F2 30° to 12m. F1 ll core @ 12m. @ 12.7m F2 @ 35° of F1 sub-ll to F2. F2 @ 10° @ 30m, 30° @	1.6	3		29.0	2.1	6.92	5.39	77.83	0		14.532	11.319	163.443
		30.3 – 14.6m, 50° @ 15m & F1 @ 10° @ 14.6, 45° @ 15m. F2 40-20° @ 15.4m, 60° @ 15.7 (F1 40° to F2) & 50° @ 15.8 (F1 90° to F2).	1.6/3.0 / 3.8/4.0	— / —		32.0 / 36.0	— / —								
		F2 30-40° @ 15.9 – 19.6m (F1 0-20° to core). F2 35° @ 19.9 F2 nos. @ 21.7m. F2 50° @ 21.9 (F1 80° to F2). F1 undulating													

(cont'd @ end of page 3.)

LOGGED BY _____ D.D.H. Nº 76-030 PAGE 34/5

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
36.0	36.6	QTZ-SER-GRAPH PHY. Med. Grey.													
		50-60% qtz, 1-3% graph. Hard except where graphitic. F_1 well developed in last 3 cm.	0.6/0.6	—	36.0	36.6	—								
				W.A	9.6	11.9	2.3								
		C.A. F_2 50° @ 36.' (F1 ⊥ core), 35° @ 36.4' (F_1 15° to core).		W.A	11.9	18.3	6.4								
				W.A	26.0	29.0	3.0	5.59	4.34	65.4			16.782	13.011	196.149 ✓
				WT.AV.	6.5	10.7	4.2		11.15 PZ		col.				
		Contd from page 2, 26-36.0' section: — from 0°-30° to core from 22.4-24'. F_1(?) 30-35° @ 24.2-26', 10°-20° @ 26.1-29'. F_2 50° @ 29.1-30.4' (F_1 50° to F_2 to 60° to F_2). F_1(?) 15° @ 31.7-32'. F_2 50° @ 32.4 (F_1 80-90° to F_2). F_2 40° @ 33.9' (F_1 80° to F_2), 30° @ 35.8 (F_1 60° to F_2).		"	24.2	29.0	4.8	5.02	3.88	59.1			24.09	18.64	283.71
	36.6	END OF HOLE.													

Typed = CMP.

DIAMOND DRILL RECORD

LOGGED BY [illegible]

D.D.H. Nº 76-U31 PAGE 1 of 4

PROPERTY GRUM JOINT VENTURE

LATITUDE 10702.96 0+11 W

DEPARTURE 7535.11 74 W 3+5

ELEVATION 1166.86

STARTED Feb 19/76

COMPLETED Feb 20/76

PROPOSED DEPTH

ULTIMATE DEPTH 61.0 m.

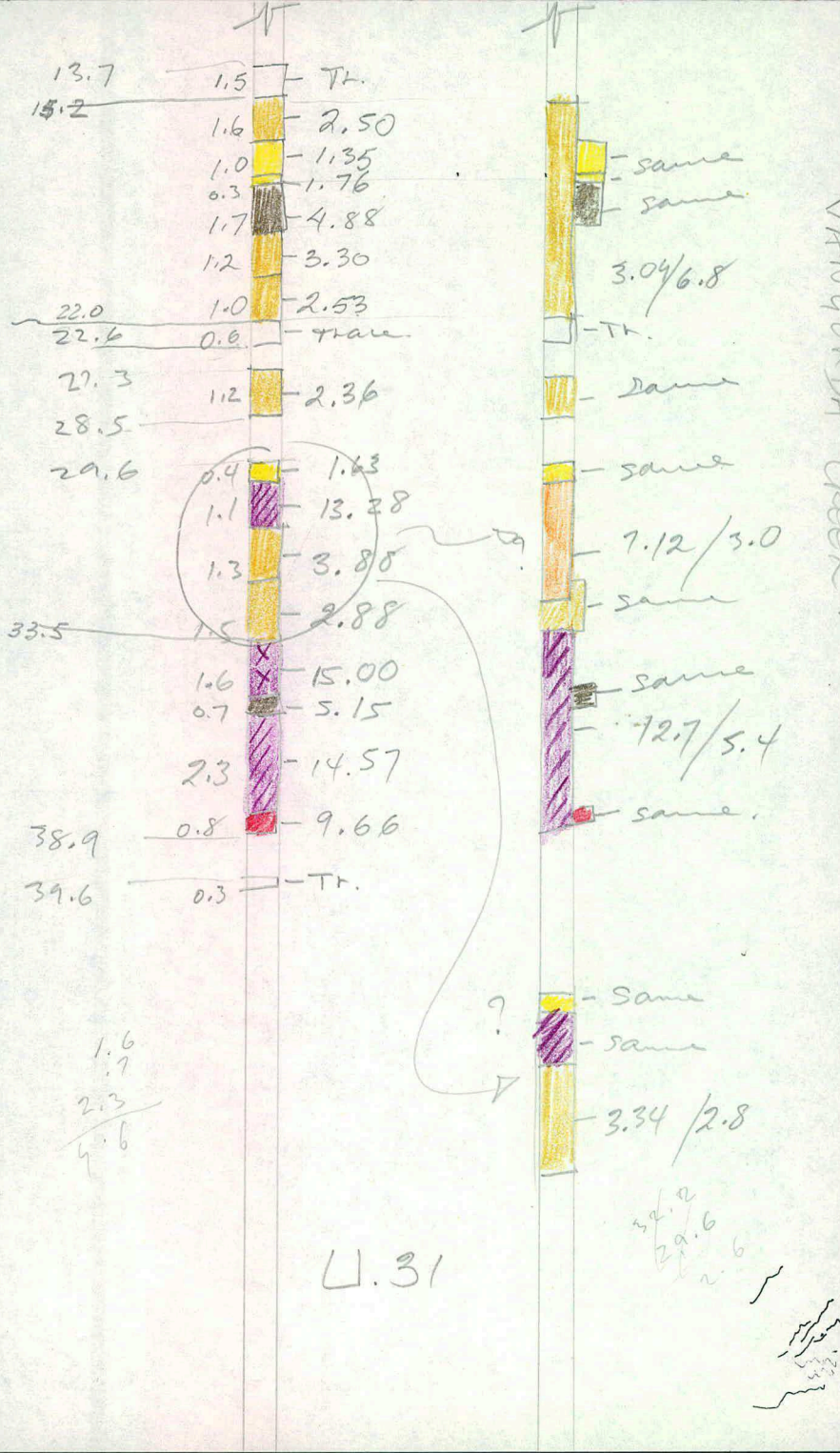
HOLE SURVEY:		
DEPTH	BEARING	DIP
Collar	92°35'49"	-15°45'
28'		-16 1/2°
100'	Spoiled	-18°
200'	Spoiled	-23°1/2°

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery Metres	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Metres Pb	Assay x Metres Zn	Assay x Metres Ag
0	6.3	Qtz - Ser Phy. Bleached Buff.													
		65% qtz-fels, 3 py, 0.2 Pz. Thin sericite foliations	0.3/1.5		0	1.5									
		in qtz-ser phyllite.	4.8/4.8			6.3									
		C.A. 30° @ 0-5m; 0° @ 5.1-5.5, 15° @ 5.7-7.6m.													
6.3	12.8	Qtz - Ser Phy. Light to Mod. Gray.													
		Similiar to 0-6.3' except color. Rock show	4.0/4.4		6.3	10.7									
		increase shearing stress w/ depth to fault @ 12.8m.	0.6/1.5			12.2									
		C.A. 20° @ 8.4m, 40° @ 9.2-12.8m.	0.45/0.6			12.8									
12.8	18.1	Fault Zone in Qtz-Ser-Sulph Phy. w/ Sulphs													
		Rock has been crushed & brecciated. Parts have	0.4/0.9	—	12.8	13.7	—								
		been re-cemented into firm rock, parts as soft gouge	0.45	V1554		15.2	1.5	.23	.18	2.06					
		12.8 - 15.2: Brecciated, firm & loose parts, mafi sulphs.	1.2	5		16.8	1.6	1.40	1.10	20.23			2.24	1.76	32.368
		- 16.8(?): Breccia + gouge, 15 Py, 2 Pb-Zn.													
		- 16.8: Mass. sulphs, fractured. 70 Py, 2 Pb-Zn.	0.4	6		17.8	1.0	.85	.50	13.03			.85	.50	13.03
		- 17.8: Breccia + gouge. 20 Py, 2 Pz.													
		- 18.1: " " " (20 Py, 1 Pz)?	0.22	7		18.1	0.3	1.03	.13	16.11			0.309	0.219	4.833


13.7
15.2
1.5 Tr.
1.6 2.50
1.0 1.35
0.3 1.76
1.7 4.88
1.2 3.30
1.0 2.53
22.0
22.6
0.6 trace
27.3
1.12 2.36
28.5
29.6
0.4 1.63
1.1 13.28
1.3 3.80
2.88
33.5
1.6 15.00
0.7 5.15
2.3 14.57
38.9
0.8 9.66
39.6
0.3 Tr.
same
same
3.04/6.8
Tr.
same
same
7.12/3.0
same
same
12.7/5.4
same.
?
same
same
3.34/2.8
1.6
1.7
2.3
4.6
U.31
VANGORDA CREEK

LOGGED BY PG D.D.H. Nº 76-U31 PAGE 2 of 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
18.1	19.4	QTZ - SULPHS													
		Massive, banded Qtz-Sulphs. 60 Py, 8 Pb Zn, 2 Mag.	1.6	U1558	18.1	19.8	1.7	2.83	2.05	35.31			4.811	3.485	60.027
		C.A. 35° @ 18.5, 20° @ 19.1 - 19.7m.													
19.4	29.2	QTZ - Ser Phy w/ Sulphs. Bleached.													
		40-70% qtz-fels, also varying sulph content. Competent rock.	1.2	U1559	19.8	21.0	1.2	2.20	1.10	31.20			2.64	1.32	37.44
			0.55	U1560		22.0	1.0	1.40	1.13	17.14			1.40	1.13	17.14
		C.A. 45° @ 19.8-21m - 22.6m, 20° @ 22.7-26.7m, 30° @ 26.8-28m, 40° @ 28.1-29.	0.45	U1561		22.6	0.6	.38	.35	4.11					
			14.7	—		27.3	—	No Pb Zn, Est.							
		19.4-21.0: 35 Py, 4.5 PZ, spot of Po + Mag.	1.1	U1562		28.5	1.2	1.43	.93	19.20					
		-22.0: 30 Py, 6 " "													
		-22.6: 3 Py, 1 " , sericitic.	0.7/0.7	—		29.2	—	No PZ, Est.							
		-24.4: No Sulph. , " .													
		-27.3: 1-3 Py, spot of PZ, Mag, Cu.		W.A	15.2	22.0	6.8	1.80	1.24	24.2			12.250	8.414	164.838
		-28.5: 45 Py, 4.5 PZ, 0.3 Mag, spt Cu.													
		-29.2: mass. Qtz-Ser, no sulphs.													
													2.5		
29.2	33.5	QTZ - SULPHS ± BARITE.													
		Massive, banded Qtz-Sulphs w/ Barite rich sections.	0.4	U1563	29.2	29.6	0.4	1.03	.60	27.43					
		29.2-29.6m: 30 Py, 2 Pb Zn.	1.1	4		30.7	1.1	8.11	5.17	103.89			8.921	5.687	114.279
		-30.7: 65 Py, 14 " ; intermittend rich PZ bands, a few streaks Mag.	1.3	5		32.0	1.3	2.25	1.63	27.43			2.925	2.119	35.659
		-32.0: 45 " , 5 " , 0.2 Mag. (P_2? fold noses). minor Ba.	1.4	6		33.5	1.5	2.05	.83	24.34	x.6		1.23	0.498	14.604
		-33.5: 30 " , 7 " ; 10% Ba. Sericitic + foliation contact @ 33.1-33.5m.		W.A	29.6	32.6	3.0	4.36	2.77	54.8			13.076	8.304	164.542
		CA. 35° @ 29.3m, 40° @ 29.7-32.2m, 30° @ 32.6, 0° @ 33.0, 20° @ 33.2m.													

LOGGED BY [illegible] D.D.H. Nº 76-031 PAGE 3 of 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
33.5	38.9	MASSIVE SULPHS.													
		Mass. sulphs w/ bands of rich PbZn, minor Mag + Barite.	1.3	U1567	33.5	35.1	1.6	11.12	3.88	132.00			17.792	6.208	211.2
			0.7	8		35.8	0.7	3.60	1.55	55.54			2.52	1.085	38.878
		33.5 – 35.1 : 65 Py, 13 PbZn, 0.1 Mag	2.1	9		38.1	2.3	10.12	4.35	121.03			23.276	10.005	278.369
		– 35.8 : 40 Py, 4 " , 1 cm ser. band.													
		– 38.1 : 70 Py, 16 " , minor Mag + Ba.	0.6	U1570		38.9	0.8	5.71	3.95	67.54			4.568	3.16	54.032
		– 38.9(?) : 50 Py, 12 " . M. Sulph + Qtz-Sulphs.													
				W.A	33.5	38.9	5.4	8.92	3.79	107.9			48.156	20.458	582.479
		C.A. 30° @ 33.6, 20° @ 33.8 – 34.7', 40° @ 35, 30° @ 35.2 to 36.7', 25-20° @ 36.9, 0° @ 38.2, 30° @ 38.8													
38.9	39.6	LOST CORE	0/0.7	–	38.9	39.6	–								
39.6	39.9	QTZ - SER PHY w/ SULPHS. Bleached Buff.													
		65% qtz, 15 Py, 0.5 PbZn. C.A. 30-40°	0.2	U1571	39.6	39.9	0.3	.68	.45	8.91					
39.9	40.5	QTZ - SER - GRAPH PHY. Dark Gray.													
		70% qtz-fels, 1-4 graph. Contorted.	0.5/0.6	–	39.9	40.5	–								
		C.A. F_2 50° @ 40 (F_1 80° to F_2). F_2 5° @ 40.1 (F_1 60-90° to F_2). F_1 40° @ 40.4'.													
40.5	44.6	QTZ - SER PHY. Altered, Part Bleached Buff.													
		55-60% qtz-fels. Light dirty gray + buff color.	4.0/4.1		40.5	44.6									
		many tension cracks. Buff section fr. 41.3 – 44.2'. Shear @ 43.3, brecciated @ 43.6 – 44.1'.													
		C.A. F_2 50-60° @ 40.8 – 42.1' (F_1 60° to F_2 @ 40.8), F_2 70° @													

LOGGED BY D. Klein D.D.H. No 76-031 PAGE 4 of 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		42.1 - 43.2', 50° @ 44-46.													
		CALC													
44.6	55.7	QTZ - SER - Phy. Med. Gray.													
		70% qtz-fels, 3 Calc, massive, often striped banded.	8.7/8.7		44.6	53.3									
		The latter show poorly developed F_1. Tension cracks common, generally ⊥ core. Mod. competent phy.	2.4/2.4			55.7									
		C.A. F_2 60° @ 46.1 - 53.5 (F_1 65° to F_2)(55° to core).													
		F_2 55° @ 54.6, 50° @ 55.2													
55.7	58.7	QTZ - SER - CHL - Calc Phy. Greenish Gray.													
		55-60% qtz-fels, 2-5 Chl, 3 Calc. Massive.	3/3.0		55.7	58.7									
		Less tension cracks than sect. above. Mod. competent.													
		C.A. F_2 50° @ 55.7 - 58.7' w/ a few undulations to 60°. F_1 sub-vert. to F_2.													
58.7	60.6	QTZ - SER ± GRAPH Phy. Dark Gray.													
		55% qtz-fels, 0-4 graph. A few tension cracks.	1.9/1.9		58.7	60.6									
		weakly competent.													
		C.A. F_2 50° @ 58.9 - 59.4', 35° @ 59.9, 50° @ 60.2													
60.6	61.0	QTZ - GRAPH PHY. Black.													
		65% qtz-fels, spots py. Firm rock.	0.35/0.4		60.6	61.0									
		C.A. 50-45° F_2.													
	61.0	END OF HOLE.													

Typed - MP.

DIAMOND DRILL RECORD

LOGGED BY R. Chow

D.D.H. Nº 76-V32 PAGE 1 of 7

PROPERTY Grum Joint Venture

LATITUDE 10703.10 | 0+20 "ft." of 9.7(m)

DEPARTURE 7532.66 | 14"-34

ELEVATION 1166.37

STARTED Feb 20/76

COMPLETED Feb 23/76

PROPOSED DEPTH

ULTIMATE DEPTH 121.9

HOLE SURVEY:

DEPTH	BEARING	DIP
Collar	222°33'27"	-72°51'
110	217°	-79°
220	224°	-82°
320	252°	-85°30'

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	1.8	QTZ - Sulphs ± Ser.													
		Massive qtz-sulphs ± Ser. Broken core recovery. F24 Al min 3"n. 45 Py, 12 Pb Zn. Spot Mag.	0.85	U1572	0	1.8	1.8	2.48	4.98	35.40					
		C.A. F_2 40° @ 0.6" (F_1 50° to F_2).													
1.8	3.0	QTZ - Ser Phy. Bleached Buff.													
		40% Qtz, sericitic, minor sulphs incl. Po.	0.25 / 1.2	-	1.8	3.0	-								
3.0	5.4	QTZ Ser Phy. Med. Grey.													
		65% qtz-fels. Fissile.	1 / 2.4	-	3.0	5.4	-								
		C.A. F_2(?) 50-60°													
5.4	12.3	QTZ - Ser Phy. Bleach Buff.													
		55-60% qtz-fels, 1-2 py, negli. Pb. Massive.	0.65 / 1.3		5.4	6.7									
		Mod. competent.	0.7 / 0.9			7.6									
		C.A. F_2 50° @ 5.4 - 9.0", 70° @ 9.3, 60° @ 10.1, 90° @ 10.7, 55° @ 11, 75° @ 11.1 - 12".	4.7 / 4.7			12.3									
		F_1 poor, occ. noted.													

LOGGED BY _____ D.D.H. Nº 76-V32 PAGE 2 of 7

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
12.3	16.5	QTZ - SER PHY. Altered, Dirty Gray.													
		60-65 % qtz-fels, a few spots py, pz, po.	4.2/4.2		12.3	16.5									
		C.A. F_2 60-75° undulating. F1 local sub-v to F_2.													
16.5	26.4	QTZ - SER ± GRAPH PHY. Light & Dark Gray.													
		60 % qtz-fels, 0-3 graph. Highly fissile.	1.1/1.8		16.5	18.3									
		Probabe shear @ 24.7-25'. Qtz band @ 25-26'.	0.7/1.5			19.8									
			0.5/1.5			21.3									
		C.A. F_2 65° @ 16.5-18', 85° @ 18.1-24.3, 60° @ 24.5, 30° @ 26.3.	0.05/1.6			22.9									
			0.75/2.1			25.0									
			0.65/1.4			26.4									
26.4	27.8	QTZ - GRAPH - SER PHY. DK. Gray to Black.													
		45 % qtz-fels. Highly fissile, shearing noted.	0.55/1.4		26.4	27.8									
		C.A. 30°													
27.8	30.5	QTZ - SER PHY w/ SULPHS. Bleached Ser.													
		From sericitic @ 27.8' to v. siliceous @	0.2/0.4	—	27.8	28.2	-								
		27.8-28.2' = Sericitic, negli sulphs.	1.05	U1573		29.3	1.1	.48	.33	8.23			0.81 Pb+Zn		
		-29.3: 15 Py, 1 Pz, sericitic.	1.2	4		30.5	1.2	2.43	1.90	41.49			4.33 Pb+Zn		
		-30.5: 50 Py, 8 Pz.													
		C.A. 30° @ 28.2. 50° @ 29.3, 60° @ 30.3													
30.5	41.1	QTZ - SER PHY. Med. Gray.													
		70 % qtz-fels, 1-3 mm striped banding, mod.	4.5/6.1		30.5	36.6									
		fissile. Shears @ 32.1', 34.1-34.9, 36.7. Local F_1.	0.8/1.5			38.1									
		34.3-35.3': Slightly calcitic.	0.15/1.5			39.6									

LOGGED BY D. Chow D.D.H. No 76-032 PAGE 3 of 7

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		C.A. F_2 55° @ 31.6 - 41'. F_1 gen. sub-vert. to F_2.	0.55/1.5		39.6	41.1									
41.1	43.3	QTZ - SER - CHL - CALC PHY. Pale Green Gray.													
		50% qtz-fels, 5-10 chl, 3 calc. Massive.	0.9/1.6		41.1	42.7									
		C.A. F_2 50° @ 41.2, 80° @ 42.2, 60-70° @ 42.6. F_1 90° to F_2.	0.6/0.6			43.3									
43.3	47.2	QTZ - SER - CALC PHY. Light Gray													
		60% qtz-fels, faint striped-banding (1-3mm). many tension cracks, qtz-calc filled.	3.8/3.9		43.3	47.2									
		45.3 — 45.6' = re-cemented phy. breccia													
		C.A. F_2 80°. Local F_1 in qtzose bands, sub-v F_2.													
47.2	48.3	QTZ - SER PHY. Light Gray.													
		Similar to 43.3 - 47.2' except no Calc. F_2 80°.	1.1/1.1		47.2	48.3									
48.3	53.4	QTZ - SER - GRAPH PHY. Dark Gray.													
		65% qtz-fels. Highly fractured - wide, qtz-filled. Non-competent.	0.45/2.0		48.3	50.3									
		C.A. F_2 50° @ 48.5', 65° @ 51, 55° @ 51.5 - 53'.	2.2/3.1			53.4									

LOGGED BY D. Glow D.D.H. Nº 76-032 PAGE 4 of 7

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
53.4	54.7	MASSIVE SULPHS													
		Massive, hard. 75 fy, 10 PZ	0.95	111575	53.4	54.7	1.3	5.12	8.92	98.14			14.04		
		C.A. 65° @ 53.7, 35° @ 54.6		WT.A.	53.4	56.4	3.0	2.22	3.87	42.8					
54.7	62.5	QTZ-SER-GRAPH PHY. [redacted] DK. Gray.													
		55% qtz-fels, 1-3 Graph. thinly foliated, massive phyllite.	7.8/7.8		54.7	62.5									
		Local F_1, 60°-90° to F_2.													
		C.A. F_2 60-75°													
62.5	67.1	QTZ-SER PHY. Light to Med. Gray.													
		60% qtz-fels, thinly laminated, massive phy.	4.5/4.6		62.5	67.1									
		C.A. F_1 local, 60-90° to F_2. F_2 60-75°													
67.1	68.7	FAULT ZONE (in above Phy)													
		Crushed phy. + gouge.	1.0/1.6		67.1	68.7									
68.7	71.9	QTZ-SER PHY. Light Gray.													
		70-75% qtz-fels, parts striped (1-4 mm banding)	3.0/3.2		68.7	71.9									
		Poor to well developed F_1. Shear @ 71.2-71.4" & 71.6-71.9".													
		C.A. F_2 80° @ 69-70", 65° @ 70.4, 75° @ 71													

LOGGED BY F. Chew D.D.H. Nº 76-032 PAGE 5 of 7

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		-Calc													
71.9	80.1	Qtz - Ser Phy. Light Gray, Striped.													
		65-70% gtz-fels. 1-4 mm striped banding w/ mod. developed F_1. Parts readily along foliation planes. Major slip @ 77m. A few tension cracks per meter, all gtz-calc filled.	1.3/1.3		71.9	73.2									
			6.9/6.9			80.1									
		C.A. F_2 75-85° @ 71.9 - 77m, 55° @ 77.2 - 80. F_1 sub-vert. to F_2.													
80.1	87.4	Qtz - Ser Phy. Light to Med. Gray.													
		50% gtz-fels. Tightly foliated and striped-banded mixed. Local F_1 poor.	7.1/7.3		80.1	87.4									
		80.1 - 81m : highly sheared.													
		-82.3 : " fractured, gtz-filled.													
		-87.4 : blocky													
		C.A. F_2 55° @ 80.3, 80° @ 81.2, 45° @ 81.6, 75° @ 82.1 (F_1 sub-v to F_2). 55° @ 83.5, 70° @ 84.7, 60° @ 85, 80-85° @ 85.3 - 86.6, 65-75° @ 86.7-87.4.													
87.4	90.3	Shear Zone & Fault in Qtz-Ser Phy.													
		87.4-87.8m : L. Gray Phy — sheared, minor brecciation.	1.0/1.0		87.4	88.4									
		-89.0 : Bleached buff — sheared w/ brecciation @ 88.8-89.	0.75/1.3			89.7									
		-89.8 : Gray Phy — Sheared & Fault @ 89.7.													
		-90.3 : Qtz-Ser-Sulph — sulph breccia.	0.35/0.4			90.1									
		C.A. F_2 50° @ 87.9, 45° @ 89.9													
90.3	92.0	Massive Sulphs													
		Mass. sulphs w/ rich & low grade Pb/Zn sections.	2.1	U1576	90.1	92.3	2.2	3.90	4.50	49.37			8.58	9.90	108.61 ✓
		Mostly banded, short breccia. Upper & lower contact @ 30 & 20°, sharp, appear to be slip contact but													

LOGGED BY J. Chen D.D.H. No 76-032 PAGE 6 of 7

Interval From	Interval To	DESCRIPTION	Recovery	Sample No.	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		probably F_1. Both walls show minor Pb Zn. Av. 75 Py, 14 Pž.													
		C.A. 75° @ 90.5, @ 91'.													
92.0	93.0	QTZ - SULPH - SER													
		70% qtz, 20 Py. 92 - 92.3': 5 Pž, 92.3 - 93 = 10 Pž.	0.6	U1577	92.3	93.0	0.7	.25	.23	9.94			0.18	0.16	6.96 ✓
				WT.AV.	89.9	93.6	3.1	2.83	3.25	37.3			8.76	10.06	115.57
		C.A. F_1(?) 55° @ 92.4, 70° @ 92.7.													
93.0	107.9	QTZ SER - GRAPH w/ Minor Sulphs.													
		55% qtz-fels, 1-3 graph; negli py fr. 93 - 100.6',	0.8/1.5 1.2/1.5		93.0	94.5 96.0									
		3 py fr 100.6 - 103.2', 15 py fr 103.2 - 105', negli py fr 105 - 107.9'. 2 Pb Zn fr. 103.2 - 104.2'.	0.7/1.5 0.07/1.6			97.5 99.1									
			0.17/1.5 2.4/2.6			100.6 103.2									
		Shearing @ 94.7 - 95.1', 96.3 - 97.2, 101.9 - 102.1, 105 - 105.8'.	0.9/1.0 1.6/2.5			104.2 106.7		2 Pb Zn, Est							
		Rock fissile, a few slips.	0.35/1.2			107.9									
		C.A. 55 - 70° (contorted) fr 93 - 94.5, 60° @ 94.7, 40° @ 95.1, 60° @ 95.9, F_2(?) nose @ 96.6 - 97.2, 75° @ 99.1, 70 - 75° @ 100.6 - 102, 65° @ 102.2 - 103.6, 40° @ 103.7, 0° @ 105.4 (sheared or F_1), 65° @ 106.3 - 107.													
107.9	113.0	QTZ - SULPHS ± SER ± GRAPH.													
		Mainly Qtz-Sulphs w/ minor Ser + Graph, plus bands of massive to peak mass. sulphs. Generally low to med. grade Pb Zn but mining. erratic. Av. 25 Py, 25(?) Pž.	0.3	U1578	107.9	109.7	1.8	1.90	1.90	25.37			3.42	3.42	45.666
			0.5	9		111.3	1.6	1.30	.88	17.14			2.08	1.408	27.424
		107.9 - 111.3': Recovery v. poor.	1.25	U1580		113.0	1.7	.50	.95	9.94					✓
		C.A. 60° ± 5°.		W.A	107.9	111.3	3.4	1.62	1.42	21.5	(3.04 Pb-Zn)		5.50	4.828	73.090 ✓

LOGGED BY D. Lee D.D.H. No 76-032 PAGE 7 of 7

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
113.0	118.3	QTZ-SER PHY. Light Gray.													
		55% qtz-fels. 1-5 mm. qtz vein banding w/ poor to well developed F_1. Rock mod. firm.	5.2/5.3		113.0	118.3									
		113 - 113.4 : Shear, rock crushed. Lower contact 55°.													
		118.2 - 118.8 : Shear, partly crushed rock.													
		C.A. F_2 70-60°. F_1 sub-∥. to F_2.													
118.3	121.2	QTZ-SER PHY. Spots Bleached Grayish-Buff.													
		65% qtz-fels. Upper contact 20°, lower contact 80°. Lower end qtz vein w/ graphitic partings.	1.1/1.9		118.3	121.2									
		C.A. F_2 20-0° @ 118.4 - 118.7, 60° @ 120.3.													
		F_1 ∥ core @ 121.													
121.2	121.9	QTZ - GRAPH PHY w/ SULPHS.													
		70-75% qtz-fels, 5-10 graph, 6 Py, Spots PZ. Massive, siliceous, many fractures.	0.6/0.7		121.2	121.9									
		C.A. F_2 75-60°, F_1 45 to 90° to F_2.													
	121.9	END OF HOLE.													
		REMARKS: Drilling difficult because the hole had to be reamed many times. gl.													

Typed - LHP.

DIAMOND DRILL RECORD

LOGGED BY F. Lee

D.D.H. Nº 76-V33 PAGE 1 of 2.

PROPERTY Grum Joint Venture

LATITUDE 10 700.57 0+85 N STARTED Feb 23/76

DEPARTURE 7530.24 74 W 3.3 COMPLETED Feb 24/76

ELEVATION 1169.11 PROPOSED DEPTH

ULTIMATE DEPTH 21.9 metres

HOLE SURVEY:		
DEPTH	BEARING	DIP
Collar	224° 00' 00"	+45°

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery Metres	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
0	2.8	Qtz - Ser Phy. Bleached Grayish Buff.														
		60-70% qtz-fels, a few bands py @ both ends,	0.4		0	1.5										
		no Pb Zn. A few streaks tschite.	1.0/1.3			2.8										
		C.A: 60° @ 1.3 - 2.6, 45-60° @ 2.8m.														
2.8	6.2	Qtz - Ser Phy w/ Sulphides. Bleached Buff Ser.														
		Similar Phy as above w/ bands minor + mass.	0.6	U1581	2.8	3.4	0.6	4.43	3.25	71.66	7.68		2.658	1.95	42.996	✓
		sulphs. 2.8 - 2.95m: Qtz-Sulph, 35 py, 5 Pz.	1.3	U1582		5.1	1.7	1.10	1.13	19.20	3.23		1.87	1.921	32.64	✓
		- 3.4 : Qtz-Sulph-Ba, 55 Py, 11 Pz, 4 Ba. 20° contact (fold?) @ 2.95.	0.9/1.1	—		6.2	—	—	—	—			0	0	0	
		- 4.9 : Qtz-Ser-Sulphs, 5 Py, 0.3 Pb Zn.														
		- 5.1 : Qtz-Sulphs, 40 py, 8 Pz, 2 Mag.														
		- 6.2 : Qtz-Ser, 10 Pz.														
		C.A: 50° @ 3.0 - 6.0'														
6.2	7.8	Massive Sulphs w/ Barite														
		mass. f.g. sulphs w/ rich bands of pyrite and/or	1.6	U1583	6.2	7.8	1.6	6.05	7.93	88.80	13.08		9.68	12.688	142.08	✓
		Pb Zn: 6.2 - 7.0m: 45 py, 20 po, ∨12(?) Pz, 7.0 - 7.8: 70 py, " 20 " .		WT Au.	2.8	7.8	5.0	2.84	3.31	43.54			14.208	16.559	217.716	
		C.A. 55° @ 6.3, fold nose @ 6.6, 60° @ 6.8, 70° @ 7m, 90° @ 7.3, 80° @ 7.7. 50° contact @ 7.8m.														

LOGGED BY D. L. Chow D.D.H. Nº 76-U33 PAGE 2 of 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
7.8	15.4	QTZ- SER PHY. Bleached Grayish-Buff.													
		70-80 % qtz-fels. Quartzy, siliceous & hard except band of Gray Phy @ 11.1 – 12.6 m. Fuschite @ 7.8 – 8.4 m.	7.6/7.6		7.8	15.4									
		Spot of PZ @ 8.5 & 9.9 m, 40py TPZ @ 10.45 – 10.6 m.													
		C.A. 0° @ 7.9 m, 35° @ 9.3, 80° @ 10, 70° @ 11.2, 60° @ 11.7 – 12.4, 80° @ 12.8 – 13.3, 60° @ 13.4 – 15.4 (F, sub-v fr, 11 core @ 13.4 – 13.6 1-5 cm.)													
15.4	21.9	QTZ- SER PHY. Med Grey.													
		65-60 % qtz-fels, decreasing towards 21.9 m. Mild alteration extends to 18 m, qtz bands to 16.8 m. Rock blocky.	5.5/6.5		15.4	21.9									
		C.A. 60-65° @ 16.2 – 18 m, 80° @ 18.1, 65° @ 18.8, 60° @ 20.7 – 21.9.													
	21.9	END OF HOLE.													

Typed = LHP.

DIAMOND DRILL RECORD

LOGGED BY Glenn Jetu — Feb 28/76

PROPERTY Crum Joint Venture (Underground)

D.D.H. No. 76-U34 PAGE 1

LATITUDE 10767.506 — 3N — BEARING OF HOLE 153°40'60" (32' 46") — STARTED Feb 24/76

DEPARTURE 7589.079 — 74W — DIP OF HOLE ~~-90~~ -86°18' — COMPLETED Feb 28/76

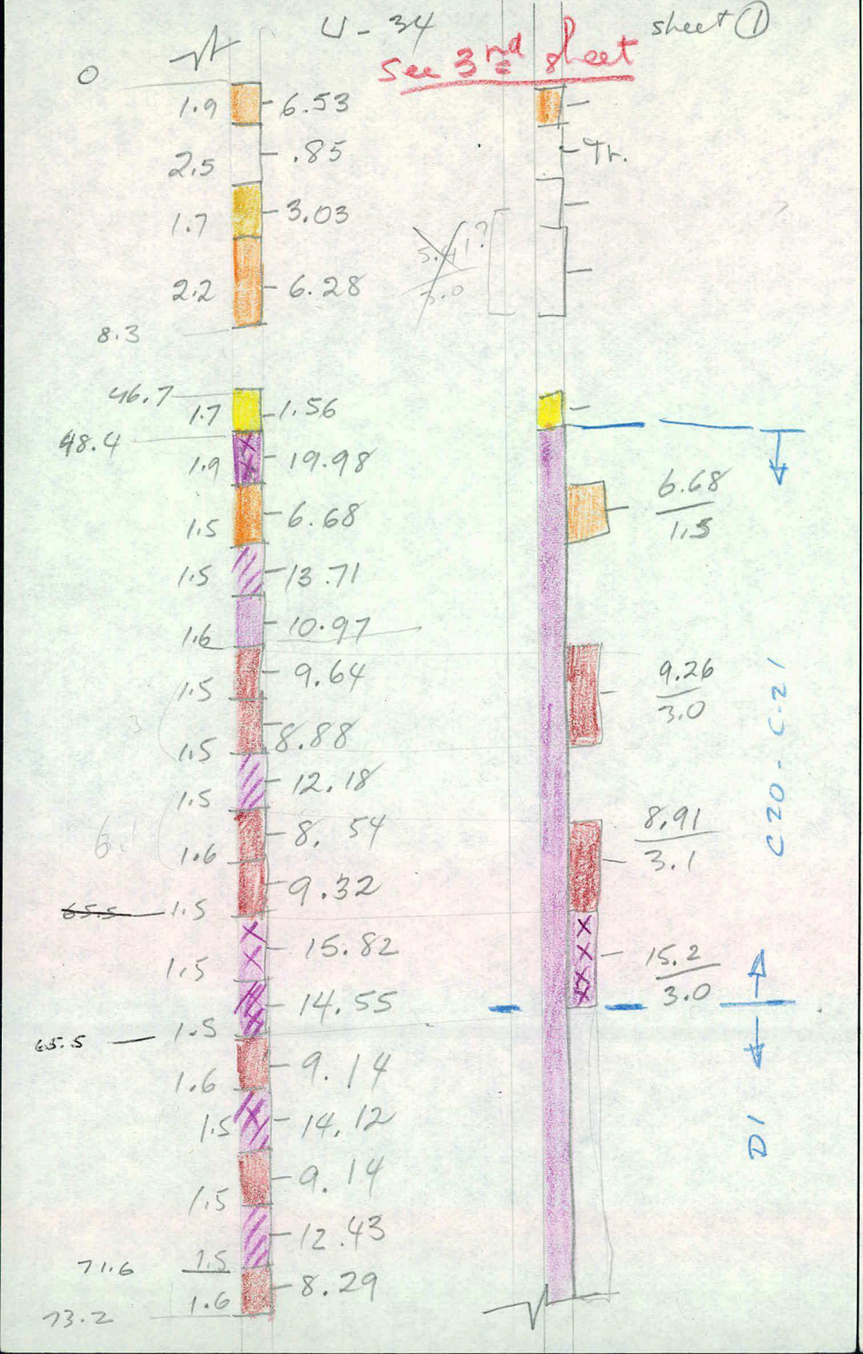
ELEVATION 1144.611 — DIP TESTS None — DEPTH Proposed: Ultimate: 126.5

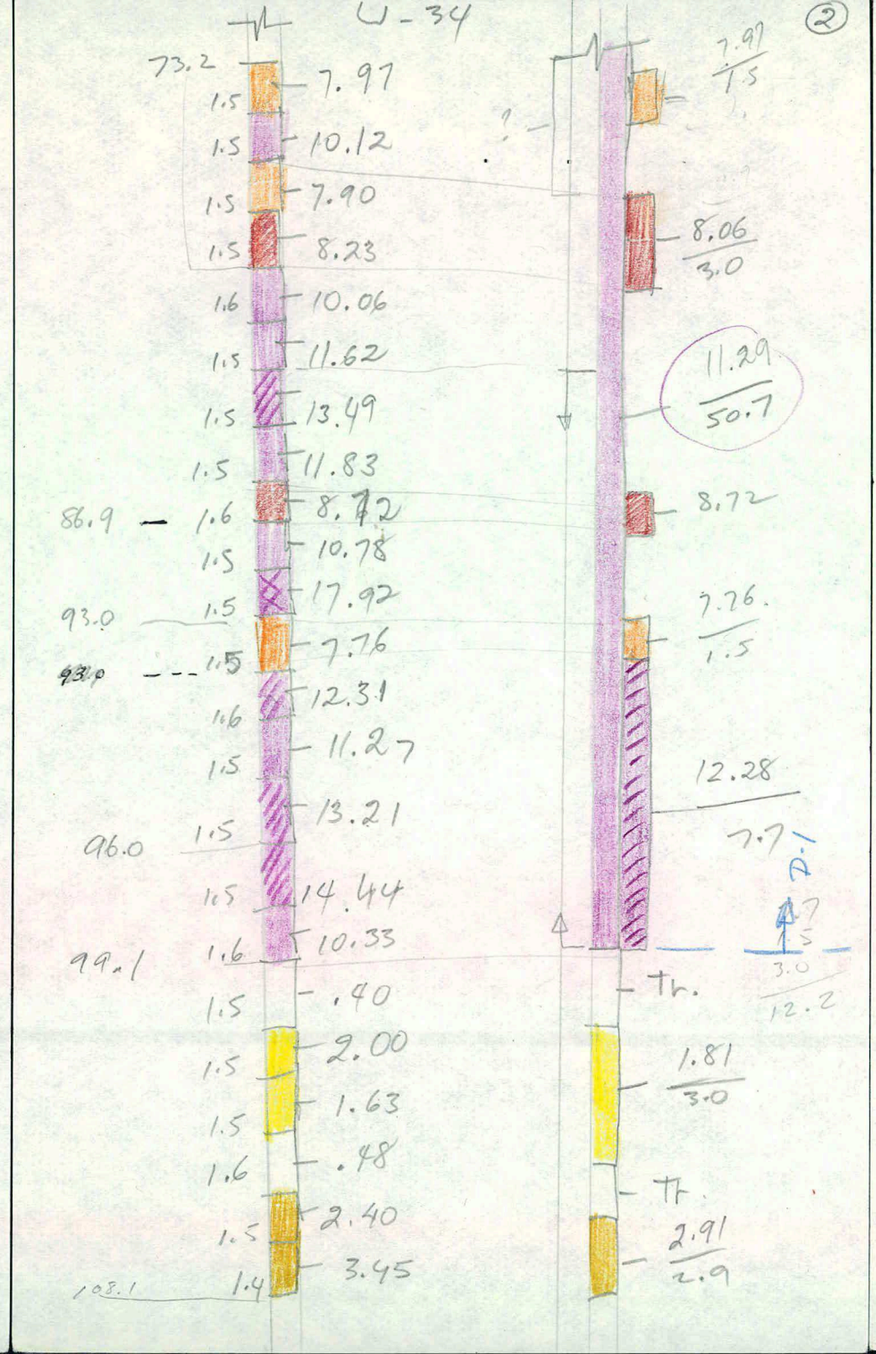
N.D. = 8.17
V.D. = 126.25 (1018.36 EL.)

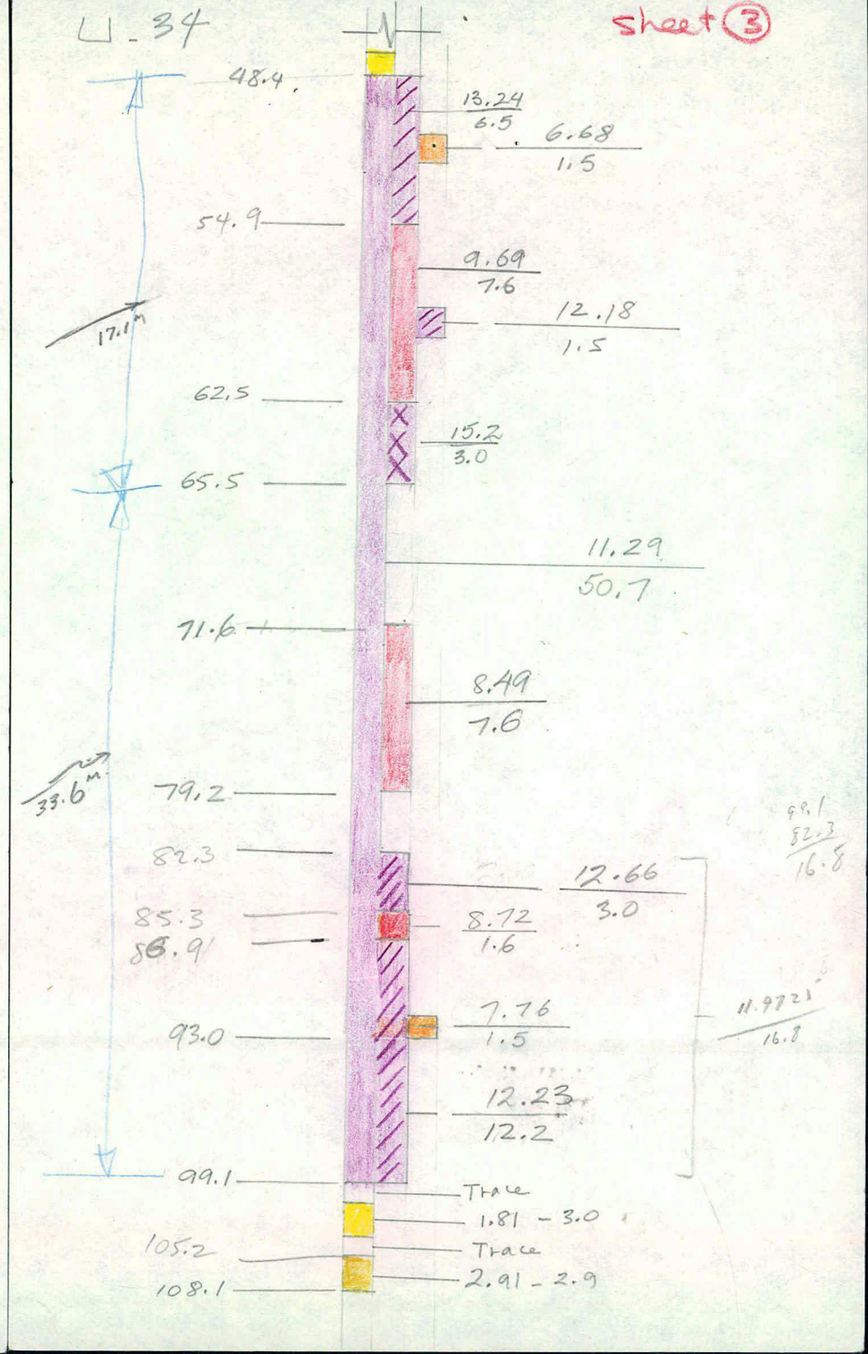
CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	8.3	Quartz Sericite Phyllite with Sulphides grey or light green, silicious; moderate to poor foliation F_2 = 80° locally not evident, F_2 @ av. 0.5 cm interval; F_1 av. 5° and offset along F_2; core generally competent parting along F_2 common, parting along F_1 rare; sulphides as fine bands av. 1mm wide follow F_1 structures, rarely parallel F_2; details													
		0 - 1.9 as above, pale green (bleach) Py 2, Pb Zn 5	1.0 / 1.9	1584	0	1.9	1.9	2.88	3.65	35.31					
		1.9 - 4.4 as above, grey, Py 2, Pb Zn as trace	2.0 / 2.5	1585	1.9	4.4	2.5	.72	.13	8.23					
		3.3 - 4.4 sericite rich													
		4.4 - 6.1 as above, grey, Py 3 Pb Zn 4	1.5 / 1.7	1586	4.4	6.1	1.7	1.53	1.50	15.09					
		5.6 - 5.7 fushite kaoline alt. zone													
		6.1 - 8.3 as above, pale green, Py 4 Pb Zn 5	2.2 / 2.2	1587	6.1	8.3	2.2	2.20	4.08	32.23					
		7.0 - 7.1 kaolin alt zone, 6.6 - 6.9 qtz													
		vein @ 10°													
8.3	10.7	Quartz Sericite Chlorite Phyllite	2.5 / 2.5												


U-34
sheet ①
See 3rd sheet
0
1.9 6.53
2.5 .85
1.7 3.03
2.2 6.28
8.3
46.7
1.7 1.56
48.4
1.9 19.98
1.5 6.68
1.5 13.71
1.6 10.97
1.5 9.64
1.5 8.88
1.5 12.18
1.6 8.54
1.5 9.32
1.5 15.82
1.5 14.55
65.5
1.6 9.14
1.5 14.12
1.5 9.14
1.5 12.43
71.6
1.5
1.6 8.29
73.2
Th.
6.68 / 1.5
9.26 / 3.0
8.91 / 3.1
15.2 / 3.0
C20 - C21
D1


U-34
②
73.2
1.5 7.97
1.5 10.12
1.5 7.90
1.5 8.23
1.6 10.06
1.5 11.62
1.5 13.49
1.5 11.83
88.9
1.6 8.72
1.5 10.78
1.5 17.92
93.0
1.5 7.76
93.0
1.5 12.31
1.6 11.27
1.5 13.21
96.0
1.5 14.44
1.6 10.33
99.1
1.5 .40
1.5 2.00
1.5 1.63
1.5 .48
1.6 2.40
1.5 3.45
1.4
108.1
7.97 / 1.5
8.06 / 3.0
11.29 / 50.7
8.72
7.76 / 1.5
12.28 / 7.7
D1
3.0 / 12.2
Th.
1.81 / 3.0
Th.
2.91 / 2.9


U-34
sheet ③
48.4
13.24 / 6.5
6.68 / 1.5
54.9
9.69 / 7.6
12.18 / 1.5
17.1m
62.5
15.2 / 3.0
65.5
11.29 / 50.7
71.6
8.49 / 7.6
33.6m
79.2
82.3
12.66 / 3.0
85.3
86.9
8.72 / 1.6
93.0
7.76 / 1.5
12.23 / 12.2
99.1
Trace
1.81 - 3.0
105.2
Trace
108.1
2.91 - 2.9
99.1 / 82.3 / 16.8
11.97 / 16.8

LOGGED BY G. Jetu D.D.H. Nº U-34 PAGE 2

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		dark to dull green, competent, well foliated @ 80°, traces of calcite associated with chlorite rich zones, sericite pale green; qtz veins @ 80° common av. 1cm wide with 2% sulphide, second contact qtz vein (5cm wide) @ 80°													
10.7	15.9	Quartz Sericite Phyllite													
		dark grey, well foliated @ 85°, competent minor fracturing @ 15°, 45°, 0° qtz veins common, parallel F_2, @ 4cm wide with 1% sulphide and yellow carbonate(?).	5.2 / 5.2												
15.9	20.3	Mixed Phyllites													
		well foliated @ 85°, competent, F_1 locally evident @ 80° ± 10° to F_2, minor fracturing @ 5°, 45° details													
		15.9-17.5 Chlorite-Sericite Phyllite dark green, trace of calcite	1.6 / 1.6												
		16.4-16.6 Quartz Sulphide with Sericite 10% sulphide													
		17.5-18.8 Bleached Sericite with Sulphides 5% sulphide mainly sph., tr. po	1.3 / 1.3												
		18.8-20.3 Sericite Phyllite, dark grey	1.4 / 1.5												

LOGGED BY S. Jetu D.D.H. No 4-34 PAGE 3

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		qtz vein 18.9 - 20.1, with 5% sericite and 1% sulphide; second contact marked by broken fractured core.													
20.3	28.3	Bleached Sericite Phyllite with Sulphides pale green, competent, well foliated @ 80°, F_1 @ 10° ± 10°, 5% sulphides mainly py ± sph ± po, as fine bands following F_1 details	7.7/8.0												
		23.4 - 24.5 as above dull green colour kaolin rich													
		24.5 25.6 Chlorite Phyllite, dark green 2% calcite													
		26.4 - 26.7 qtz vein @ 90°, tr. sulphide													
28.3	30.3	Quartz Sericite Phyllite dark grey well foliated @ 85°, competent F_1 locally @ 90° to F_2, 29.9 - 30.0 sheared phyllite	2.0/2.0												
30.3	38.6	Quartz Sericite Phyllite with Sulphides dark grey, well foliated @ 85°, F_1 locally evident @ 90° to F_2 and offset along F_2, 3% sulphide (± 2%) as fine bands following F_1, cpy rare as fract. fill	7.5/8.3												

LOGGED BY SJ D.D.H. Nº 4-34 PAGE 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		@ 15°, minor fracturing @ 0°, 45°													
		33.8 - 35.6 as above with bleached sericite, pale green	1.2/1.8												
38.6	39.6	Fault Gouge	0.3/1.0												
		dark grey, consists of small flakes of sericite and mud													
39.6	48.4	Sericite Graphite Phyllite with Sulphides													
		dark grey, mod. foliation @ 65° ± 10°, F_1 common @ 15° ± 10°, fracturing @ 5° with parting along F_2 common, sulphides as fine bands (av. 1mm) or disseminate in qtz rich bands (av. 0.3cm) ^ 15% mainly py, details													
		39.6 - 40.3 as above with bleached sericite pale green	0.5/0.7												
		40.3 - 43.5 as above generally fractured and broken	2.0/3.2												
		43.5 - 46.1 as above, bleached, kaolin rich F_2 not distinct, $F_1 \approx 10°$													
		46.1 - 46.7 Chlorite Phyllite, dark green 2% calcite, trace sulphides F_1 distinct @ 10°, competent.	0.6/0.6												
		46.7 - 48.4 Sericite Graphite Phyllite with Sulphide	1.1/1.7	1588	46.7	48.4	1.7	.63	.93	15.09					

99.936

LOGGED BY S.J. D.D.H. No U-34 PAGE 5

Interval From	Interval To	DESCRIPTION	Visual Estimate Py	Visual Estimate Pb2n	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		fractured and broken; brecciated in part, fragments av. 0.5cm poorly healed, Py 10 Pb2n 1%															
48.4	93.5	Massive Sulphide Zone with Barite generally competent, fracturing @															
		5°, 70°, also 40° and 60°; banding @	50	14	1.9/1.9	1589	48.4	50.3	1.9	7.51	12.47	140.23			14.269	23.693	266.437
		70° ± 5°, fold noses @ 54.5, 69.1,	35	10	1.1/1.5	1590	50.3	51.8	1.5	2.95	3.73	44.23			4.425	5.595	66.345
		and 91.9; sulphide textures -	60	20	1.2/1.5	91	51.8	53.3	1.5	5.63	8.08	120.00			8.445	12.12	180.00
		massive, faintly banded, disseminate	40	18	1.6/1.6	92	53.3	54.9	1.6	4.13	6.84	71.66			6.608	10.944	114.656
		in qtz-barite matrix; barite 10±5%	60	10	1.5/1.5	93	54.9	56.4	1.5	3.40	6.24	50.40			5.10	9.36	75.6
		common throughout; first and	25	6	1.5/1.5	94	56.4	57.9	1.5	2.65	6.23	42.51			3.975	9.345	63.765
		second contacts gradational;	25	6	1.5/1.5	1595	57.9	59.4	1.5	4.10	8.08	69.60			6.15	12.12	104.4
		kaoline fushite alt zones with	65	8	1.2/1.6	96	59.4	61.0	1.6	3.40	5.14	57.60			5.44	8.224	92.16
		F_2: 70° @ - 51.4-52.0, 56.0-56.5, 69.6	70	10	1.5/1.5	97	61.0	62.5	1.5	3.63	5.69	73.71			5.445	8.535	110.565
		70.3, 77.4-77.9, and 78.7-78.9;	50	12	1.5/1.5	98	62.5	64.0	1.5	6.22	9.60	114.17			9.33	14.4	171.255
		sulphide breccia, fragments av.	50	14	1.4/1.5	99	64.0	65.5	1.5	5.40	9.15	105.94			8.10	13.725	158.91
		0.2 cm, well healed by sulphide ± qtz	60	10	1.6/1.6	1600	65.5	67.1	1.6	2.73	6.41	38.40			4.368	10.256	61.44
		@ 57.4-58.8, 58.9-59.4, 59.7-60.9	50	12	1.5/1.5	1701	67.1	68.6	1.5	5.62	9.50	100.80			8.43	14.25	151.2
		and 86.4-86.8; cpy rare as	50	12	1.5/1.5	02	68.6	70.1	1.5	3.13	6.01	44.23			4.695	9.015	66.345
		fracture filling @ 5°	30	12	1.5/1.5	03	70.1	71.6	1.5	4.55	7.88	73.71			6.825	11.82	110.565
93.6	~~108.5~~ 108.1	Quartz Sulphides with Graphite	45	7	1.6/1.6	04	71.6	73.2	1.6	3.23	5.06	57.60			5.168	8.096	92.16
	~~TC~~	well foliated @ 80°, F, appears	40	8	1.5/1.5	1705	73.2	74.7	1.5	2.60	5.37	44.23			3.90	8.055	66.345

189.553

LOGGED BY SJ D.D.H. No LA-34 PAGE 6

Interval From	Interval To	DESCRIPTION	Visual Estimate Py	Visual Estimate Pb2n	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		subparallel F_2 (102.5 - 103.0 F_1 = 30°)	30	10	1.5/1.5	1706	74.7	76.2	1.5	3.45	6.67	60.34			5.175	10.005	90.51
		graphite - 15%, sulphides as (0.5cm)	40	8	1.5/1.5	07	76.2	77.7	1.5	3.00	4.90	41.49			4.5	7.35	62.235
		bands ∧ and disseminate in qtz	65	10	1.5/1.5	08	77.7	79.2	1.5	4.00	4.23	52.46			6.00	6.345	78.69
		rich bands; mainly competent	70	7	1.6/1.6	09	79.2	80.8	1.6	3.65	6.41	59.31			5.84	10.256	94.896
		minor fracturing @ 5°, 70°; minor	70	10	1.5/1.5	1710	80.8	82.3	1.5	4.27	7.35	62.40			6.405	11.025	93.6
		parting along F_2, 100.5 - 100.8	70	12	1.5/1.5	11	82.3	83.8	1.5	5.51	7.98	70.63			8.265	11.97	105.945
		fractured and broken, 103.0 - 103.3	60	10	1.5/1.5	12	83.8	85.3	1.5	4.58	7.25	71.66			6.87	10.875	107.49
		breccia zone fragments (of host	65	12	1.6/1.6	13	85.3	86.9	1.6	3.25	5.47	50.40			5.2	8.752	80.64
		rock) av. 1cm poorly healed by	70	10	1.5/1.5	14	86.9	88.4	1.5	4.50	6.28	57.60			6.75	9.42	86.4
		qtz; tension fractures @ 5°	70	14	1.5/1.5	1715	88.4	89.9	1.5	6.79	11.13	100.80			10.185	16.695	151.2
		with carb, qtz, ar cpy fill	70	10	1.5/1.5	16	89.9	91.4	1.5	3.98	3.78	60.34			5.97	5.67	90.51
		rare.	50	14	1.5/1.6	17	91.4	93.0	1.6	4.48	7.83	63.43			7.168	12.528	101.488
			40	12	1.4/1.5	18	93.0	94.5	1.5	4.46	6.81	63.43			6.69	10.215	95.145
			25	10	1.4/1.5	19	94.5	96.0	1.5	4.36	8.85	55.54			6.54	13.275	83.31
			30	12	1.4/1.5	1720	96.0	97.5	1.5	6.36	8.08	80.57			9.54	12.12	120.855
			30	12	1.5/1.6	21	97.5	99.1	1.6	4.31	6.02	55.54			6.896	9.632	88.864
			30	2	0.9/1.5	22	99.1	100.6	1.5	.05	.35	6.17					
			35	1	1.4/1.5	23	100.6	102.1	1.5	.25	1.75	17.14					
			30	1	1.5/1.5	24	102.1	103.6	1.5	.10	1.53	8.23					
			35	2	1.6/1.6	1525	103.6	105.2	1.6	.15	.33	8.91					
			30	6	1.5/1.5	26	105.2	106.7	1.5	1.30	1.10	25.37			1.95	1.65	38.055
		(last sample 1527)	30	4	1.4/1.4	1527	106.7	108.1	1.4	2.00	1.45	33.26			2.800	2.03	46.564

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
108.1	126.5	Quartz Sericite Phyllite	13.2 / 18.4	W.A	48.4	99.1	50.7	4.31	7.02	68.7			218.667	355.686	3483.926 ✓
		dark grey, well foliated @ 85°, fissile		W.A	48.4	54.9	6.5	5.19	8.05	96.5			33.747	52.352	627.438 ✓
		incompetent, talcy, minor fracturing		W.A	54.9	62.5	7.6	3.43	6.26	58.7			26.110	47.584	446.490 ✓
		@ 0°, 70° details		W.A.	62.5	65.5	3.0	5.81	9.37	110.1			17.43	28.125	330.165 ✓
		108.7 - 108.8 Massive Sulphide Py 40, Pb Zn 14		W.A	71.6	79.2	7.6	3.25	5.24	51.3			24.743	39.851	389.940 ✓
		114.3 - 115.8 Sericite Phyllite fractured	0.3 / 1.5	W.A	82.3	85.3	3.0	5.04	7.61	71.1			15.135	22.845	213.435 ✓
		and broken		W.A	89.9	99.1	12.2	4.89	7.54	67.0			59.739	89.555	817.772 ✓
		117.3 - 117.7 Massive Sulphide Po 40, Py 20		W.A	105.2	108.1	2.9	1.64	1.27	29.2			4.75	3.68	84.619 ✓
		Pb Zn 10		"	48.4	65.5	17.1	4.52	7.49	82.11			77.287	128.061	1404.09
		117.7 - 118.6 Sericite Phyllite strongly		"	65.5	99.1	33.6	4.21	6.77	61.9			141.380	227.625	2079.84
		sheared													
		126.3 - 126.5 Sheared pulverized sericite													
		phyllite, sandy													
	126.5	End of Hole													
		Stopped due to danger of													
		sticking rods, last 4.5 metre													
		of core in box (after 126.5) is													
		cave drilled in order to remove													
		rods													

typed - HP.

DIAMOND DRILL RECORD

LOGGED BY Glenn Jetu ~~Jetu~~ March 2/76

PROPERTY Grum Joint Venture (Underground)

D.D.H. No. 76-U35 PAGE 1/12

LATITUDE 10768.045 | 3N BEARING OF HOLE ~~S 57° 32' 46"~~ S 57° 10' 41" (Collar 200' 048, 300' 060) STARTED

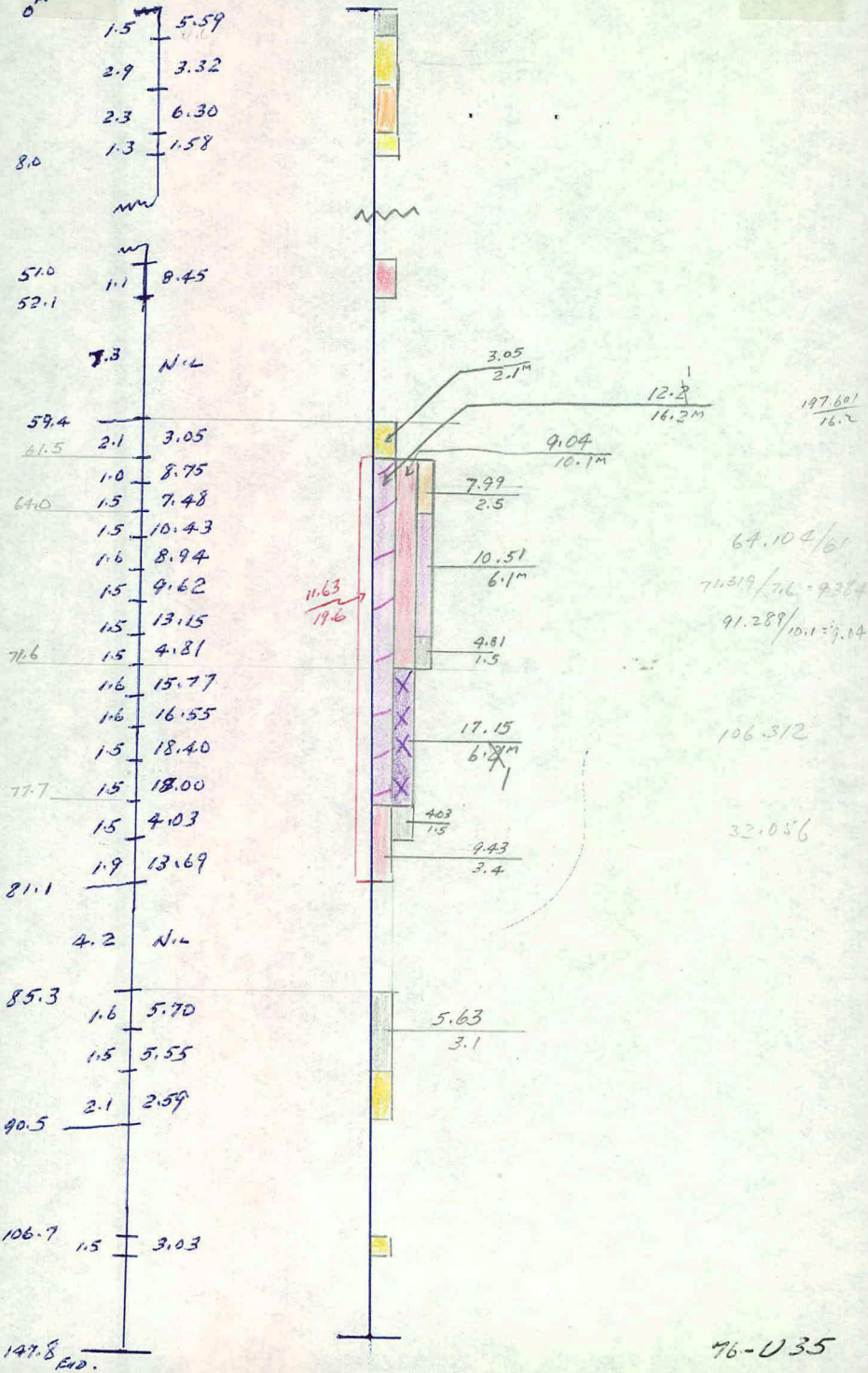
DEPARTURE 7589.407 | 74W DIP OF HOLE -63°23' COMPLETED

ELEVATION 1144.64 DIP TESTS -76° -78° DEPTH Proposed: Ultimate: 147.8m.

CLAIM No.

N ← DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	8.0	Quartz Sulphides with Sericite Pale green (from sericite), silicious, competent fracturing @ 40° and 60°, 5°; F_2 structure poorly developed ^ @ 70° av. 0.5cm interval, locally absent; F_1 @ 10° ± 5°; sulphides as fine bands av. 1mm wide mainly follow F_1 structure., details:													
		0-1.5 as above, traces of graphite Py 8 Pb2n8(?)	0.7 / 1.5	1728	0	1.5	1.5	1.89	3.70	30.17					
		1.5-4.4 as above Py 10 Pb2n6	2.7 / 2.9	1729	1.5	4.4	2.9	1.04	2.28	16.11					
		4.0-4.4 kaolin fushite alt. zone		↓											
		4.4-6.7 as above Py 8 Pb2n10	2.3 / 2.3	1730	4.4	6.7	2.3	2.10	4.20	34.29					
		6.7-8.0 as above, F_2 distinct @ 65°, Py 15 Pb2n3	1.3 / 1.3	1731	6.7	8.0	1.3	.58	1.00	10.97					
		second contact gradational													
8.0	11.0	Sericite Chlorite Phyllite dark green, well foliated @ 65° ± 10°; F_1 locally evident @ 50° to F_2 and c.a. 30°, competent minor parting along F_2, qtz. veins @ 70° @	3.0 / 3.0												


0
1.5
5.59
2.9
3.32
2.3
6.30
1.3
1.58
8.0
51.0
1.1
8.45
52.1
7.3
N.L
59.4
2.1
3.05
61.5
1.0
8.75
64.0
1.5
7.48
1.5
10.43
1.6
8.94
1.5
9.62
1.5
13.15
71.6
1.5
4.81
1.6
15.77
1.6
16.55
1.5
18.40
77.7
1.5
18.00
1.5
4.03
1.9
13.69
81.1
4.2
N.L
85.3
1.6
5.70
1.5
5.55
2.1
2.59
90.5
106.7
1.5
3.03
147.8
END.
3.05
2.1M
12.2
16.2M
9.04
10.1M
7.99
2.5
10.51
6.1M
11.63
19.6
4.81
1.5
17.15
6.1M
4.03
1.5
9.43
3.4
5.63
3.1
197.601
16.2
64.104/61
71.319/7.6 = 9.384
91.289/10.1 = 9.04
106.312
32.056
76-U35

LOGGED BY SJ. D.D.H. No U-35 PAGE 2/12

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		7.5 - 7.6 and 10.1 - 10.2, second contact qtz vein @ 60° 10.8 - 11.0, trace sulphides present, po, py, sph gal.													
11.0	12.9	Bleached Sericite Phyllite	1.9 / 1.9												
		pale green, well foliated @ 60°, traces of chlorite, qtz veins common av. 1cm wide @ 60°, competent, minor fracturing @ 60°, and 40°; qtz-carb veins @ 30°, with py, rare; second contact qtz vein 12.7 - 12.9 @ 70°													
12.9	46.6	Quartz Sericite Phyllite													
		dark grey, well foliated @ 70°, competent, minor fracturing @ 50°, 10° parting along F_2 common av. 5cm interval, F_1 generally not distinct locally evident @ 90° to F_2 and c.a. 20°; details:													
		12.9 - 16.6 as above minor chlorite present													
		16.6 - 17.0 Biotite - Chlorite Phyllite well foliated @ 60°, dark brown-green ~~etc~~ colour.													
		17.0 - 17.9 Quartz Sericite Phyllite	0.9 / 0.9												
		17.9 - 18.7 Bleached Sericite Phyllite	0.8 / 0.8												

LOGGED BY SS D.D.H. Nº U-35 PAGE 3/12

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		pale green, 2% sulphides (py)													
		18.7-23.9 Qtz. Sericite Phyllite	5.2 / 5.2												
		23.9 - 24.4 Bleached Sericite Phyllite	0.5 / 0.5												
		pale green, qtz vein 24.1-24.3 @ 70°													
		24.4 - 26.7 Qtz Sericite Phyllite	2.2 / 2.3												
		26.7 - 26.9 Qtz vein @ 70°, milky white	0.2 / 0.2												
		26.9 - 30.7 Qtz Sericite Phyllite, competent	3.8 / 3.8												
		30.7 - 30.9 Qtz - Muscovite - Sericite Phyllite	0.2 / 0.2												
		pale white to buff, well foliated @ 70°, competent													
		30.9 - 31.8 Qtz - Sericite Phyllite competent	0.6 / 0.7												
		31.8 - 32.3 Qtz - Muscovite Phyllite	0.5 / 0.5												
		buff to pale green, well foliated @ 75°, competent													
		32.3 - 32.5 Bleached Sericite Phyllite	0.2 / 0.2												
		pale green, 1% sulphide, F_2 = 70°													
		F_1 @ 90° to F_2													
		32.5 - 35.4 Qtz Sericite Phyllite, F_2 = 70°	2.9 / 2.9												
		F_1 @ 90° to F_2, qtz veins @													
		5 cm wide @ 70° - 32.9, 33.3, 33.7													
		34.2, 34.8, 35.1; 35.3 - 35.4													
		brecciated qtz vein, fragments													

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		av. 0.5cm well healed by qtz and carb.													
		35.4 - 38.0 Sheared Sericite Phyllite fissile incompetent, talcy in part fault gouge 36.7-37.2 consists of mud and fine flakes of sericite and in part pulverized sericite phyllite qtz vein - 37.4-37.6 @ 70° competent.	2.4 / 2.6												
		38.0 - 46.6 Qtz Sericite Phyllite Competent, F_2 = 70°, F_1 locally evident @ 10° and offset by F_2 qtz vein @ 70° av. 5cm wide @ 44.0 and 45.1	7.4 / 8.6												
46.6	48.8	Quartz Vein milk white, 2% sulphides as disseminate py · sph - gal., fractures @ 70°, 30°, broken into segments av. 4cm long.	2.0 / 2.2												
48.8	51.0	Sericite Graphite Phyllite dark grey black, well foliated @ 80°, F_1	1.5 / 2.2	(miss latch)											

LOGGED BY BJ D.D.H. Nº U-35 PAGE 5/12

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		locally evident @ 90° to F_2, 5-10% graphite, 2% sulphides py, sph, gal as fine bands av. 0.5mm following both F_1 and F_2., parting along F_2 common, competent.													
51.0	55.7	Sericite Graphite Phyllite with Sulphides dark grey black, well foliated @ 80°, F_1 generally not distinct locally @ 90° to F_2; competent minor fracturing @ 10°, ~~details~~ sulphides as fine bands av. 1mm wide or more commonly as disseminate in qtz bands av. 2mm wide, approx. 10% sulphide py ~~sh~~ sph, gal. detail	4.5/4.7												
		51.0 - 52.1 as above, py 4, Pb Zn 6	1.1/1.1	1732	51.0	52.1	1.1	258	5.87	41.49						✓
55.7	58.3	Kaolin Fuchsite Alteration Zone bright green in part, mod. foliation @ 70°, F_1 locally evident @ 10°, generally competent minor fracturing @ 45°, qtz vein 56.9-57.0, trace sulphide (py)	2.5/2.6												
58.3	61.5	Sericite Graphite Phyllite with Sulphide dark grey, well foliated @ 80°, F_1 @ 90° to	1.4/3.2												

LOGGED BY SJ. D.D.H. No U-35 PAGE 6/12

Interval From	Interval To	DESCRIPTION	Py	Pb/Zn	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		F_2, incompetent, broken and fractured into fragments av. 2cm, sulphide as disseminate in qtz bands av. 3mm wide, 15% sulphide, details															
		59.4-61.5 as above py 15, Pb2n1	15	1	0.6/2.0	1733	59.4	61.5	2.1	1.05	2.00	25.37					
61.5	79.8	Massive Sulphide Zone	60	6	1.0/1.0	1734	61.5	62.5	1.0	3.75	5.00	66.51			3.75	5.00	66.51
		sulphides as fine grained diss.	60	6	1.4/1.5	1735	62.5	64.0	1.5	2.93	4.55	54.51			4.395	6.825	81.765
		(av. 0.1mm) in matrix of barite and	60	10	1.5/1.5	1736	64.0	65.5	1.5	3.95	6.48	68.57			5.925	9.72	102.855
		qtz, approx 20% I 50% matrix,	70	6	1.6/1.6	1737	65.5	67.1	1.6	3.45	5.49	55.54			5.52	8.784	88.864
		competent minor fracturing @ 80°, 15°,	60	10	1.5/1.5	1738	67.1	68.6	1.5	4.03	5.59	53.49			6.045	8.385	80.235
		40°, banding locally evident	50	14	1.5/1.5	1739	68.6	70.1	1.5	5.80	7.35	121.83			8.70	11.025	182.745
		av. 50° but erratic 80°—30°	60	10	1.5/1.5	1740	70.1	71.6	1.5	2.83	1.98	41.49			4.245	2.97	62.235
		no distinct fold noses, kaolin fushite	40	16	1.6/1.6	1741	71.6	73.2	1.6	6.30	9.47	81.60			10.08	15.152	130.56
		alt zones @ 65.0-65.1, 68.6-68.7	40	15	1.5/1.5	1742	73.2	74.7	1.5	6.60	9.85	100.80			9.90	14.925	151.2
		and 70.6-70.7, porous granular sulphide	60	+20	1.5/1.5	1743	74.7	76.2	1.5	6.50	11.90	110.06			9.75	17.85	165.09
		@ 65.5-65.7, 68.7-69.6, 71.8-72.3, 74.3-74.6	80	4	1.5/1.5	1744	76.2	77.7	1.5	6.36	11.64	125.14			9.54	17.46	187.71
		Sericite phyllite 63.0-63.2	45	12	1.8/1.9	1745	77.7	79.2	1.5	1.90	2.33	29.14			2.55	3.495	43.71
		75.6-76.2 Qtz Sulfide with graphite				1746	79.2	81.1	1.9	4.25	9.44	72.69			8.075	17.936	138.111
		mod. foliation @ 70°, 30% sulphide				W.A.	61.5	77.7	16.2	4.81	7.29	78.4		0	77.850	118.096	1269.769
		15% graphite				"	61.5	81.1	19.6	4.51	7.12	74.1			88.48	139.53	1451.59
		76.2-79.8 Massive sulphide, granular				W.A.	61.5	71.6	10.1	3.82	5.22	62.9			38.580	52.709	635.209
		to massive (py rich) competent, faint				W.A.	61.5	64.0	2.5	3.26	4.73	73.8			8.145	11.825	184.620
						W.A.	64.0	70.1	6.1	4.29	6.22	69.6			26.190	37.914	424.699
						W.A	71.6	77.7	6.1	6.44	10.71	104.0			39.27	65.387	63.456
						W.A	77.7	81.1	3.4	3.13	6.30	53.48		0	10.625	21.431	181.821

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		banding @ 50°, competent, fracturing @ 45°, 30°, qtz carb vein 77.7-77.9													
79.8	81.1	Quartz Sulphide with Graphite dark grey, mod foliation F_2 = 80°, no distinct F_1, competent, 30% sulphide as disseminate in qtz bands and as stringers													
81.1	83.6	Quartz Sericite Phyllite dark grey, well foliated, F_2 = 70°, generally competent, qtz veins common @ 70° av. 2cm wide	1.1 / 2.5												
		81.1 - 81.7 as above fractured and broken													
83.6	85.3	Bleached Sericite Phyllite pale green, competent, silicified, well foliated F_2 = 70°; 84.0 - 84.2 kaoline-fuschite alt. zone.; tr. sulphide - py	1.0 / 1.7												
85.3	90.5	Quartz Sulphide with Graphite and Sericite dark grey, mod foliation @ 80°, F_1 locally evident @ 30°, competent minor fracturing @ 30°, 50°, 15° details													
		85.3 - 86.9 as above py 15, Pb 2 n 5	1.5 / 1.6	1747	85.3	86.9	1.6	2.60 ~~2.80~~	3.10	30.17			4.16	4.96	48.272
		86.9 - 88.4 " " py 15, Pb 2 n 4	1.5 / 1.5	1748	86.9	88.4	1.5	2.80	2.75	33.26			4.20	4.125	49.89
		88.4 - 90.5 " " , bleach sericite, Py 10 Pb 2 n 3	2.1 / 2.1	1749	88.4	90.5	2.1	.94	1.65	14.06					
				W.A.	85.3	88.4	3.1	2.69	2.94	31.7			8.36	9.085	98.162

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
90.5	92.5	Quartz Chlorite Phyllite dark green, well foliated @ 80°, competent 15% chlorite, tr. calcite, first contact @ 70°.	2.0 / 2.0												
92.5	110.8	Quartz Sulphide with Graphite ± Sericite dark grey, mod. foliated @ 75°, generally competent fracturing @ 15°, 30°, common parting along F_2 segements av. 10cm long., F_1 locally evident @ 90° to F_2; 20% sulphides (±5%) as diss. in qtz bands and follow F_2 structure details	18.0 / 18.3												
		92.5-94.5 as above with bleach sericite and silicious Py 8, PbZn 3													
		94.5-98.3 as above py 18 PbZn 2, breccia 97.0-97.2 fragments range 0.1mm-10mm well healed by qtz.													
		98.3-98.6 Sheared Quartz Sulphide													
		98.6-100.6 Quartz Sulphide with bleached sericite, pale green, Py 10, PbZn 0.5													
		100.6-106.7 Quartz Sulphide with Graphite competent Py 20 PbZn 1													

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		locally, rare, tension fract. @ 5° with cpy fill.													
		106.7 - 108.2 as above py 15 Pb2n 6	1.5/1.5	1750	106.7	108.2	1.5	1.10	1.93	15.09					
		108.2 - 110.8 as above py 8 Pb2n tr.	2.6/2.6												
		second contact qtz-carb vein 10cm wide @ 80°													
110.8	115.0	Fault Zone	2.0/4.2												
		dark grey sericite phyllite $F_2 = 70°$													
		110.8 - 111.2 - fault gouge fragments av. 1mm, mainly sericite flakes and mud													
		111.2 - 112.0 - sheared sericite phyllite, also broken and fractured, qtz vein 111.2 - 111.4 and 111.8 - 112.0													
		112.0 112.4 Fault gouge, mainly mud sericite rich, grains (fragments) to 1cm diametre of sericite phyllite and qtz.													
		112.4 - 115.0 Sheared → fissile sericite phyllite, mainly as small poker chips av. 2cm diametre													
115.0	129.4	Quartz Sericite Phyllite	14.0/14.4												

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		dark grey, well foliated @ 80°, competent minor fracturing @ 5°, parting along F_2 common segments av. 8cm long, F_1 evident locally as fold noses offset along F_2; locally talcy on F_2 faces 121.0 - 121.4 bleached sericite phyllite pale green, friable, incompetent 2% sulphides as fine bands av. 2mm wide - py t sph.													
129.4	134.3	Sericite Graphite Phyllite dark grey - black, well foliated F_2 = 80°; F_1 rarely evident, @ 90° to F_2; generally competent, minor fracturing @ 70°, 15° parting along F_2 very common segments av. 4cm long, 20% graphite, trace sulphides as disseminate in qtz rich bands, details (first and second gradational contact) 130.1 - 130.9 Bleached sericite phyllite pale green, competent	4.9/4.9												
134.3	138.5	Graphite Sericite Phyllite dark grey - black, well foliated F_2 = 80°, fissile → sheared incompetent, generally	3.4/4.2												

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		fractured and broken, +40% graphite traces of sulphide as disseminate in qtz rich bands - py ± sph. 135.0 - 135.4 as above competent													
138.5	140.3	Quartz Sericite Phyllite light grey - ~~green~~, well foliated F_2 = 80° competent, first contact @ 80°, second contact marked by 10cm of fractured and broken phyllite	1.8 / 1.8												
140.3	143.6	Graphite Sericite Phyllite dark grey-black, well foliated F_2 = 80°, +50% graphite, fissile ⇒ sheared incompetent, minor fracturing @ 30°, second contact gradational, qtz vein 143.3 - 143.6 qtz vein with fracturing @ 15°, 50°	2.1 / 3.3												
143.6	145.1	Quartz Sericite Phyllite dark grey, well foliated F_2 = 75°, F_1 locally evident @ 30°; incompetent fractured and broken, fractures @ 5°, 30°, common parting along F_2, locally taley on F_2 faces	1.3 / 1.5												

LOGGED BY SJ D.D.H. Nº U-35 PAGE 12/12

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
145.1	147.4	Fault Zone													
		light grey, mainly sericite phyllite well foliated @ 70°													
		145.1 - 145.6 Sericite Phyllite sheared and pulverized	0.4/0.5												
		145.6 - 146.0 - Sericite Phyllite competent	0.4/0.4												
		146.0 - 147.4 Fault Gouge	0.9/1.4												
		mainly mud and fine flakes of sericite ~~phyllite~~, fragments of sericite phyllite and qtz to 1cm. and av. 0.2 cm.													
147.4	147.8	Bleached Sericite Phyllite	0.4/0.4												
		pale green, well foliated @ 85°, competent, 2% py. qtz vein 147.6 - 147.7 @ 80°.													
	147.8	End of Hole, stopped due to danger of sticking rods													

Typed = HP.

DIAMOND DRILL RECORD

LOGGED BY Glenn Jetu — March 6/76

PROPERTY Grim Joint Venture (Underground)

D.D.H. No. U-36 — PAGE 1/2

LATITUDE 10631.975 — Knocks 2N 68+22.5m W 68+10N — BEARING OF HOLE 136° 26' 21" — STARTED March 5/76

DEPARTURE 7680.82 — DIP OF HOLE +7° 44' — COMPLETED March 5/76

ELEVATION 1167.49 — DIP TESTS none — DEPTH Proposed: Ultimate: 19.8m

CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	3.2	Quartz Sericite Phyllite	2.6 / 3.2												
		dark silvery grey, well foliated, F_2 = 15°,													
		generally fissile, details													
		0 - 1.4 as above fractured and broken													
		1.4 - 3.2 as above competent, 2.9-3.1 sheared													
3.2	6.1	Bleached Sericite Phyllite with Sulphides	2.7 / 2.9												
		pale yellow green, well foliated F_2 = 5°, competent													
		5% sulphides as irregular shaped bands													
		au 0.5cm wide @ 5°, py sph gal, qtz													
		vein 1cm wide @ 5° 4.3 - 4.7, first													
		and second contacts gradational													
6.1	14.7	Quartz Sericite Phyllite	8.0 / 8.6												
		dark grey, well foliated F_2 = 10°, generally													
		competent, minor fracturing @ 70° details													
		11.2 - 11.8 Fault Zone, sericite rich													
		11.2 - 11.3 sheared Sericite Phyllite													
		11.3 - 11.8 Fault gouge, fine sericite flakes													

LOGGED BY SJ D.D.H. Nº U-36 PAGE 2/2

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		and mud.													
		13.0 - 13.2 sheared sericite phyllite													
14.7	15.2	Graphite Phyllite													
		dark grey-black, well foliated $F_2 = 5°$,													
		fissile incompetent.													
15.2	16.8	Sulphide Zone Py 15 - Pbzn - 15	1.6/1.6	01751?	15.2	16.8	1.6	8.17	10.82	133.03			check if this sample ground		
		banding @ 35°, 30% inclusions of													
		qtz (speckled texture), grains av. 2mm													
		diametre., competent													
		15.7 - 16.1 qtz vein > 3cm wide													
		@ 5°, 15.9 - 16.0 sericite phyllite													
		well foliated @ 15°													
16.8	18.3	Graphite Phyllite	0.8/1.5												
		dark grey-black, incompetent, broken													
		into chips av. 1cm in diametre, $F_2 = 5°$													
18.3	19.8	Fault Zone	1.0/1.5												
		18.3 - 19.5 fault gouge, light grey,													
		consists of fine sericite flakes and													
		mud													
		19.5 - 19.8 Sericite Phyllite, light grey,													
		fissile, $F_2 = 20°$													
	19.8 +	End of Hole, Stopped due to danger of sticking rods													

DIAMOND DRILL RECORD

Typed ✓ MP.

LOGGED BY Glenn Jetu — March 6/76

PROPERTY Grim Joint Venture (Under ground)

D.D.H. No. 76 U-37 PAGE 1/3

LATITUDE 10633.28 — 2+21.0 N — BEARING OF HOLE 93°23' — STARTED March 5/76

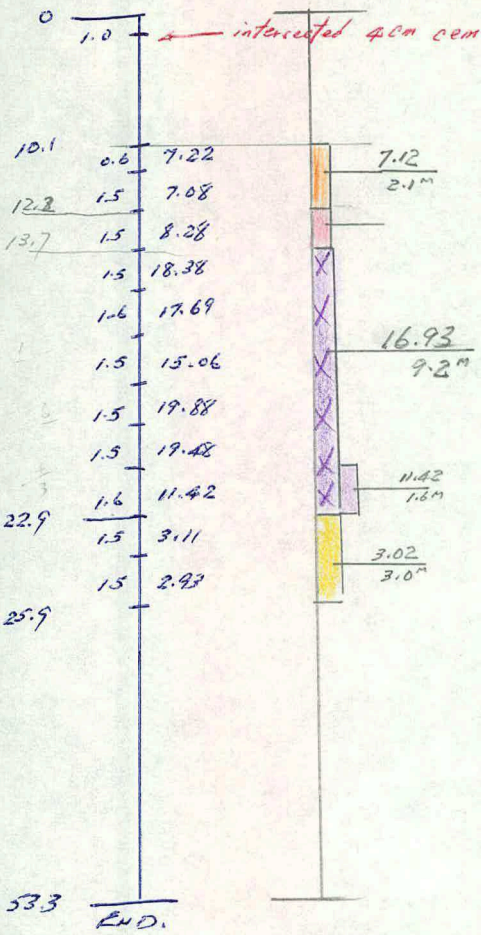
DEPARTURE 7681.65 — 68+23.0 W — DIP OF HOLE +9° 12' — COMPLETED March 8/76

ELEVATION 1167.74 — DIP TESTS none — DEPTH Proposed: Ultimate: 53.3

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

CLAIM No.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Py	PbZn	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	10.1	Quartz Sericite Phyllite			6.0 / 10.1												
		dark grey, well foliated, F_2 : 20°, fracturing															
		@ 70°, parting along F_2 common details															
		0-1.8 as above fractured and broken, massive															
		sulphide 0.9-1.0 (?), ✱ @ 1.0 4cm															
		of cement (possible intersection with surface															
		hole).															
		1.8-2.5 (?) as above sheared pulverized			0.1 / 0.6												
		2.5-7.6 as above, competent; qtz veins @ 4.8															
		and 5.1, 10cm wide @ 70°															
		7.6 10.1 as above, strongly fractured and broken			0.4 / 2.5												
		sheared in part															
10.1	38.1	Sulphide Zone	30	6	0.6 / 0.6	1752	10.1	10.7	0.6	2.15	5.07	32.03			1.29	3.042	19.218
		Interbanded quartz sulphide with	40	4	1.5 / 1.5	1753	10.7	12.2	1.5	2.10	4.98	49.37			3.15	7.47	74.055
		graphite and massive sulphite, F_2	30	6	1.5 / 1.5	1754	12.2	13.7	1.5	2.60	5.68	47.31					
		where present : 20°, F_3 and sulphide	60	20	0.6 / 1.5	1755	13.7	15.2	1.5	4.70	13.68	97.72			7.05	20.52	146.58
		banding : 70°, details	60	20	0.4 / 1.6	1756	15.2	16.8	1.6	4.93	12.76	80.57			7.888	20.416	128.912


0
1.0
intercepted 4cm cement (sealed D.D.H ?)
10.1
0.6
7.22
12.2
1.5
7.08
13.7
1.5
8.28
1.5
18.38
1.6
17.69
1.5
15.06
1.5
19.88
1.5
19.48
1.6
11.42
22.9
1.5
3.11
1.5
2.93
25.9
53.3
END.
7.12
2.1m
16.93
9.2m
11.42
1.6m
3.02
3.0m

76-037

LOGGED BY SJ D.D.H. No 11-37 PAGE 2/3

Interval From	Interval To	DESCRIPTION	Py	Pb Zn	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		10.1 - 13.4 Quartz Sulphide with Graphite	60	20	1.2/1.5	1757	16.8	18.3	1.5	4.80	10.26	86.74			7.20	15.39	130.11	
		competent, 10% graphite, 50% sulphide	60	20	1.0/1.6	1758	18.3	19.8	1.5 ~~1.6~~	6.51	13.37	98.74			9.765	20.055	148.11	
		brecciated texture common, fragment	60	20	1.5/1.5	1759	19.8	21.3	1.5	6.36	13.12	99.77			9.54	19.68	149.655	
		av. 1cm, matrix mainly qtz and	45	15	1.4/1.6	1760	21.3	22.9	1.6	4.65	6.77	88.57			7.44	10.832	128.912	✓
		sulphide, 11.8-12.4 massive sulphide	15	1	1.5/1.5	1761	22.9	24.4	1.5	1.43	1.68	24.34			2.145	2.52	36.51	
		13.4 - 21.8 Massive Sulphide, granular	20	2	1.4/1.5	1762	24.4	25.9	1.5	1.18	1.75	24.34			1.77	2.625	36.51	
		and ~~porous~~ porous, generally																
		competent foldnose @ 18.6,				W.A	10.1	12.2	2.1	2.12	5.00	44.4			4.44	10.512	93.273	✓
		quartz sulphide with graphite				W.A	13.7	22.9	9.2	5.32	11.7	90.5			48883	106.893	832.279	✓
		18.1 - 18.4				W.A	22.9	25.9	3.M	1.31	1.71	24.34			3.915	5.145	73.02	✓
		21.8-38.1 Quartz Sulphides with graphite																
		20±5% sulphide, 15% graphite, F_1								any Pb-Zn ?								
		@ 70° crenulated and locally																
		x cut by F_2 @ 10°, generally																
		competent, fracturing @ 30°, 45°, 70°																
		sulphide (py) as disseminate in qtz																
		rich bands, 37.8-38.1 as above																
		but ground into fragments av.																
		1cm diametre. (full core recovery)																
38.1	53.3	Quartz Sericite Phyllite			14.8/15.2													
		silvery grey, well foliated F_2 = 15°, generally																
		competent, fractures @ 0°, 70°, 38.1-39.3 strongly																

LOGGED BY _____ D.D.H. No U-37 PAGE 3/3

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		37													
		sheared and broken, sheared phyllite													
		av. 10cm wide @ 41.4, 42.6 and 50.0; qtz													
		veins @ 40° av. 10cm wide @ 42.4, 44.1,													
		45.1, 46.2, 48.0, and 49.7, qtz. vein 49.8													
		to 50.1 @ 40°; F_1 structures locally													
		evident @ 90° to F_2 C.A. @ 80°													
	53.3	End of Hole, making water													
		which caused difficulty ~~mining~~ drilling.													
		hit water bearing zone at approx 100'													

Typed-up

DIAMOND DRILL RECORD

LOGGED BY Glenn Teton — March 9/76

PROPERTY Grim Joint Venture (Underground)

D.D.H. No. 76-U38 PAGE 1/5

LATITUDE ~~10633.28~~ 10632.55 (2+10 N / 2N) — BEARING OF HOLE 103° 48' — STARTED March 8/76

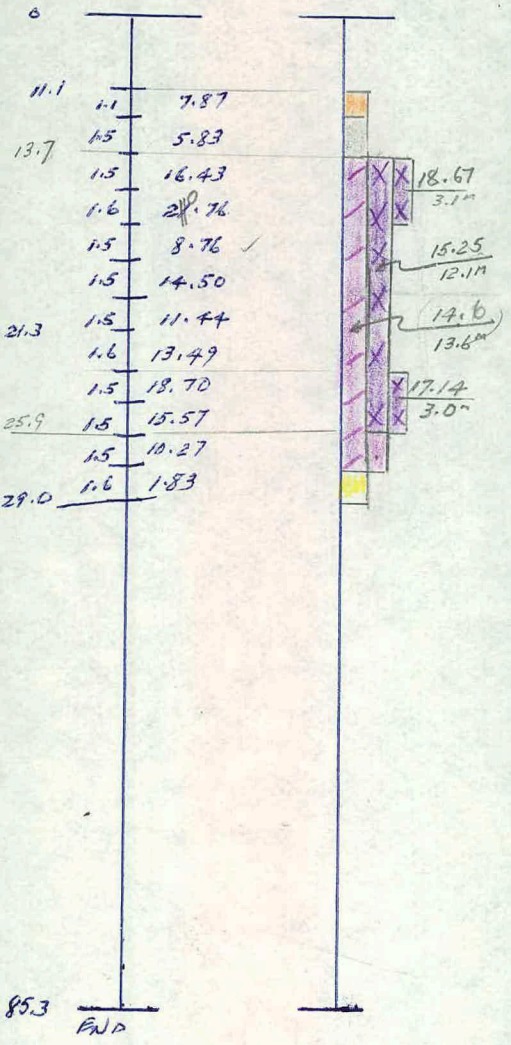
DEPARTURE ~~10631.55~~ 7681.265 (68+22.5 / 68+79) — DIP OF HOLE +09° 49' — COMPLETED March 9/76

ELEVATION 1167.83 — DIP TESTS none — DEPTH Proposed: Ultimate: 85.3

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	11.1	Quartz Sericite Phyllite	8.3 / 11.1												
		dark grey well foliated, F_2 - 15°, soft (low qtz) and fissile, parting along F_2 common													
		details;													
		0 - 5.6 as above, qtz vein 1.0-1.2 fractured.													
		5.6 - 6.3 bleached sericite phyllite, pale green sericite rich, Massive sulphide 5.9 - 6.1 with py 40 Pb Zn 18 · first second contacts @ 70°													
		6.3 - 7.2 sericite phyllite, dark grey													
		7.2 - 7.6 " " , sheared - pulverized													
		7.6 - 8.2 sericite phyllite, dark grey													
		8.2 - 10.6 sericite phyllite, talcy, sheared, qtz veins common av. 3cm wide @ 70°													
		10.6 - 11.1 bleached sericite phyllite, pale green sericite rich, fissile ⇒ sheared.													
11.1	48.2	Sulphide Zone													


0
11.1
1.1
7.87
13.7
1.5
5.83
1.5
16.43
1.6
2[illegible].76
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8.76
1.5
14.50
21.3
1.5
11.44
1.6
13.49
1.5
18.70
25.9
1.5
15.57
1.5
10.27
29.0
1.6
1.83
85.3
END
18.67
3.1m
15.25
12.1m
14.6
13.6m
17.14
3.0m

LOGGED BY JJ D.D.H. NO U-38 PAGE 2/5

Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/t	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		11.1-11.8 Massive sulphide with 15% barite	40	2	1.1/1.1	1763	11.1	12.2	1.1	2.35	5.52	33.26					
		competent, fracturing @ 70°	70	4	1.5/1.5	64	12.2	13.7	1.5	1.70	4.13	31.20					
		11.8-15.2 Massive Sulphide Breccia with	25	10	1.5/1.5	1765	13.7	15.2	1.5	4.63	11.80	76.80			6.945	17.70	115.2
		Quartz, av. 60% sulphide,	50	8	0.8/1.6	1766	15.2	16.8	1.6	5.63	15.13	85.72			9.008	24.208	137.152
		fragments av. 05cm well healed	30	4	1.3/1.5	67	16.8	18.3	1.5	2.48	6.28	46.29			3.72	9.42	69.435
		by qtz less commonly sulphide	40	12	1.4/1.5	68	18.3	19.8	1.5	3.73	10.77	62.40			5.595	16,155	93.60
		15.2-23.9 Massive Sulphide with Barite	30	12	1.4/1.5	69	19.8	21.3	1.5	3.45	7.79	60.34			5.175	11.985	11,985
		and qtz, barite 20% ± 5%,	25	8	1.2/1.6	1770	21.3	22.9	1.6	4.03	9.46	93.94			6.448	15.136	150.304
		banding (F_1) @ 40°, fracturing	50	18	1.5/1.5	71	22.9	24.4	1.5	6.20	12.50	104.92			9.30	18.75	157.38
		common @ 45° and 30°, 70°, 15°	60	18	1.5/1.5	72	24.4	25.9	1.5	5.42	10.15	75.77			8.13	15,225	113.655
		broken core 15.2-15.8, ~~and~~ 16.6-17.2	30	7	1.5/1.5	73	25.9	27.4	1.5	4.25	6.02	71.66			6.375	9.03	107.49
		and 20.8-21.3, fold noses @	25	1	1.6/1.6	1774	27.4	29.0	1.6	.65	1.18	13.03					
		16.0 and 23.4															
		23.9-26.0 Massive Sulphide, banding @				W.A	13.7	16.8	3.1	5.15	13.52	81.4			15.953	41.908	252,352
		70°, mainly porous and granular				W.A	13.7	25.9	12.1	4.49	10,62	70,2			54.321	128.579	848.711
		first second contacts gradational				W.A	22.9	25.9	3.0	5.81	11.3	90.3			17.43	33.975	271.035
		26.0 44.5 Quartz Sulphides with Graphite				W.A	13.7	27.4	13.6	4.46	10.12	10.3			60.696	137.609	956.201
		av. 20% ~~to~~ 5% sulphides (Py) banding															
		(F_1) @ 70°, F_2 incipient @ 5 ± 5°															
		graphite 15%, generally competent															
		details															
		26.0-35.1 as above, breccia zones															

LOGGED BY SJ D.D.H. No U-38 PAGE 3/5

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		@ 32.8-33.0 and 33.9-34.4, fragments of host av. 0.5cm well healed by qtz, 100% core recovery													
		35.1-40.5 as above fractured and broken, gravelly in part (90% core recovery)													
		40.5-44.5 as above, competent, F_1 nose @ 43.7 second contact grad. (100% core recovery)													
		44.5-46.2 - Kaoline Fuslite alt zone 5% sulphide, $F_2 = 5°$, competent fracturing @ 30°, 80° (full core rec.)													
		46.2-48.2 - Quartz Sulphide with Graphite and Sericite, 15% sulphide(py), mod. foliation $F_2 = 5°$, $F_1 = 80°$, fracturing common @ 15°, 80°, 60°, (80% core rec.)													
48.2	50.7	Bleached Sericite Phyllite with Sulphide pale green, sericite rich, mod. foliation $F_2 = 15°$ F_1 @ 65° offset along F_2; sulphides 10% as fine bands parallel F_1, mainly py ± sph ± gal.; mainly competent, sheared 49.5-49.8	1.6 / 2.5												
50.7	66.5	Quartz Sericite Phyllite dark grey, well foliated $F_2 = 15°$, F_1 locally	15.4 / 15.8												

LOGGED BY SS D.D.H. Nº U-38 PAGE 4/5

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		evident @ 90° to F_1 CA = 80°, generally competent minor fracturing @ 80°, 15°, traces of sulphide 1-2% as fine diss. in qtz rich bands, qtz veins av. 10cm wide @ 20°, @ 52.0, 54.6, 56.4 58.4, 59.0, and 53.3; fissile incompetent 66.2 - 66.5													
66.5	69.1	Sericite Phyllite with sulphide pale grey to green, well foliated @ 20°, competent, F_1 70° ± 10° offset along F_2, sulphides - 10% mainly py ± sph ± gal follow both F_1 and F_2 structures, as fine bands av. 0.3 cm wide.	2.6/2.6												
69.1	73.0	Sericite Phyllite dark grey well foliated F_2 = 20°, generally competent, detail 69.1 - 69.4 as above sheared 72.5(?) - 73.0 fault + gouge; sericite rich mud with fragments of qtz and phyllite av. 0.2 cm diametre	2.5/3.8 a1/0.5												
73.0	76.0	Bleached Phyllite pale green to buff, mod foliation @ 20°	2.1/3.0												

LOGGED BY SJ D.D.H. Nº U-38 PAGE 5/5

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		becomes progressively richer in kaolin towards end of unit, 2% so sulphide as fine stringers and disseminate, fracturing @ 70°, 90°, 30° very common, locally (and with increase kaolin) friable.													
76.0	85.3	Quartz Sericite Phyllite dark grey, well foliated $F_2 = 10°$, competent minor fracturing @ 90°, 70°, 30°, qt vein @ 10° 84.0 - 84.5	9.2 / 9.3												
	85.3	End of Hole, making water, stopped due to danger of sticking rods													

Typed ✓ (edcon to do.) W.Av checked by RC.

DIAMOND DRILL RECORD

LOGGED BY Glenn Ietsa March 11/76

PROPERTY Grum Joint Venture (Underground)

D.D.H. No. 76 U 39 PAGE 1/8

		Collar	100'	185'
LATITUDE 10767.245	3+3.5N	BEARING OF HOLE 233°24'17"	241°	240°
DEPARTURE 7588.402	74W	DIP OF HOLE -73°15'	-	
ELEVATION 1144.623m	74+1W	DIP TESTS Sperry Sun	-75°	-75°

STARTED March 9/76

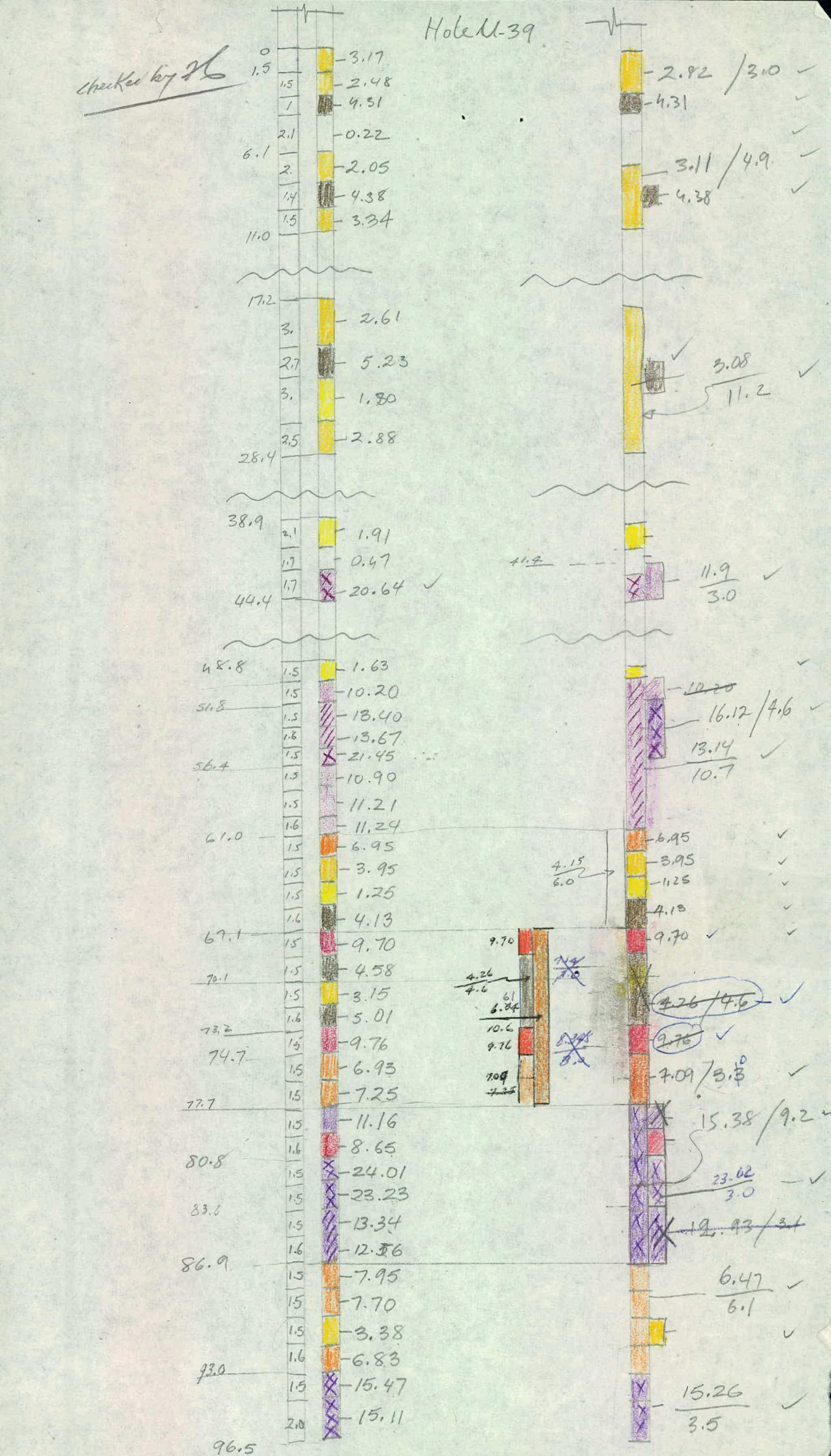
COMPLETED March 10/76

Proposed: DEPTH Ultimate: 110.3

CLAIM No.

N ← DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag oz/ton	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag	
0	11.0	Quartz Sulphide with Sericite														
		pale green to light grey, siliceous, mod. foliation														
		F_2 = 90°; F_1 generally @ 5° also as foldnoses,														
		offset along F_2; competent, sulphides as														
		fine stringers av. 2mm wide, following F_1; details														
		0-1.5 as above fractured and broken Py 10 Pb Zn 6	1.0/1.5	1775	0	1.5	1.5	1.74	1.43	21.26			2.61	2.145	31.89	
		1.5-3.0 as above competent Py 10 Pb Zn 7	1.0/1.5	76	1.5	3.0	1.5	1.18	1.30	17.14			1.77	1.95	25.71	
		3.0-4.0 as above competent Py 10, Pb Zn 7	1.0/1.0	77	3.0	4.0	1.0	2.78	1.53	36.34						P
		4.0-6.1 as above, kaolin fush. alt zone 4.0-5.5, Py 4, Pb Zn 1	2.1/2.1	78	4.0	6.1	2.1	.14	.08	3.09						P
		6.1-8.1 as above, traces of graphite, Py 12, Pb Zn 2	2.0/2.0	79	6.1	8.1	2.0	1.85	.20	18.17			3.7	0.40	36.34	
		8.1-9.5 as above, pale green-yellow Py 7, Pb Zn 7	1.4/1.4	1780	8.1	9.5	1.4	1.95	2.43	24.34			2.73	3.402	34.076	P
		9.5-11.0 " " " " " Py 7, Pb Zn 7	1.5/1.5	81	9.5	11.0	1.5	1.34	2.00	21.26			2.01	3.00	31.89	
11.0	15.4	Chlorite Sericite Phyllite	4.4/4.4													
		dark green, well foliated, F_2 = 70°, competent,		W.Av.	0	3.0	3.0	2.82	Pb Zn				4.38	4.095		P
		first contact @ 70°, second contact gradational details,		W.Av.	6.1	11.0	4.9	3.11	Pb Zn				8.44	6.802		P
		12.7-13.1 Quartz Sulphide with sericite, F_1 = 5°														
		14.1-14.3 " " very siliceous														


Hole M-39
checked by JL
0
1.5
3.17
1.5
2.48
1
4.31
2.1
0.22
6.1
2.
2.05
1.4
4.38
1.5
3.34
11.0
17.2
3.
2.61
2.7
5.23
3.
1.80
2.5
2.88
28.4
38.9
2.1
1.91
1.7
0.47
1.7
20.64
44.4
48.8
1.5
1.63
1.5
10.20
51.8
1.5
13.40
1.6
13.67
1.5
21.45
56.4
1.5
10.90
1.5
11.21
1.6
11.24
61.0
1.5
6.95
1.5
3.95
1.5
1.25
1.6
4.13
67.1
1.5
9.70
70.1
1.5
4.58
1.5
3.15
1.6
5.01
73.2
1.5
9.76
74.7
1.5
6.93
1.5
7.25
77.7
1.5
11.16
1.6
8.65
80.8
1.5
24.01
1.5
23.23
83.8
1.5
13.34
1.6
12.56
86.9
1.5
7.95
1.5
7.70
1.5
3.38
1.6
6.83
93.0
1.5
15.47
2.0
15.11
96.5
2.82 / 3.0
4.31
3.11 / 4.9
4.38
3.08
11.2
41.4
11.9
3.0
16.12 / 4.6
13.14
10.7
6.95
3.95
1.25
4.13
4.15
6.0
9.70
9.70
4.26
4.6
6.24
10.6
9.76
7.09
7.09 / 3.5
15.38 / 9.2
23.62
3.0
6.47
6.1
15.26
3.5

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
15.4	33.0	Quartz Sulphide with Sericite														
		dark grey or light green, mod. foliation F_2 = 70°														
		F_1 @ 0° folded about or offset by F_2,														
		generally highly siliceous, competent														
		details														
		15.4-15.8 as above pale green, Py 4, Pb Zn 3	0.4/0.4													
		15.8-16.5, bleached phyllite kaolin rich with	0.7/0.7													
		traces of Fushite														
		16.5-17.2 Sericite Phyllite, dark grey	0.7/0.7													
		17.2-20.2 Quartz sulphide Py 8 Pb Zn 4	3.0/3.0	1782	17.2	20.2	3.0	1.18	1.43	13.03			3.54	4.29	39.09	
		20.2-22.9 as above, kaolin alt zone 20.2-20.7, Py 10, Pb Zn 5	2.7/2.7	1783	20.2	22.9	2.7	1.98	3.25	25.37			5.346	8.775	68.499	P
		22.9-25.9 as above, kaolin alt zone 22.9-23.1; Py 10, Pb Zn 4	3.0/3.0	1784	22.9	25.9	3.0	.65	1.15	6.17			1.95	3.45	18.51	
		25.9-28.4 as above, Py 10, Pb Zn 3	2.5/2.5	1785	25.9	28.4	2.5	1.88	1.00	15.09			4.70	2.50	37.725	
		28.4-28.9 - kaolin alt. zone competent	0.5/0.5													
		28.9-30.3 - quartz sulphide with sericite, pale	1.4/1.4													
"		green, Py 5, Pb Zn 1		W.Av	17.2	28.4	11.2	1.38	1.69	14.62			15.536	19.015	163.824	P
		30.3-31.0 Sericite Phyllite, dark grey	0.6/0.7													
		31.0-31.9 Kaolin Fushite Alt. zone	0.9/0.9													
		31.9-33.0 quartz sulphide with sericite Py 10, Pb Zn 2	1.1/1.1													
33.0	36.0	Quartz Chlorite Phyllite	3.0/3.0													
		dark green, mod. foliation, F_2 = 80°, F_1														
		locally as fold noses between F_2, first														

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		and second contacts sharp @ 80°														
		33.4-33.7 qtz. sulphide with sericite														
36.0	42.7	Quartz Sulphide with Sericite ± Chlorite pale green, mod. foliation @ 90°, F, locally evident @ 30°, very siliceous, chlorite as bands (parallel F_2) av. 1cm wide massive dark green; competent minor fracturing @ 70° and 30° details														
		36.0 - 37.8 as above chlorite common, Py 10, Pb Zn	1.8/1.8													
		37.8 - 38.9 bleached phyllite, silicified	1.2/1.2													
		38.9 - 41.0 qtz sulfide Py 10, Pb Zn 4	2.1/2.1	1786	38.9	41.0	2.1	.58	1.33	8.91						P
		41.0 - 42.7 Kaolin fushite alt zone, 42.3 (?) 42.7	1.4/1.7	1787	41.0	42.7	1.7	.19	.28	3.09		x1.3	0.247	0.364	4.017	P
		sulphide breccia fragments of sulphide av. 0.2cm in matrix of graphite, incompetent; Py 4, Pb Zn 0.5		↓												
42.7	44.4	Massive Sulphide Breccia Py 60, Pb Zn 15	1.2/1.7	1788	42.7	44.4	1.7	7.59	13.05	122.06			12.903	22.185	207.502	P
		fragments av. 2mm, in fine sulphide matrix well healed competent														
44.4	48.8	Black Sericite Phyllite	3.2/4.4	W.Sv.	41.4	44.4	3.0	4.38	7.52	70.50			13.150	22.549	211.519	P
		sheared ⇒ fissile, F_2: 70°, incompetent														
		very talcy, more siliceous section hard and competent, details														

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Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag gm/mt	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		44.4 - 47.2 as above															
		47.2 - 48.8 as above, fissile bar competent															
48.8	96.5	Sulphide Zone, details															
		48.8 - 49.3 Massive sulphide, faint banding	15	4	1.5/1.5	1789	48.8	50.3	1.5	.63	1.00	15.09	gm/mt.				
		@ 70°, 10% small inclusions of qtz (av. 2mm)	20	8	1.5/	1790	~~50.3~~	51.8	1.5	4.75	5.45	75.77			7.125	8.175	113.655
		49.3 - 51.0 Kaolin Fushite Alt. Zone,	~~55~~ 40	~~14~~ 14	1.5/	91	51.8	53.3	1.5	5.70	7.70	90.86			8.55	11.55	136.29
		competent, mod fol. @ 70°, first contact	40	14	1.6/	92	53.3	54.9	1.6	4.90	8.77	82.63			7.84	14.032	132.208
		@ 70° second contact gradational	60	+18	1.3/	93	54.9	56.4	1.5	7.69	13.76	75.77			11.535	20.64	113.655
		51.0 - 52.8 Banded Massive Sulphide,	65	16	1.4/	94	56.4	57.9	1.5	4.48	6.42	67.54			6.72	9.63	101.31
		banding @ 70°, granular in part, competent	45	20	1.5/	1795	57.9	59.4	1.5	3.95	7.26	62.40			5.925	10.89	93.60
		fracturing @ ~~75~~ 70°	50	18	1.5/	96	59.4	61.0	1.6	4.30	6.94	78.86			6.88	11.104	126.176
		52.8 - 54.9 Massive Sulphide with Barite	70	12	1.5/	97	61.0	62.5	1.5	3.05	3.90	49.37		T			
		15% barite as matrix, banding @ 70°,	50	8	1.5/	98	62.5	64.0	1.5	1.85	2.10	36.34	1.82 2.03 32.57				
		fold nose @ 53.6, competent	5	0.5	1.5/	99	64.0	65.5	1.5	.55	.70	12.00					
		54.9 - 61.4 Banded Massive Sulphide	40	2	1.6/	1800	65.5	67.1	1.6	2.55	1.58	50.40		T			
		banding @ 70°, fold nose @ 59.7, generally	35	4	1.4/	01	67.1	68.6	1.5	4.75	4.95	62.40			7.125	7.425	93.6
		competent, granular in part, sulphide	70	6	1.5/	02	68.6	70.1	1.5	2.30	2.28	43.54			3.45	3.42	65.31
		breccia 56.7 - 57.2 and 58.0 - 58.4	20	4	1.5/	03	70.1	71.6	1.5	1.30	1.85	25.37			1.95	2.775	38.055
		fragments av. 1cm well healed by sulphide	1	2	1.6/	04	71.6	73.2	1.6	1.78	3.23	25.37			2.848	5.168	40.592
		, 59.0 - 59.2 - 15% barite, 60.5 - 61.0	30	14	1.5/	1805	73.2	74.7	1.5	2.90	6.86	57.60			4.35	10.29	86.40
		qtz. sulphide	20	4	1.5/	1806	74.7	76.2	1.5	2.23	4.70	44.23			3.345	7.05	66.345
		61.4 - 63.0 Massive Sulphide Breccia	20	8(?)	1.5/	07	76.2	77.7	1.5	2.50	4.75	54.61			3.75	7.125	81.765

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Interval From	Interval To	DESCRIPTION	B_2	$PbZn$	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		fragments av. 1cm well healed by	20	8	1.5/	1808	77.7	79.2	1.5	3.48	7.68	100.80			5.22	11.52	151.20	
		sulphide.	15	7	1.6/	09	79.2	80.8	1.6	2.90	5.75	45.26			4.64	9.20	72.416	P
		63.0 - 63.4 Kaolin Fuslite @ lt zone	40	18	1.5/	1810	80.8	82.3	1.5	7.36	16.66	125.14			11.04	24.975	187.71	
		well foliated @ 80°, competent	50	18	1.5/	1811	82.3	83.8	1.5	8.28	14.95	129.94			12.42	22.425	194.91	
		63.4-64.0 Vuggy Massive Sulphide	55	20	1.5/	12	83.8	85.3	1.5	5.10	8.24	80.57			1.65	12.36	120,855	
		lense shaped vugs, av. 0.5cm	55	18	1.6/	13	85.3	86.9	1.6	4.68	7.88	59.31			7.488	12.608	94.896	
		long. competent.	70	12	1.4/	14	86.9	88.4	1.5	2.80	5.15	41.49			4.20	7.725	62.235	
		64.0 - 64.5 Quartz Vein, milk white	75	10	1.5/	1815	88.4	89.9	1.5	2.90	4.80	44.23			4.35	7.20	66.345	
		fractured and broken	75	10	1.5/	16	89.9	91.4	1.5	1.25	2.13	28.46			1.875	3.195	42.69	
		64.5 - 65.5 - Kaolin Fuslite @ lt. Zone	50	8	1.6/	17	91.4	93.0	1.6	3.88	2.95	60.34			6.208	4.72	96.544	
		with 5% sulphite, friable	30	6(?)	1.4/	18	93.0 ~~94.5~~	94.5	1.5	2.15	13.32	36.34	]		3.225	19.98	54.51	
		incompetent, second contact	30	10	1.7/	1819	94.5	96.5	2.0	4.08	11.03	60.34	]		8.16	22.06	120.68	
		@ 60°																
		65.5 - 65.9 Graphite Phyllite																
		black, fissile, F_2 = 80° (= F_1 ?) second				With.	~~48.8~~ 50.3	61.0	10.7	5.10	8.04	76.34			54.575	86.021	816.894	P
		contact @ 30°				"	51.8	56.4	4.6	6.07	10.05	83.08			27.925	46.222	382.153	P
		65.9 - 66.5 Massive Sulphide, structureless				"	74.1	77.7	3.0	2.36	4.73	49.37			7.095	14.175	148.110	P
		py rich, competent				"	77.7	86.9	9.2	5.26	10.12	89.35			48.458	93.088	821.987	P
		66.5 - 68.4 Fault Zone details				"	80.8 86.9	83.8 93.0	3.0 6.1	7.82 9.73	15.80 3.74	127.54 43.90			23.46 16.633	47.400 22.840	382.62 267.814	P P
		66.5 - 67.3 Massive Sulphide with				"	93.0	96.5	3.5	3.25	12.01	50.05			11.385	42.04	175.19	P
		15% qtz, fractured and broken,				"	67.1	77.7	10.6	2.53	4.08	44.53			26.818	43.253	472.067	P
		66.6-66.7 ## vuggy with po				"	61.0	67.0	6.0	2.05	2.10	37.87						

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		67.3 - 68.0 Sulphide Breccia, fragments of sulphide and sericite phyllite ao 0.1cm poorly healed by chert(?), incompetent													
		68.0 - 68.2 Fault Gouge, sericite rich mud with fragments of qtz and sulphide to 1cm diam.													
		68.2 - 68.4 Sulphide Breccia angular fragments of sulphide in matrix of sericite and qtz.													
		68.4 - 69.7 Massive Sulphide Breccia all sulphide, fragments to 1cm well healed by sulphide													
		69.7 - 70.2 Massive Sulphide structureless													
		70.2 - 71.6 Bleached Phyllite with Sulphides 10% sulphide as stringer diss., phyllite kaolin rich friable incompetent, first contact @ 15°, 70.9 - 71.1 breccia fragments to 1cm well healed by chert.													
		71.6 - 72.4 Sheared Sericite Phyllite, dark grey, F_2 : 70°													

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		72.4 - 73.0 - Bleached Sericite Phyllite pale yellow, F_2 = 75°; F_1 @ 90° to F_2 CA 15°, 5% sulphide													
		73.0 - 83.4 Quartz Sulphides 40 ± 10% qtz, sulphides as bands av. 0.5cm wide or as diss. in qtz., banding @ 50° ± 10°, (F_1), foldnose @ 75.6; competent													
		83.4 - 91.2 Banded Massive Sulphide banding @ 70°, competent, first contact gradational													
		91.2 - 96.5 Massive Sulphide Breccia with 10% qtz (as fragments), fragments av 0.1cm range to > 2cm, detail 91.2 - 93.0 - as above well healed by sulphide 93.0 - 96.5 - as above, poorly healed by minor sulphide and yellow chert(?), vuggy texture. second contact @ 65°													
		End of Sulphide Zone													
96.5	110.3	Sericite Phyllite dark grey, F_2 = 70°, fissile, incompetent													

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		talcy, details;													
		96.5-100.6 Fault Zone consists mainly of sheared → pulverized sericite phyllite	2.0 / 4.1												
		Fault gouge @ 96.8-97.3, 98.7-99.1 and 99.5-100.6, consist of sericite rich mud with fragments to 1cm diametre of qtz and rarely sulphide													
		100.6-108.0 Sericite Phyllite fissile to sheared incompetent	2.9 / 7.4												
		108.0-110.3 Fault Zone	0.7 / 2.3												
		Fault Gouge 108.0-108.2 and 108.6-109.2 with sericite rich mud and fragments of qtz and phyllite range to 1cm diametre.													
		Silicified sericite Phyllite @ 108.2-108.6 and 109.2-110.3 as fragments av. 1cm in diametre (coarse gravel)													
	110.3	~~110.3~~ End of Hole													

Typed-H.P. (calcs to do) ✓ 07 N chicken ag 26

DIAMOND DRILL RECORD

LOGGED BY Glenn Yeo D.D.H. No 76 U-40 PAGE 1

PROPERTY Grum Joint Venture (Underground) CLAIM No

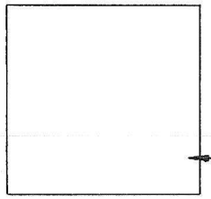
LATITUDE 10767.00 51 3+2.5 8N STARTED March 10 | 76

DEPARTURE 7588.308 7+W COMPLETED March 12 | 76

ELEVATION 1144.X597 14.0.8W PROPOSED DEPTH

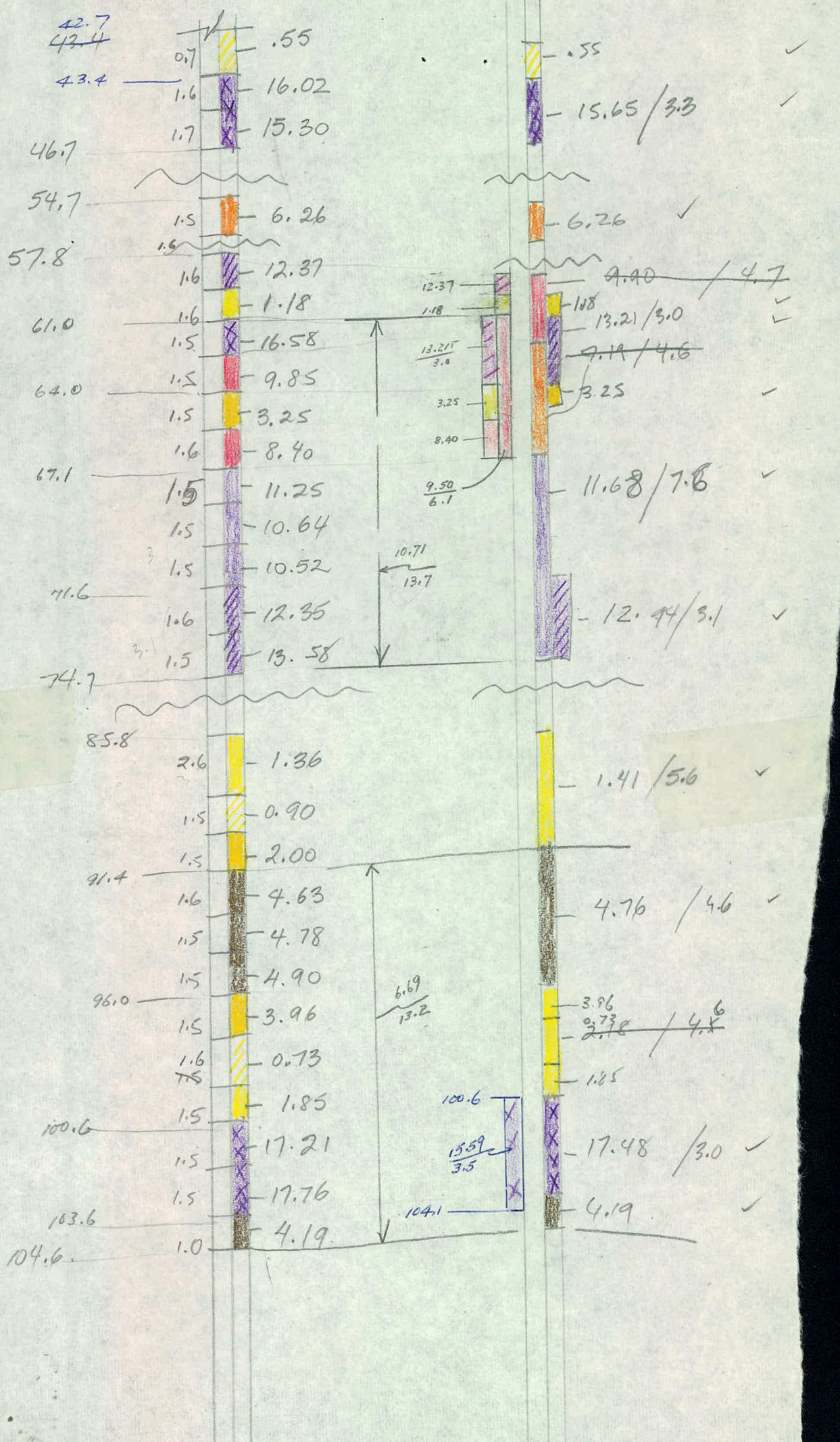
ULTIMATE DEPTH 108.8

HOLE SURVEY:		
DEPTH	BEARING	DIP
~~collar~~	~~225°-00'~~	-54°
collar	225° 20' 45"	-53° 58'
150' = 45.72m	234°	-59°
300' = 91.44	244°	-59°



Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	43.4	Quartz Sulphide with Sericite ± Graphite dark grey to light green, mod. foliation F_2 = 80 ± 5°; F_1 structures generally not evident, @ 90° to F_2 and tightly folded; graphite locally trace amounts; very siliceous, sulphides (Py Isph Igal) ± au. 10% ± 5% as fine bands or diss in qtz. bands parallel either F_1 or F_2 structure; core generally competent parting along F_2 av. 5cm long segments; kaolin-fuchsite alt zones @ 5.8-6.5, 8.0-8.4, 10.3-10.7, 13.4-13.6, 14.7-15.3 16.5-16.8 21.0-21.4. Second (37.7-39.3 breccia, fragments of host, av. 0.5cm, sericite matrix and 39.1-39.3 sheared pulverized contact gradational; sulphides ~ 15% py - 1-2% PbZn													
43.4	46.7	Banded Massive Sulphide	Py	PbZn											
		faint banding @ 60°, generally massive	20	1	0.7	1820	42.7	43.4	0.7	.07	.48	5.14			
		texture, competent, fracturing @ 80°, 0°	70	15	1.6	1821	43.4	45.0	1.6	6.10	9.92	85.72	9.76	15.872	137.152
		kaolin-fuchsite alt zones 45.5-45.6, and	60	18	1.7	1822	45.0	46.7	1.7	6.10	9.20	95.66	10.37	15.64	162.622

HOLE 40 - (-54° / 102.8m) checked by JL



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Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		46.2 - 46.3, 46.3 - 46.7 massive sulphide with 15% barite				W.Th.	43.4	46.1	3.3	6.10	9.55	90.84			20.13	31.512	299.772	P
46.7	54.7	Graphite Sericite Phyllite grey-black, well foliated, F_2: 80°, parting along F_2 common segments av. 2cm long, generally competent, 2% sulphides (py) locally as diss. in qtz rich bands, F_1 structures rare @ 90° to F_2, details			6.8/8.0													
		54.3 - 54.5 as above with 10% sulphide																
		54.5 - 54.7 Kaolin alt zone with 5% sulphides as diss and small blebs																
54.7	74.7	Massive Sulphide Zone																
		generally competent, fracturing @ 70°, 40° and ~~15~~ 15°; details	40 ~~60~~	10 ~~12~~	1.5/ /1.6	1823	54.7	56.2 / 57.8	1.5	2.23	4.03	60.34						P P
		54.7 - 55.9 Massive sulphide with 10% qtz as matrix, faint banding @ 80°	60 ~~15~~ 15 ~~60~~	12 ~~2~~ 2 ~~16~~	1.6/ 1.6/	1824 1825	57.8 59.4	59.4 61.0	1.6 1.6	5.20 .48	7.17 .70	93.94 8.23			8.32 0.768	11.472 1.12	150.304 13.168	P P
		55.9 - 56.2 Graphite Phyllite F_2: 85° with 10% sulphide	40 ~~50~~ 40 ~~15~~	16 ~~10~~ 10 ~~5~~	1.5/ 1.5/	26 27	61.0 62.5	62.5 64.0	1.5 1.5	6.15 3.70	10.43 6.15	102.86 58.63			9.225 5.55	15.645 9.225	154.29 87.945	
		56.2 - 57.8 Kaolin Fuslite alt zone sheared → pulverized, incompetent	15 ~~40~~ 40 ~~40~~	5 ~~11~~ 11 ~~60~~	1.5/ 1.6/	28 29	64.0 65.5	65.5 67.1	1.5 1.6	1.55 3.20	1.70 5.20	37.37 61.37			2.325 5.12	2.55 8.32	56.055 98.192	P P
		57.9 - 59.2 Massive Sulphide Breccia	40 ~~50~~	20 ~~10~~	1.5/	1830	67.1	68.6	1.5	3.75	7.50	55.54			5.625	11.25	83.31	

LOGGED BY _____ D.D.H. No U-80 PAGE 3

Interval From	Interval To	DESCRIPTION			Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		fragments range to >10cm (showing	~~50~~	~~14~~	1.5/	1831	68.6	70.1	1.5	3.98	6.66	85.72			5.97	9.99	128.58	
		banding of various orientation) av. 0.5cm	35	12	1.5/	32	70.1	71.6	1.5	3.90	6.62	92.92			5.85	9.93	139.38	
		well healed by sulphide and qtz.	40	12	1.6/	33	71.6	73.2	1.6	4.80	7.55	98.74			7.68	12.08	157.984	
59.2	60.9	Quartz Sulphide, 30%	30	15	0.9/	1834	73.2	74.7	1.5	5.18	8.40	117.94			7.77	12.6	176.91	
		qtz, banding @ 70°, 60.4-60.6				WT.AV	61.0	67.1	6.1	3.64	5.86	64.99		0	22.220	35.740	396.482	P
		sericitic phyllite (with kaolin) F_2					61.0	64.0	3.0	4.92	8.29	80.74			14.775	24.870	242.235	P
		@ 70° and F_1 distinct @ 90° to F_2				W.Av.	67.1	74.7	7.6	4.33	7.35	90.28		0	32.895	55.85	686.164	P
		but tightly folded.				W.Av	71.6	74.7	3.1	4.98	7.96	108.03			15.45	24.68	334.894	P
						W.Av.	~~67.8~~	~~62.5~~	~~4.7~~	~~3.89~~	~~6.01~~	~~67.61~~			~~18.313~~	~~28.237~~	~~317.762~~	
						WT.AV	61.0	74.7	13.7	4.02	6.69	79.02			55.12	91.59	1082.64	
60.9	63.5	Massive Sulphide with Barite																
		15% barite, sulphide banding @																
		80°																
63.5	65.6	Kaolin-Fuchsite alt zone, F_2 = 80°																
		F_1 locally distinct @ 90° to F_2																
		bands of massive sulphide av. 4cm																
		wide @ 65.0 and 65.3 @ 40°.																
65.6	72.7	Massive Sulphide Breccia																
		fragments of massive sulphide ± barite																
		av. 1cm well healed by matrix of																
		barite, qtz ± sulphide, 69.9-70.1																
		and 70.7-71.2 matrix sericite rich																
		and fragments of sericite phyllite																
72.7	74.7	Massive Sulphide with Barite																

LOGGED BY _____ D.D.H. Nº 12-40 PAGE 4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		20% barite as matrix, sulphide banding @ 90°													
74.7	85.8	Fault Zone													
		74.7-76.0 fault gouge black mud with fragments of sericite-graphite phyllite up to 1cm diametre	0.8/1.3												
		76.0-76.4 Sericite Phyllite, dark grey siliceous hard, strongly fractured and broken - as gravel.	0.3/0.4												
		76.4-76.8 fault gouge grey-black mud with fragments of sericite phyllite up to 2cm diametre	0.2/0.4												
		76.8-78.7 Sericite Phyllite, dark grey, well foliated @ 70° fissile incompetent	1.0/1.9												
		78.7-78.9 - qtz vein, milk white fractured	0.2/0.2												
		78.9-79.1 - fault gouge, dark grey mud with fragments of qtz and sericite phyllite	0.2/0.2												
		79.1-79.2 qtz. vein highly fractured and broken	0.1/0.1												
		79.2-80.8 fault gouge. dark grey black mud, rare fragments of sericite phyllite	0.8/1.6												

LOGGED BY _____ D.D.H. Nº U-40 PAGE 5

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		av. 0.5cm diametre														
		80.8 - 85.3 Sericite Phyllite, dark grey talcy, fissile incompetent	1.4/4.5													
		85.3 - 85.8 Sericite Phyllite, dark grey $F_2 = 60°$, competent	0.4/0.5													
85.8	104.6	Quartz Sulphide with Graphite well foliated, $F_2 = 20° \pm 5°$ but erratic may range to 90°, F_1 rarely evident @ 90° to F_2, fracturing common, @ 70°, 40°, 30° 5°, minor ~~fracture~~ parting along F_2; colour - dark grey, sulphides av. 15 ± 5% as disseminate in qtz rich bands, & follow F_2 structure details														
		85.8 - 88.4 as above, massive sulphide 85.8-86.1, Py 12, Pb 4	2.0/2.6	1835	85.8	88.4	2.6	.43	.93	8.91						
		88.4 - 89.9 as above Py 5, Pb 2n 6	1.3/1.5	36	88.4	89.9	1.5	.15	.75	5.14						
		89.9 - 91.4 as above Py 10, Pb 2n 6	1.4/1.5	37	89.9	91.4	1.5	.30	1.70	12.00						
		91.4 - 93.0 " " py 15, Pb 2n 7	1.5/1.6	38	91.4	93.0	1.6	1.68	2.95	32.23		↓	2.688	4.72	51.568	
		93.0 - 94.5 " " , massive sulphide 94.0-94.1, Py 15, Pb 2n 5	1.0/1.5	39	93.0	94.5	1.5	1.68	3.10	37.37			2.52	4.65	56.055	
		94.5 - 96.0 " " , Py 20, Pb 4	0.8/1.5	1840	94.5	96.0	1.5	.80	4.10	13.03			1.20	6.15	19.545	
		96.0 - 97.5 " " , Py 10, Pb 2n 6	1.4/1.5	41	96.0	97.5	1.5	1.43	2.53	20.23		0	2.15	3.80	30.35	P
		97.5 - 99.1 " " , Py 10, Pb 2n 5	1.5/1.5	42	97.5	99.1	1.6/1.5	.08	.65	5.14		0	0.13	1.04	8.22	P
		99.1 - 100.6 " " , Py 10, Pb 2n 6	1.5/1.5	43	99.1	100.6	1.5	.35	1.50	8.91		0	0.53	2.25	13.37	P

LOGGED BY _____ D.D.H. Nº _____ PAGE 6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		100.6 - 101.0 - massive sulphide 100.6 - 102.1 as above Py 10, Pb Zn 6	1.3/1.5	1844	100.6	102.1	1.5	4.50	12.71	90.86			6.75	19.065	136.29	
		102.1 - 103.6 " " Py 30, Pb Zn 12	1.4/1.5	45	102.1	103.6	1.5	6.90	10.86	106.97			10.35	16.29	160.455	
		103.6 - 104.6 " " Py 30, Pb Zn 8	1.0/1.0	1846	103.6	104.1	0.5						0.495	1.600	11.145	P
					103.6	104.6	1.0	.99	3.20	22.29		O →	0.99	3.20	22.29	
104.6	108.8	Sericite Phyllite	2.1/4.2	Wt. Av.	100.6	104.6	4.0	4.52	9.64	79.8			18.09	38.56	319.04	
				Wt. Av.	100.6	104.1	3.5	5.03	10.56	87.97			17.595	36.955	307.89	
		dark grey - black, well foliated, F_2 = 70°, talcy		W. Av.	100.6	103.6	3.0	5.70	11.78	98.91		O	17.10	35.355	296.745	
		fissile incompetent, 105.9 - 106.4 strongly		W. Av.	91.4	96.0	4.6	1.39	3.37	27.64		O	6.408	15.52	127.168	A
		sheared, 107.2 - 107.4 qtz. vein strongly		Wt. Av.	85.8	91.4	5.6	1.41	Pb-Zn				7.886	Pb Zn		P
		fractured and broken, 107.4 - 108.8 F_2		Wt. Av.	91.4	104.6	13.2	2.07					27.31			
		changes to 10°		Wt. Av.												
	108.8	End of Hole														

Tyhee = HP.

DIAMOND DRILL RECORD

LOGGED BY Glenn Jetté

D.D.H. Nº 76 U-41 PAGE 1/6

PROPERTY Crum Joint Venture (Underground)

LATITUDE 10769.061 +6 N

DEPARTURE 7590.681 +0.6 W

ELEVATION 1144.633

STARTED March 12/76

COMPLETED March 15/76

PROPOSED DEPTH

ULTIMATE DEPTH 97.5

HOLE SURVEY:

DEPTH	BEARING	DIP
collar	44°-25½'	-46°17'
100' (30.4m)	068°	-46°
200' (60.1)	060°	-49°
295' (89.9)	032°	-52°

CLAIM Nº

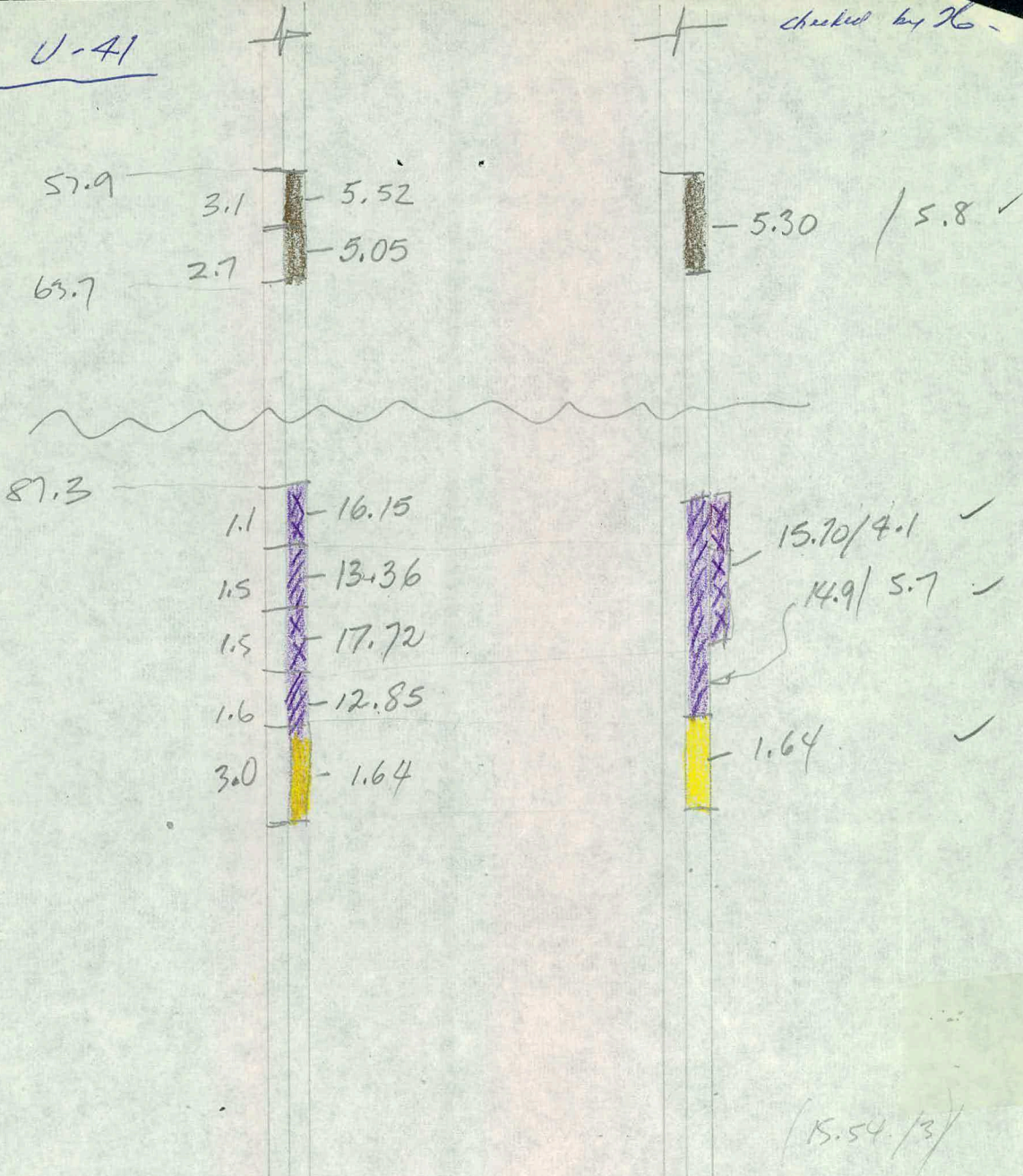
N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	16.4	Sericite Chlorite Phyllite ± Biotite	16.0/16.4												
		dark green, modt. foliated F_2 : 35° ± 5° locally													
		absent, F_1 generally distinct @ 10° ± 5°;													
		competent, fracturing @ 80°, 5°, 0.5%													
		sulphide locally as stringer - disseminate													
		(parallel F_2) or confined to qtz. veins,													
		details													
		0.-0.5 as above fractured and broken													
		0.5-0.8 Chlorite Biotite Phyllite competent.													
		0.8-9.1 Sericite Chlorite Phyllite, competent													
		9.1-10.7 Chlorite Phyllite massive texture													
		10.7-14.8 Sericite Chlorite Phyllite													
		14.8-15.6 Chlorite Biotite Phyllite													
		15.6-16.2 Sericite Chlorite Phyllite													
		16.2-16.4 Quartz Vein @ 10° milky white													
16.4	37.4	Quartz Sericite Phyllite													
		dark grey, well foliated, F_2 = 30°, F_1 locally													

U-41

checked by JG



(15.54/3)

LOGGED BY GJ D.D.H. NO U-41 PAGE 2/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		evident @ 90° to F_2, ~~tightly~~ drag folded and offset along F_2, competent, minor parting along F_2, details													
		16.4-21.5 as above competent	5.0/5.1												
		21.5-22.1 qtz vein milky white fractured @ 70°, 30° 5° with 5% sulphide po, py, as irregular stringers	0.6/0.6												
		22.1-25.2 Quartz Sericite Phyllite, competent	3.0/3.1												
		25.2-25.9 as above sheared fissile	0.5/0.7												
		25.9-30.2 as above competent	3.8/4.3												
		30.2-30.6 as above sheared	0.3/0.4												
		30.6-37.4 as above competent, second contact @ qtz. vein 2cm wide @ 70°	6.8/6.8												
37.4	42.7	Bleached Sericite with Sulphides pale green, well foliated @ 40°, 5% sulphide as diss. in qtz. rich bands, py ± sph.; generally competent parting along F_2 common av. interval 5cm.													
42.7	63.7	Sericite Phyllite with Sulphides dark grey, mod-well foliated, F_2 = 40°; F_1 locally distinct @ 90° to F_2, sulphide av. 10% as diss. in qtz rich bands or fine													

LOGGED BY _____ D.D.H. Nº U-41 PAGE 3/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		bands, generally follow F_2 structure, locally parallel F_1; competent, fracturing @ 70° and 30°, details													
		42.7 - 45.7 as above fractured and broken, Py 5 PbZn 1	1.9/3.0	—	42.7	45.7	3.0								
		45.7 - 48.8 as above competent Py 6, PbZn 2	3.0/3.1	—	45.7	48.8	3.1								
		48.8 - 51.8 as above competent Py 8, PbZn 2	2.5/3.6	—	48.8	51.8	3.0								
		51.8 - 54.9 as above competent Py 7, PbZn 2	3.1/3.1	—	51.8	54.9	3.1								
		54.9 57.9 " " " Py 3 PbZn 1	3.0/3.0	—	54.9	57.9	3.0								
		57.9 - 61.0 " " " Py 6 PbZn 3	3.1	1847	57.9	61.0	3.1	2.02	3.50	24.34			6.262	10.85	75.454
		61.0 - 63.7 " " " Py 5, PbZn 3	2.5	1848	61.0	63.7	2.7	1.90	3.15	25.37			5.13	8.505	68.499
		63.4 - 63.7 sheared sericite phyllite, pale green - transition into fault zone													
				W. Av.	57.9	63.7	5.8	1.96	3.34	24.82			11.392	19.355	143.953
63.7	66.8	Fault Zone													
		63.7 - 64.5 Bleached Sericite Phyllite, pale green, sheared, talcy, F_2 = 45°	0.6/0.8												
		64.5 - 65.8 Fault gouge pale green mud (sericite rich) with fragments of bleached phyllite av. 2mm. range to 1cm.	0.4/1.3												
		65.8 - 66.8 Bleached Sericite Phyllite, F_2 = 30°, fissile ⇒ sheared, incompetent.	0.6/1.0												
66.8	75.8	Quartz Sericite Phyllite dark grey, well foliated, F_2 = 60° ± 10°	7.6/9.0												

P.

LOGGED BY JJ D.D.H. Nº U-41 PAGE 4/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		generally competent, F_1 locally evident @ 10°, minor fracturing @ 40°, 30°, parting along F_2 common interval av. 5cm details													
		66.8-67.1 as above bleached pale green													
		67.1-67.9 as above competent													
		67.9-68.4(?) as above sheared incompetent													
		68.4-69.7 as above competent													
		69.7-70.1 as above sheared incompetent													
		70.1-75.4 as above competent.													
		75.4-75.8 qtz vein with inclusions of sericite phyllite													
75.8	82.4	Bleached Sericite Phyllite with Sulphide pale blue green, well foliated, F_2 = 70°, F_1 rarely evident @ 10° offset along F_2, competent minor fracturing @ 60°, 5°, 5% sulphide, py, tr sph., as diss. in qtz rich bands	5.6/6.6												
82.4	87.1	Quartz Vein, milk white, competent fracturing @ 40° and 70°, 5°, trace sulphides locally as fine diss. py gal sph,	4.7/4.7												

LOGGED BY _____ D.D.H. No U-41 PAGE 5/6

Interval From	Interval To	DESCRIPTION	Py	Zn	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
87.3	91.8	Massive Sulphide Zone																
		generally competent, fracturing @ 70° and 40°, 5°, locally banded @ 65° ±5° details																
		87.1-87.3 massive sulphide with 10%																
		inclusions of qtz fragments av.	60	18	1.0/	1849	87.3	88.4	1.1	6.08	10.07	93.94			6.688	11.077	103.334	
		2mm diameter range to >2cm diam.	60	+18	1.5/	50	88.4	89.9	1.5	5.78	7.58	90.86			8.67	11.37	136.29	
		87.3-87.6 bleached phyllite, sheared	60	18	1.5/	51	89.9	91.4	1.5	7.81	9.91	118.99			11.715	14.865	178.455	
		incompetent, kaolin rich, 10%	70	15	1.3/	52	91.4	93.0	1.6	3.60	9.25	62.40			5.76	14.8	99.84	
		sulphide	6	1	2.5/	1853	93.0	96.0	3.0	.59	1.05	9.94						P
		87.6-88.3 massive sulphide granular																
		~~Poro~~ porous banding @ 75°				W.Av.	87.3	93.0	5.7	5.76	9.14	90.86			32.833	52.112	517.919	plot
						"	87.3	91.4	4.1	6.60	9.10	101.97			27.073	37.312	418.079	P
		88.3-88.8 massive sulphide, breccia																
		fragment. av. 1cm well healed																
		by sulphide																
		88.8-90.1 massive sulphide, porous granular																
		banding @ 70°																
		90.1-90.4 massive sulphide breccia, as																
		described above, second contact @ 15°																
		90.4-90.9 massive sulphide, porous granular																
		banding @ 60°																
		90.9-91.8 massive sulphide breccia																
		fragments av. 0.5 cm, matrix of																

LOGGED BY _____ D.D.H. Nº U-41 PAGE 6/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		fine grain sulphide, qtz, and carbonate.													
91.8	93.5	Quartz Sulphide with graphite mod foliation @ 70°, 10% graphite, 20% sulphide py - 8 pbZn6, (included in above samples), fractured and broken.	1.5/1.7												
93.5	97.5	Bleached Phyllites pale yellow, mod foliation F_2 = 70° ±5° details													
		93.5 - 93.8 bleached sericite phyllite, fissile incompetent 5% py tr. sph.	0.2/0.3												
		93.8 - 94.1 Kaolin - Fushite alt zone, competent.	0.3/0.3												
		94.1 - 95.6 bleached sericite phyllite, fissile sheared in part with 6% py 1% PbZn	1.0/1.5												
		95.6 - 97.5 Kaolin fushite alt zone fractured and broken, fragments of qtz in last 5cm of core	0.4/1.9												
	97.5	End of Hole, squeezing rods near bottom of hole.													

Typed = MP

(Cards to do ✓ — Work checked by JC

DIAMOND DRILL RECORD

LOGGED BY Glenn Jetu

D.D.H. No 76 U-42 PAGE 1/3

PROPERTY Grum Joint Venture (Underground)

LATITUDE 10767.688 (+4.5) STARTED March 15/76

DEPARTURE 7590.105 (+00W) COMPLETED March 16/76

ELEVATION 1148.632 PROPOSED DEPTH

ULTIMATE DEPTH 53.3

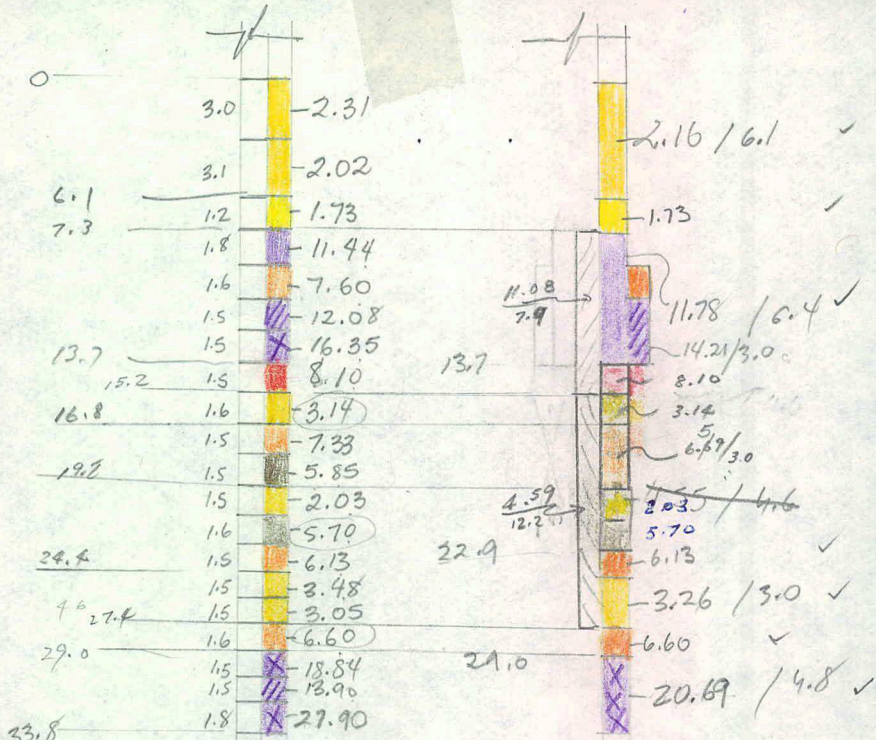
CLAIM No

HOLE SURVEY:		
DEPTH	BEARING	DIP
~~53.3~~	~~112 0445~~	~~+68~~
collar	45°29'33"	+68°18'
	~~Specification~~	
No	~~Acute~~	survey
H.D. = 19.71 V.D. = 49.52 (11		98.16 Ft.)

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Py	Pb Zn	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
0	33.8	Sulphide Zone, Massive and Quartz Sulphide	4	2	1.7/3.0	1854	0	3.0	3.0	.93	1.38	13.03			2.79	4.14	39.09	
		0-29.6 Quartz Sulphide with Sericite and Graphite	5	2	3.1/	55	3.0	6.1	3.1	.79	1.23	12.00			2.449	3.813	37.20	
		10% sericite, 2-5% graphite, 25±5%	4	1	1.2/	56	6.1	7.3	1.2	.90	.83	13.03						P.
		sulphides, mod. foliation F_2 = 85°,	10	8	1.8/	57	7.3	9.1	1.8	5.95	5.49	70.63			10.71	9.882	127.134	
		F_1 locally evident @ 90° to F_2; sulphide	10	8	1.6/	58	9.1	10.7	1.6	2.85	4.75	42.51			4.56	7.60	68.016	P
		as. diss in qtz rich bands, mainly	10	10	1.5/	59	10.7	12.2	1.5	4.10	7.98	62.40			6.15	11.97	93.6	
		parallel F_2, locally follow F_1; competent	10	10	1.5/	1860	12.2	13.7	1.5	6.41	9.94	87.77			9.615	14.91	131.655	
		minor fracturing @ 30°, 15°; Kaolin	10	7	1.5/	61	13.7	15.2	1.5	3.45	4.65	45.26			5.175	6.975	67.89	P
		Fault alt zones @ - 1.0-1.4, 2.0-2.4,	6	3	1.5/1.6	62	15.2	16.8	1.6	1.14	2.00	19.20		↓	1.824	3.20	30.72	P
		3.2-3.3, 3.6-3.8, 16.0-16.5; Chlorite	10	7	1.5/	63	16.8	18.3	1.5	2.60	4.73	36.34	]		3.90	7.095	54.51	
		Calcite phyllite 4.9-5.5 defining	10	8	1.5/	64	18.3	19.8	1.5	2.00	3.85	27.43	]		3.00	5.775	41.145	
		F_1 fold nose, first, second contacts	8	5	1.5/	1865	19.8	21.3	1.5	.68	1.35	12.00			1.02	2.025	18.00	P
		@ 85°; second contact of qtz.	10	6	1.5/1.6	66	21.3	22.9	1.6	2.20	3.50	31.20			3.52	5.6	49.92	P
		sulphide gradational	8	6	1.5/	67	22.9	24.4	1.5	2.13	4.00	30.17			3.20	6.00	45.26	P
		29.6-33.8 Massive Sulphide	8	5	1.5/	68	24.4	25.9	1.5	1.58	1.90	22.29	]		2.37	2.85	33.435	
		generally competent, fracturing	10	4	1.5/	69	25.9	27.4	1.5	1.25	1.80	18.17	]	4	1.875	2.70	27.255	
		@ 40° and 30°, 80°, 5°, locally	10	8	1.4/1.6	1870	27.4	29.0	1.6	2.70	3.90	42.51						P



HOLE U-42

+68°, 53.3'

Wm Hr. Checked by

$\frac{27.87}{6} = 4.65$

$\frac{8.84}{2} = 4.42$

4.55

LOGGED BY SJ D.D.H. Nº U-42 PAGE 2/3

Interval From	Interval To	DESCRIPTION	Py	Pb2n	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		faint banding @ 65° ± 5°, details	20	11	1.5/	1871	29.0	30.5	1.5	6.33	12.51	91.89			9.495	18.765	137.835	
		29.6 - 30.1 as above, with inclusions of	70	12	1.5/	72	30.5	32.0	1.5	4.90	9.00	82.63			7.35	13.5	123.945	
		qtz. sulphide	60	+18	1.3/	1873	32.0	33.8	1.8	8.98	18.92	156.34			16.164	34.056	281.412	
		30.1 - 32.5 as above, faintly banded																
		32.5 - 33.8 as above, with 10% inclusions				WrAv.	0	6.1	6.1	0.86	1.30	12.5			5.239	7.953	76.29	P
		of qtz. sulphide and sericite				WrAv.	7.3	13.7	6.4	4.85	6.93	65.68		0	31.035	44.362	420.405	P
		phyllite			OR	WrAv.	10.7	13.7	3.0	5.25	8.96	66.51			15.765	26.88	199.545	P
		second contact @ 90° sharp.				WrAv	16.8	19.8	3.0	2.30	4.29	31.88			6.90	12.870	95.655	P
						WrAv.	29.0	33.8	4.8	6.87	13.8	113.15			33.009	66.321	543.122	P
						"	24.4	27.4	3.0	1.41	1.85	20.23			4.245	5.55	60.690	P
33.8	37.7	Sericite Phyllite			3.4/3.9	"	7.3	15.2	7.9	4.58	6.50	61.81			36.22	51.34	488.30	
						"	15.2	27.4	12.2	1.70	2.89	24.61			20.71	35.26	300.26	
		grey - black, well foliated @ 70°, F,																
		present but strongly contorted and																
		crenulated, talcy, competent minor																
		fracturing @ 10°, 45°																
37.7	44.0	Quartz Sericite Phyllite			6.3/6.3													
		silvery grey - dark grey, well foliated, F_2 = 60° ± 10°,																
		competent, details																
		37.7 - 40.7 as above, dark grey																
		40.7 - 41.5 as above, pale white to buff with																
		muscovite																
		41.5 - 43.3 as above, dark grey																

LOGGED BY JJ D.D.H. No U-42 PAGE 3/3

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		43.3-43.8 as above light grey-green.													
		43.8-44.0 chlorite phyllite dark green massive													
44.0	53.3	Sericite Calcite ± Chlorite Phyllite dark green grey well foliated $F_2 = 65°$, competent, 15 ± 5 % calcite details													
		44.0-45.0 sericite calcite phyllite													
		45.0-46.5 sericite calcite chlorite phyllite													
		46.5-53.3 sericite calcite phyllite locally traces of chlorite													
	53.3	End of Hole													

Typed + HP. wt in, checked by JE.

DIAMOND DRILL RECORD

LOGGED BY Glenn Jetté

D.D.H. Nº 76 U 43 PAGE 1/3

PROPERTY Grum Joint Venture (Underground)

LATITUDE ~~10826.65~~ 7588.511 M (GRID 3N)

DEPARTURE ~~7645.3~~ 1148.756 M (74W)

ELEVATION ~~443.3~~

STARTED March 16 | 76

COMPLETED March 17 | 76

PROPOSED DEPTH

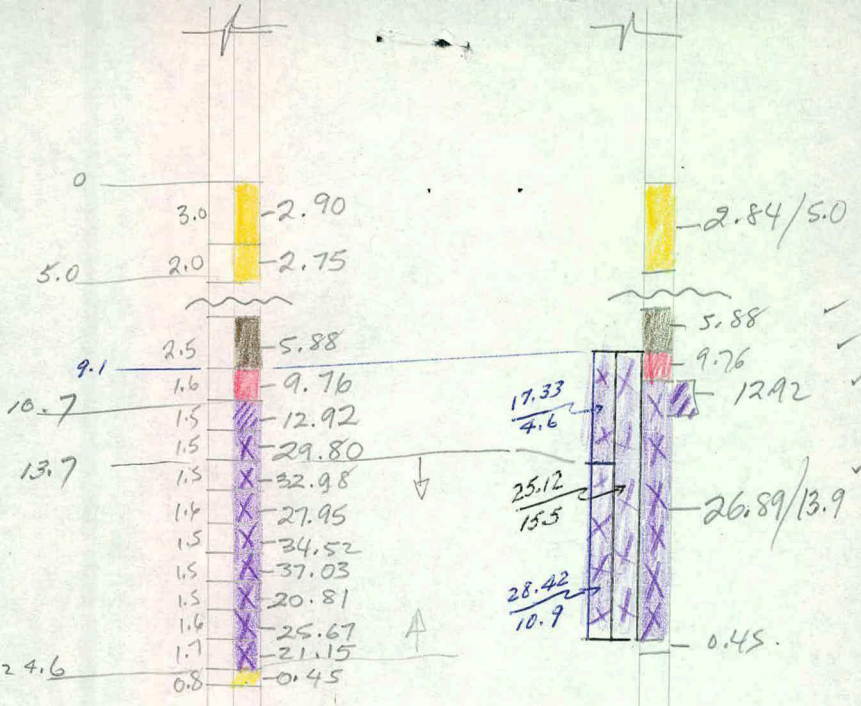
ULTIMATE DEPTH 45.7

CLAIM Nº

HOLE SURVEY:		
DEPTH	BEARING	DIP
~~45.7~~	~~Apt 206~~	~~-90~~
Collar	~~206° 00'~~ 206° 33' 54"	89°15'
	Suspension ~~up hole~~ survey	
H.D. = 45.66 (V.D. = 40.08 Ft.)		

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Py	Pbzn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
0	24.6	Sulphide Zone	9	4	2.2/	1874	0	3.0	3.0	1.15	1.75	14.06			3.45	5.25	42.18	
		inter banded qtz sulphide, massive sulphide	8	3	2.0/	75	3.0	5.0	2.0	1.35	1.40	17.14			2.70	2.80	34.28	
		and kaolin alt zones, competent fractures			1.4/1.6	—	(kaol - fusl.) 5.0	6.6	—									P
		@ 30° and 70°, F_2 (where present) = 85°	10	4	2.5/	1876	6.6	9.1	2.5	2.88	3.00	35.31						P
		F_1 generally not distinct locally @ 90° to	10	6	1.6/	77	9.1	10.7	1.6	4.55	5.21	53.49			7.28	8.336	85.584	P
		F_2 but variable ca 0-30° details	30	8	1.5/	78	10.7	12.2	1.5	4.78	8.14	72.69			7.17	12.21	109.035	
		0-13.1 Quartz Sulphide with Sericite and Graphite	40	14	1.5/	79	12.2	13.7	1.5	10.78	19.02	166.29		+o	16.17	28.53	249.435	A
		light green to grey, 20% sericite, 2-5% graphite, (F1 fold nose @ 8.7)	60	20	1.5/	1880	13.7	15.2	1.5	11.93	21.05	173.49			17.895	31.575	260.236	
		mod foliation F_2:85, sulphides	60	20	1.6/	81	15.2	16.8	1.6	9.80	18.15	145.03			15.68	29.04	232.048	
		15 ± 5%, follow mainly F_2 structure, ~~fracture~~	60	18	1.5/	82	16.8	18.3	1.5	12.61	21.91	224.92			18.915	32.865	337.38	
		@ 1.4-1.5, 4.3-4.4 kaolin fusl alt zone	65	16	1.5/	83	18.3	19.8	1.5	14.30	22.73	177.60			21.450	34.095	266.40	
		3.0-5.0 kaol. fusl alt zone.	50	16	1.5/	84	19.8	21.3	1.5	8.05	12.76	115.89			12.075	19.14	173.835	
		13.1-20.7 Massive Sulphide	70	14	1.6/	1885	21.3	22.9	1.6	9.43	16.24	143.32			15.088	25.984	229.312	
		locally faint banding @ 50° ± 10°, first	70	15	1.7/	86	22.9	24.6	1.7	7.28	13.87	117.94			12.376	23.579	200.498	A
		second contacts gradational, F_1 fold noses	2	0.2	0.8/	1887	(hanging wall) 24.6	25.4	0.8	.15	.30	4.11						
		defined by qtz sulphide @ 16.4, 17.6.				W.Av	9.1	24.6	15.5	9.29	15.53	138.31			144.099	245.354	2143.762	P.
		20.7-21.8 Quartz Sulphide with Sericite and Graphite				W.Av	0	5.0	5.0	1.23	1.61	15.29			6.15	8.05	76.46	P.



HOLE U.43

checked by PG

143.989 249.228
136.819 234.018

LOGGED BY SJ D.D.H. Nº U-43 PAGE 2/3

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		as described above, F_1 fold nose @ 21.0		WT AV	9.1	13.7	4.6	6.66	10.67	96.53			30.620	49.076	444.054
		21.8-24.6 Massive Sulphide faint banding		WT AV	13.7	24.6	10.9	10.41	18.01	155.94			113.479	196.278	1699.708
		@ 40° but very irregular in part., second		WT AV	9.1	12.2	3.1	4.66	6.63	62.78			14.45	20.55	194.61
		contact @ 50° (sharp) fold noses		WT AV	12.2	24.6	12.4	10.46	18.13	157.19			129.65	224.81	1949.13
		(poorly defined) @ 22.4, 23.8													
24.6	31.8	Quartz Sericite Phyllite	7.2/7.2												
		dark grey black, well foliated F_2 = 85 ± 5°,													
		second contact @ 85°. details													
		24.6-25.5 as above, traces of graphite,													
		irregular stringers of qtz-carb veinlets													
		common													
		25.5-25.8 as above, sheared ⇒ pulverized													
		Fault gouge 25.7-25.8 sericite													
		(dark grey) rich mud with grains													
		of phyllite av. 1mm. diam.													
		25.8-31.8 as above, competent.													
31.8	34.4	Chlorite Calcite Sericite Phyllite	2.6/2.6												
		dark green, mod foliation, F_2 = 80°, competent													
		15% calcite, @ 33.0-33.1 F_1 distinct @													
		90° to F_2.													
34.4	45.7	Sericite Calcite ± Chlorite Phyllite	11.3/11.3												
		dark grey to green, well foliated F_2 = 85°													

LOGGED BY SJ D.D.H. Nº U-73 PAGE 3/3

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		Calcite - 15 ± 5%, generally competent sheared phyllite av. 5cm wide @ 34.5, 38.0, 40.0, 43.8, and 45.2 details													
		34.4 - 36.0 Sericite Calcite Phyllite													
		36.0 - 36.5 Chlorite Calcite Sericite Phyllite													
		36.5 - 40.9 Sericite Calcite Phyllite													
		40.9 - 42.5 Chlorite Calcite ± Sericite Phyllite													
		42.5 - 43.5 Sericite Calcite Phyllite													
		43.5 - 45.7 Chlorite - Sericite ± calcite Phyllite pale green to buff, calcite - 1-2% slightly bleached.													
	45.7	End of Hole													

Typed = WP.

Location to be surveyed

All the checked by ZC.

DIAMOND DRILL RECORD

LOGGED BY Glenn Teta

D.D.H. No 76-U 44 PAGE 1/4

PROPERTY Grum Joint Venture (Underground)

LATITUDE 10767.~~80~~ 796 | 3~~00~~ +20N

DEPARTURE 7587.310 | 7~~40~~ +1.5W

ELEVATION 1148.788

STARTED March 17/76

COMPLETED March 17/76

PROPOSED DEPTH

ULTIMATE DEPTH 45.7

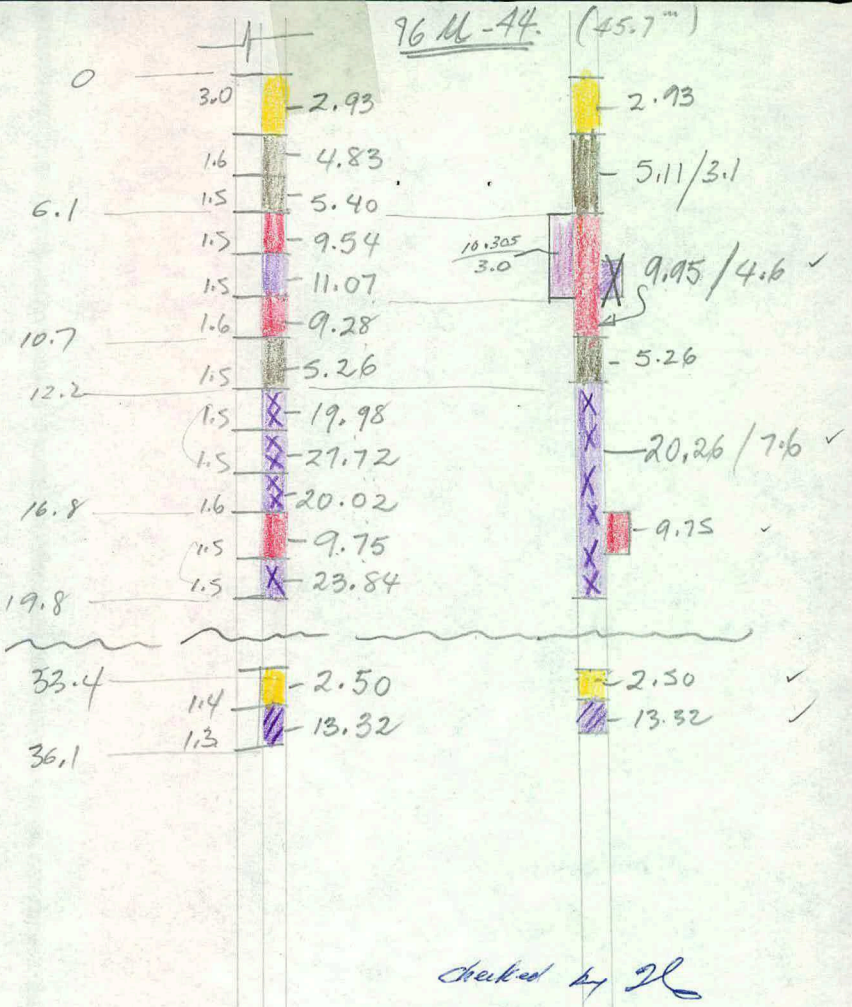
HOLE SURVEY:		
DEPTH	BEARING	DIP
0	235° 57' 00"	+60° 46'
collar	~~Azt 236.~~	+58°
No	Survey for survey.	
N.D. =	22.32	
N.D. =	39.89 (11	88.66 FL.)

CLAIM No

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Py	Pb2n	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
0	19.8	Sulphide Zone. interbanded qtz	8	2	2.1/3.0	1888	0	3.0	3.0	1.23	1.70	17.14						P
		sulphide and Massive sulphide	6	1	1.6/	89	3.0	4.6	1.6	2.43	2.40	29.14			3.888	3.84	46.624	
		0-13.5 Quartz Sulphide with Sericite	8	5	1.5/	189.0	4.6	6.1	1.5	2.20	3.20	25.37			3.30	4.80	38.055	
		and Graphite,	6	6	1.3/1.5	91	6.1	7.6	1.5	4.35	5.19	52.46			6.525	7.785	78.69	
		dark grey black, mod-poor foliation	8	7	1.5/	92	7.6	9.1	1.5	3.90	7.17	48.34			5.85	10.755	72.51	
		F_2 = 40°±10° (locally absent) F_1	6	7	1.6/	93	9.1	10.7	1.6	3.10	6.18	40.46			4.96	9.888	64.736	
		generally evident @ 5°±5°, sulphides	15	2	1.5/	94	10.7	12.2	1.5	1.93	3.33	31.20						P
		av. 20% follow either F_1 or F_2,	30	10	1.5/	1895	12.2 ~~13.7~~	13.7	1.5	7.94	12.24	114.17			11.61	18.36	171.255	
		graphite 5-10%, sericite 25%,	50	15	1.4/1.5	96	13.7	15.2	1.5	10.86	16.86	169.37			16.29	25.29	254.055	
		fracturing @ 5°, 70° details	70	16?	(0.4)/1.6	97	15.2	16.8	1.6	6.16	13.86	89.83			9.856	22.176	143.728	
		0-0.5(?) qtz sulphide with bleach sericite	75	12	1.4/1.5	98	16.8	18.3	1.5	3.90	5.85	60.34			5.85	8.775	90.51	P.
		0.5-1.0(?) kaolin fushite alt zone	65	16	1.2/1.5	1899	18.3	19.8	1.5	8.60	15.24	133.03			12.9	22.86	199.545	
		core badly broken - as coarse gravel																
		1.0-6.6 qtz sulph. with sericite and graph.				W. Av.	3.0	6.1	3.1	2.32	2.79	27.31			7.188	8.64	84.679	P.
		~~F~~ broken fractured, common				"	6.1	10.7	4.6	5.77	6.18	46.94			17.335	28.428	215.936	P
		parting along F_2, F_2 erratic				"	12.2	19.8	7.6	7.43	12.83	113.04			56,506	97.461	859.093	
		30° - 90°				"	6.1	9.1	3.0	4.12	6.18	50.4			12.375	18.540	151.20	P


96 M-44. (45.7 m)
0
3.0
2.93
1.6
4.83
1.5
5.40
6.1
1.5
9.54
1.5
11.07
1.6
9.28
10.7
1.5
5.26
12.2
1.5
19.98
1.5
21.72
1.6
20.02
16.8
1.5
9.75
1.5
23.84
19.8
33.4
1.4
2.50
1.3
13.32
36.1
2.93
5.11/3.1
10.305
3.0
9.95/4.6
5.26
20.26/7.6
9.75
2.50
13.32
checked by

LOGGED BY SJ D.D.H. No U-44 PAGE 2/4

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		6.6 - 13.5 - as above competent.													
		13.5 - 19.8 Massive Sulphide, locally banding @ 80°, fracturing common @ 15°, 30° and 60°, 80° details													
		13.5 - 15.7 as above with inclusions of qtz. sulphide (+ sericite + graphite) competent.													
		15.7 - 18.1 as above, breccia, fragments of sulphide av. 2mm range > 2cm in matrix of fine grain sulphide fractured and broken.													
		18.1 - 19.4 - as above, banding @ 80° competent													
		19.4 - 19.8 as above, 20% inclusions of qtz and qtz sulphide.													
19.8	21.6	Quartz Sericite Phyllite	1.6/1.8												
		dark grey - black, well foliated F_2 = 85°, talcy in part, generally competent													
		19.8 - 20.0 as above sheared													
21.6	25.8	Sericite Calcite Phyllite	4.2/4.2												
		dark grey - black, well foliated F_2 = 90°													
		10 - 15% calcite competent, first													

LOGGED BY _____ D.D.H. Nº _____ PAGE 3/4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		contact gradational														
25.8	28.4	Chlorite Calcite Sericite Phyllite	2.4/2.6													
		dark grey-green, well foliated @ 80°,														
		25% chlorite, 20% calcite, competent.														
		first second contacts gradational														
28.4	31.2	Sericite Calcite ± Chlorite Phyllite	2.5/2.8													
		dark green to grey, well foliated @ 90°, competent														
		minor fracturing @ 10°, 15-20% calcite,														
		30.0-30.5 chlorite rich;														
31.2	33.4 ~~34.2~~	Quartz Sericite Phyllite	1.5/2.2													
		pale grey, well foliated F_2 = 90°, fissile														
		in part., first second contacts gradational,														
		qtz veins av. 10cm wide, @ 90°, @														
		32.8 and 33.5, 33.6-34.2 kaolin alt														
		zone with trace sulphide, broken and														
		fractured, incompetent.														
33.4 ~~34.2~~	36.1	Sulphide Zone, interbanded massive														
		sulphide and qtz sulphide ± sericite ± kaolin														
		33.4 ~~34.2~~ - 34.8 qtz sulphide with bleached sericite	1.0/1.4													
		F_1(?) = 10°, fractured, incompetent Py 15 Pb 2 Zn 4		1900	33.4	34.8	1.4	1.35	1.15	21.26			1.89	1.61	29.76	P
		34.8-36.1 Massive Sulphide Py 60, Pb 2 Zn 16	1.1/1.3	1901	34.8	36.1	1.3	7.37	5.95	89.83			9.58	7.74	116.78	P
		banding @ 80°, competent, 35.8-36.1		WT. AV. ~~1901~~	33.1 ~~34.8~~	36.1 ~~36.1~~	3.0	3.82	3.12	48.9			11.47	9.35	146.54	

LOGGED BY BJ D.D.H. Nº U-44 PAGE 4/4

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		qtz sulphide with kaolin, $F_2 = 90°$													
		F_1 @ 90° to F_2.													
36.1	39.1	Quartz Sericite Phyllite	2.7/3.0												
		dark grey black, well foliated @ $F_2 = 90°$													
		F_1 locally evident @ 90° to F_2 and drag													
		folded. competent, locally talcy.													
39.1	43.8	~~Quartz~~ Sericite Calcite Phyllite	4.7/4.7												
		dark grey, well foliated, $F_2 = 90°$, generally													
		competent minor fracturing @ 10°, calcite													
		15%													
43.8	45.7	Chlorite Calcite Sericite Phyllite	1.9/1.9												
		dark grey green, well foliated $F_2 = 90°$													
		F_1 locally @ 90° to F_2, competent, calcite													
		20%, chlorite 25%													
	45.7	End of Hole.													

Typed = WP.

(catch to do) ✓ all thru checked by JB.

DIAMOND DRILL RECORD

LOGGED BY Glenn Jetté

D.D.H. No 76U-45 PAGE 1/6

PROPERTY Grum Joint Venture (Underground)

LATITUDE * ~~10826.65~~ 10831 | 28.8 5+25.5N — STARTED March 18/76

DEPARTURE * ~~7645.3~~ 7647 | 23 14+10W — COMPLETED March 19/76

ELEVATION * 1143.3 m — PROPOSED DEPTH

* Approximated. — ULTIMATE DEPTH 62.5 m

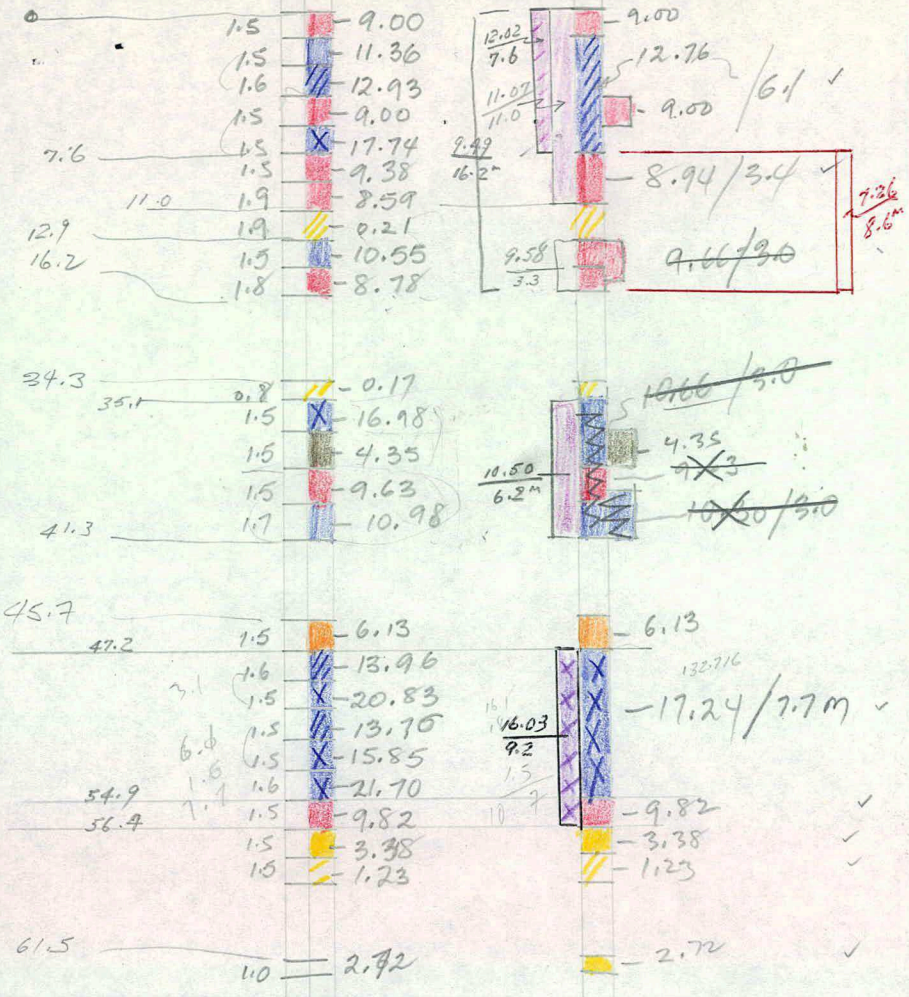
HOLE SURVEY:		
DEPTH	BEARING	DIP
~~62.5~~	~~Az 044~~	(-80°)
Collar *	44000'	
No down-hole survey		

CLAIM No

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION			Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	16.2	Sulphide Zone, qtz. sulphide and massive	15	10?	~~0.5~~	1902	0	1.5	1.5	2.75	6.25	48.34		—	4.125	9.375	72.510
		sulphide	15	14	1.3/	1903	1.5	3.0	1.5	4.68	6.65	65.49			7.02	10.02	98.235
		0 - 11.0 Quartz sulphide with Sericite	20	8	1.6/	04	3.0	4.6	1.6	7.19	5.74	75.77			11.504	9.184	121.232
		poor foliation F_2 = 70° ± 10° defined	20	10	1.5/	1905	4.6	6.1	1.5	4.40	4.60	53.49			6.60	6.90	80.235
		by sulphide banding and sericite	15	14	1.5/	06	6.1	7.6	1.5	6.47	11.27	97.72	↑		9.705	16.905	146.58
		alignment, competent, very	12	8	1.5/	07	7.6	9.1	1.5	2.37	7.01	39.43			3.555	10.515	59.145
		siliceous, 5-10% sericite, 20 ± 10%	15	11	1.8/	08	9.1	11.0	1.9	2.80	5.79	48.34			5.32	11.001	91.846
		sulphide, F_1 locally evident	2	0.1	1.9/	09	11.0	12.9	1.9	0.03	0.18	1.03			0.057	0.342	1.957
		(very faint) @ 40° to F_2.	30	15	1.5/	10	12.9	14.4	1.5	3.90	6.65	54.51			5.85	9.975	81.765
		11.0 - 12.9 - Bleached Sericite Phyllite	40	12(?)	1.6/	1911	14.4	16.2	1.8	2.30	6.48	38.40			4.14	11.664	69.12
							Wt Av	0	16.2	16.2	3.57	5.92	50.78			57.871	95.881	822.625
		well foliated F_2 = 85°, pale yellow					Wt Av	0	11.0	11.0	4.35	6.72	60.89			47.824	73.900	669.733
		2% sulphide, competent.					W. Av.	1.5	7.6	6.1	5.71	7.05	73.16		—	34.829	43.009	446.282
		11.0 - 11.2 - fissile sheared (@					" "	7.6	11.0	3.4	2.61	6.33	44.41			8.875	21.516	150.991
		contact).					" "	12.9	16.2	3.3	3.02	6.56	45.72			9.99	21.639	150.885
							" "	0	7.6	7.6	5.13	6.89	69.26			38.954	52.384	518.792
		12.9 - 13.7 Quartz sulfide as described above.					" "	7.6	16.2	8.6	2.20	5.06	35.33			18.922	43.497	303.833
		13.7 - 13.1 - 13.3 bleached sericite phyllite															
		sheared ⇒ fissile															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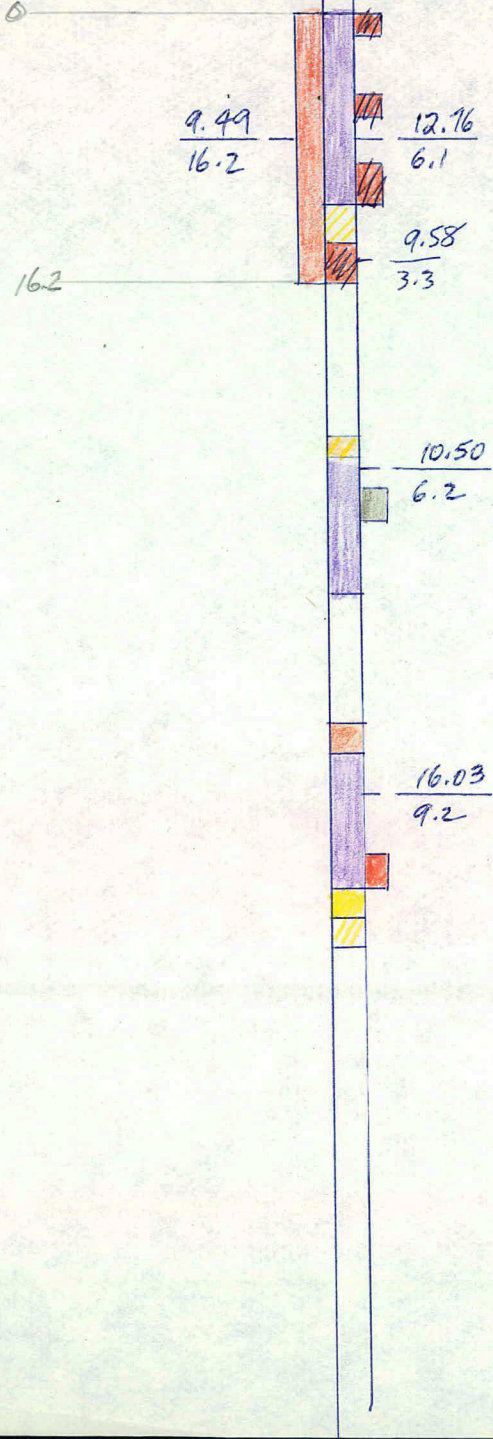
1.5 9.00
1.5 11.36
1.6 12.93
1.5 9.00
7.6
1.5 17.74
1.5 9.38
11.0
1.9 8.59
12.9
1.9 9.21
16.2
1.5 10.55
1.8 8.78
12.02/7.6
11.07/11.0
9.49/16.2
9.58/3.3
9.00
12.76
9.00
/6.1 ✓
8.94/3.4 ✓
7.2/8.6
9.66/3.0
34.3
35.1
0.8 0.17
1.5 16.98
1.5 4.35
1.5 9.63
41.3
1.7 10.98
10.50/6.2
4.35
4.35 X 3
10.60/3.0
45.7
47.2
1.5 6.13
1.6 13.96
1.5 20.83
1.5 13.76
1.5 15.85
1.6 21.70
54.9
56.4
1.5 9.82
1.5 3.38
1.5 1.23
6.13
16.03/9.2
17.24/7.7m ✓
9.82 ✓
3.38 ✓
1.23 ✓
61.5
1.0 2.72
2.72 ✓
checked by
16M-45
-80° (62.5m)
152783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9.49/16.2
12.76/6.1
16.2
9.58/3.3
10.50/6.2
16.03/9.2

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		13.7 - 16.2 - Massive sulplide, inclusions of qtz and qtz sulph. common approx 15% ; competent, 14.2 - 14.4 vuggy , second contact @ 15°													
16.2	17.6	Bleached Sericite Phyllite	1.0/1.4												
		pale green-grey, mod. foliation @ 85°, very siliceous , 2% sulphide (py) as irregular disseminate, F_1 locally evident @ 90° to F_2 and drag folded. , 16.2 - 17.1 ~~fff~~ fissile ⇒ sheared , incompetent, 17.1 17.6 - competent.													
17.6	29.7	Quartz Sericite Phyllite	11.8/12.1												
		dark grey, well foliated @ 90°; F_1 rarely evident , @ 90° to F_2 ; minor fracturing @ 5° details													
		17.6 - 25.5 as above, competent													
		25.5 - 26.2 as above, pale - yellow green competent.													
		26.2 - 27.4 as above competent													
		27.4 - 29.4 as above, fissile ⇒ sheared incompetent	1.7/2.0												
		Fault gouge 28.4 - 28.8 sericite													

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Interval From	Interval To	DESCRIPTION	Py/4	Pb+Zn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		rich mud (dark grey) with fragments of sericite phyllite av. 4mm.															
		29.4-29.7 as above competent second contact gradational															
29.7	35.1	Bleached Sericite Phyllite with Sulphide pale yellow green, ~~me~~ well foliated @ 90°, F_1 @ 90° to F_2 and drag folded., competent minor fracturing @ 10°, qtz veins av. 10cm wide, @ 90°, milk white @ 31.5, 32.1, and 32.5, second contact 34.8-35.1 qtz vein @ 90°; very siliceous, 5% sulphide a fine grain diss (av. 1-2mm diametre) also as small stringers following F_1															
35.1	41.3	Sulphide Zone	1/4	Pb Zn 1	0.8/	1912	(changing wall) 34.3	35.1	0.8	0.04	0.13	1.03					
		35.1-36.1 massive sulphide, 20%	20	18	1.4/	13	35.1	36.6	1.5	5.81	11.17	94.63			8.715	16.755	141.945
		inclusions of qtz and carb.	5	8 ~~8~~	1.2/	14	36.6	38.1	1.5	1.065	2.70	26.40			2.475	4.05	39.60
		fragments av. 0.5cm, competent.	12	13	1.4/	15	38.1	39.6	1.5	3.53	6.10	49.37			5.295	9.15	74.055
		36.1-41.3 Quartz Sulphide with Sericite	30	12	1.6/	1916	39.6	41.3	1.7	5.44	5.54	68.57			9.248	9.418	116.569
		poorly foliated @ 90° (F_2); F_1															
		structures rare, locally @ 90° to F_2															
		and drag folded, sulphide - 30%				WTAV	35.1	41.3	6.2	4.15	6.35	60.03			25.733	39.373	372.169

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		sericite - 5-10% content decreasing away from massive sulphide contact, ~~generally~~ strongly fractured - @ 10°, 30° and 50°, 80° and broken in part fault gouge 37.4-37.9 - sericite rich mud (light grey) with fragments of qtz and sericite phyllite usually as sand size grains													
41.3	45.7	Quartz Sericite Phyllite light silvery grey well foliated F_2 = 80°, (44.2-44.7 F_2 = 30°) Fissile incompetent sheared @ 42.9-43.4, 43.8-44.0 and 44.5-44.7, fault gouge 45.4-45.7 sericite rich mud light yellow-grey colour, qtz veins fractured and broken @ 41.4-41.8, 42.5-42.7 and 43.4-43.5													
45.7	59.4	Sulphide Zone													
		45.7-46.7 Massive Sulphide Breccia with fragments of qtz. sulph. with graphite, fragments av. 0.5cm in matrix of sulphide and qtz.	(1.0)	1917 ~~45~~	45.7 ~~47.2~~	47.2 ~~45~~	1.5	2.83	3.30	40.46					
			1.2/	1918 ~~47.2~~	47.2 ~~46.8~~	48.8 ~~48~~	1.6	6.64	7.32	92.92			10,624	11.712	148.672
			1.5/	1919 ~~48.8~~	48.8 ~~50.3~~	50.3 ~~75~~	1.5	7.67	13.16	114.17			11.505	19.74	171.255
			1.3/	1920 ~~50.3~~	50.3 ~~51.8~~	51.8 ~~75~~	1.5	5.86	7.90	94.63			8.79	11.85	141.945

	F_y	Pb/Zn
	40	3
	15	8
	60	20
	70	15

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Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		poorly healed vuggy, core fractured	50	18	1.5/	1921	51.8	53.3	1.5	6.15	9.10	98.74			9.225	14.55	148.11
		and broken 46.6-46.7- qtz vein	60	20	1.5/1.6	1922	53.3	54.9	1.6	8.44	13.26	122.06			13.504	21.216	195.296
		@ 80° milk ~~w~~ white competent.	65	16	1.5/	1923	54.9	56.4	1.5	4.03	5.79	69.60			6.045	8.685	104.4
		46.7-47.0- fault gouge pale white	15	4	1.2/1.5	1924	56.4	57.9	1.5	1.28	2.10	16.11					
		green mud (sericite) with fragments	8	1	1.5	1925	57.9	59.4	1.5	0.40	0.83	7.20					
		of qtz, and sulphide range to 1cm															
		47.0-47.2 massive sulphide Breccia				N.Av.	47.2	54.9	7.7	6.97	10.27	104.58			53.648	79.068	805.578
		as described above.				W.Av.	47.2	56.4	9.2	6.49	9.54	98.91			59.693	87.753	909.978
		47.2-47.5 fault gouge pale-white															
		green mud (sericite) with fragments of															
		sulphide and qtz. range to 1cm.															
		47.5-47.7 Massive sulphide breccia as															
		described above.															
		47.7-48.5 Quartz Sulphide with Graphite															
		faint sulphide banding @ 65°, core															
		broken and fractured.															
		48.5-56.1 Massive sulphide porous granular															
		banded @ 80°±10°, competent, hard															
		brittle sulphides @ 51.3-51.7 and															
		55.0-55.5															
		56.1 57.9 Quart Sulphide with Graphite and Sericite															
		~~@~~ Mod foliation F_2: 85°, 20% ~~sulp~~ sulphide															

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		as irregular shaped blebs av. 3mm diam.													
		57.9 - 59.4 Bleached Sericite Phyllite with													
		Sulphides, well foliated F_2 = 85°;													
		10% sulphides as bands parallel													
		F_2, fissile, kaolin fault													
		alt zone 59.0-59.1													
59.4	62.5	Quartz Sericite Phyllite	2.3/3.1												
		dark grey - black, well foliated, F_2 = 85°													
		taley, fissile parting along F_2 common													
		av. 2cm. interval, qtz veins @ 85°													
		av. 8cm wide with 2% sulphide													
		cpy, gal, py @ 59.4 and 59.6													
		61.5 - 62.5 Bleached Sericite Phyllite with													
		Sulphides py 8 Pb 2 Zn 3	1.0/1.0	1926 ~~1925~~	61.5	62.5	1.0	1.34	1.38	18.17					
		mod. foliation @ 75°, siliceous													
		competent, 15% sulphide													
		as bands av. 1mm wide parallel													
		F_2.													
	62.5	End of Hole													

Typed-WP.

Golden Knight ✓ Wt. Av. checked by JC.

DIAMOND DRILL RECORD

LOGGED BY Glenn Jetu

D.D.H. No 76 U 46 PAGE 1/6

PROPERTY Grum Point Venture (Underground)

LATITUDE 10831 10826.65 | 5+28.8N

DEPARTURE 7647 7645.3 | 7+2.0W

ELEVATION 1143.3m

STARTED March 19/76

COMPLETED March 19/76

PROPOSED DEPTH

ULTIMATE DEPTH 83.8

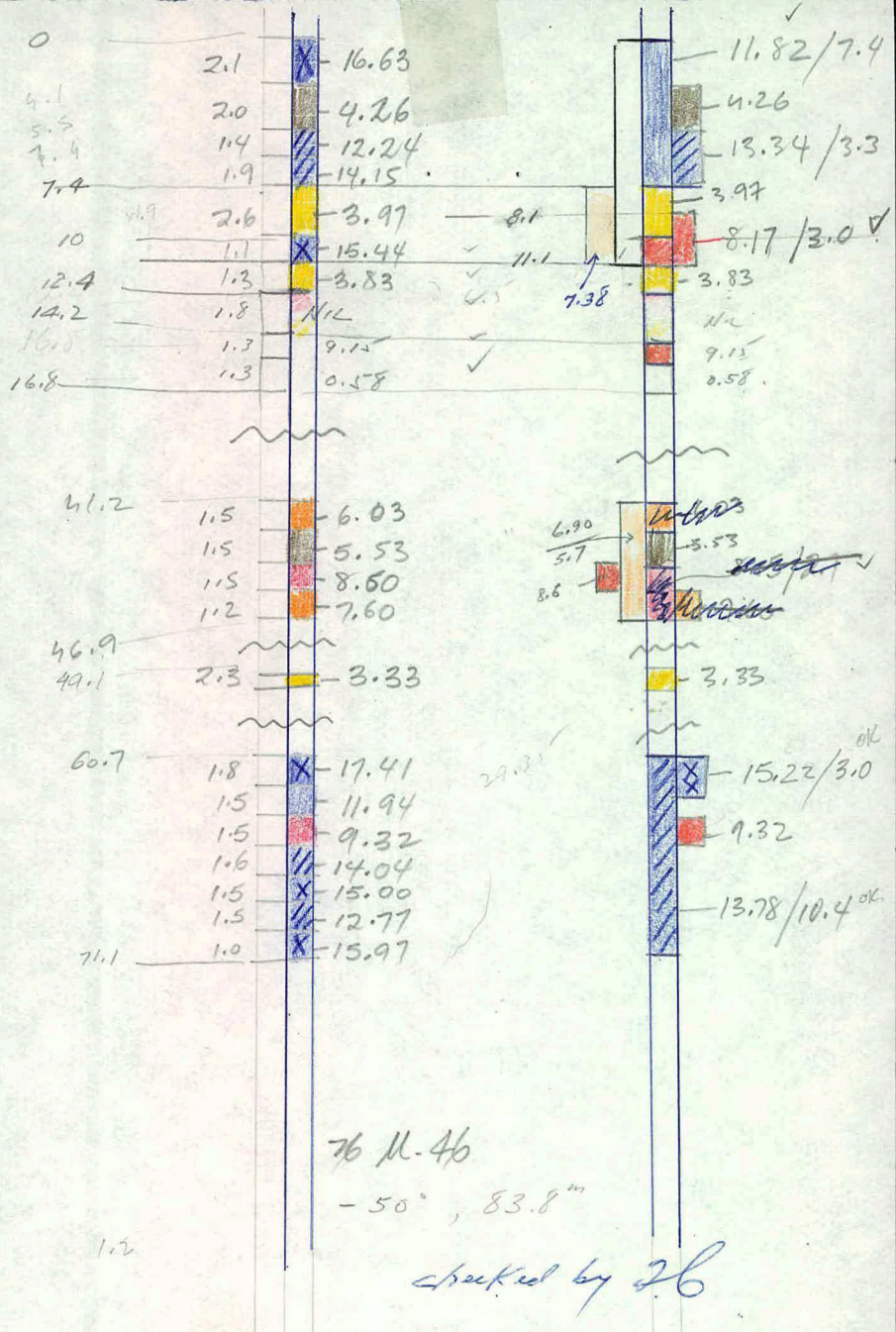
CLAIM No

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

HOLE SURVEY:

DEPTH	BEARING	DIP
~~83.8~~	~~Mag. 044~~	-50°
Collar.	Magnet	
No	down-hole	survey

Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	16.8	Quartz Sulphide with Graphite and Bleach Phyllite	15	14	(1.6)/2.1	1927	0	2.1	2.1	5.96	10.89	97.72			12.096	22.827	205.212
		competent, mod foliation @ 75°±5°; minor	10	5	2.0/	28	2.1	4.1	2.0	1.78	2.48	29.14			3.56	4.96	58.28
		fracturing @ 15°, 30° detail	15	12	1.4/	29	4.1	5.5	1.4	4.38	7.86	75.77			6.132	11.004	106.078
		0-2.1 Quartz sulphide, siliceous, 40%	15	14	1.9/	1930	5.5	7.4	1.9	5.00	9.15	78.86			9.500	17.385	149.834
		sulphide as bands (parallel F_2) or	8	3	2.6/	31	(8.1 7.4	10.0 10.0	1.9) 2.6	0.97	3.00	15.09		-	1.843 2.522	5.700 7.80	28.671 39.234
		disseminate, F_1 folds nose @ 1.8, F_1	18	11	1.1/	32	10.0	11.1	1.1	5.64	9.80	88.80		-	6.204	10.78	97.68
		@ 15° 1.8-2.1	25	3	1.3/	33	11.1	12.4	1.3	0.53	3.03	13.03					
		2.1-4.1 Bleached Sericite-Chlorite Phyllite			1.8/1.8	(sericite phyllite)	12.4	14.2	1.8	NIL.							
		pale yellow green, minor kaolin, qtz	20	6	1.3/	34	~~14.2~~	15.5	1.3	3.60	5.55	60.34					
		sulphide bands (contact @ 80°) @	5	0.5	1.3/	1935	15.5	16.8	1.3	0.23	0.35	5.14					
		2.4-2.5, 2.8-3.2, 3.3-3.4; second contact															
		gradational				Wt Av.	0	7.4	7.4	4.23	7.59	70.19		0.	31.288	56.176	519.404 ✓
		4.1-7.4 Quartz Sulphide, as described above				Wt Av.	4.1	7.4	3.3	4.73	8.61	77.55			15.632	28.389	255.912 ✓
		qtz vein ~~6~~ 6.5-6.6, @ 90°,				Wt Av	8.1	11.1	3.0	2.68	5.49	42.11		0	8.047	16.48	126.351 ✓
		7.4-10.0 Bleached Sericite-Chlorite Phyllite				Wt Av.	7.4	11.1	3.7	2.36	5.02	37.00			8.726	18.58	136.914
		as described above but richer in kaolin				Wt. Av.	0	11.1	11.1	3.54	6.55	58.18			39.34	72.66	645.75
		10.0-11.9 Quartz Sulphide with graphite															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16.63
2.0
4.26
1.4
12.24
1.9
14.15
7.4
2.6
3.97
10
1.1
15.44
12.4
1.3
3.83
14.2
1.8
Nil
1.3
9.15
16.8
1.3
0.58
41.2
1.5
6.03
1.5
5.53
1.5
8.60
1.2
7.60
46.9
49.1
2.3
3.33
60.7
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17.41
1.5
11.94
1.5
9.32
1.6
14.04
1.5
15.00
1.5
12.77
71.1
1.0
15.97
11.82/7.4
4.26
13.34/3.3
3.97
8.17/3.0
3.83
Nil
9.15
0.58
7.38
6.90
5.7
5.53
8.6
3.33
15.22/3.0
9.32
13.78/10.4
76 M-46
-50°, 83.8m
checked by JG

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		12.9 - 12.4 Graphite Phyllite, dark grey, black fissile F_2 = 75°, 5% sulphide													
		12.4 - 14.2 Quartz Sericite Phyllite light grey well foliated @ 90° (F_2) F_1 @ low angle to F_2 but strongly dissected by F_2, competent.													
		14.2 - 15.5 Quartz sulphide av. 55% sulphide banding @ 50°													
		15.5 - 16.8 Sericite - Graphite Phyllite with Sulphide well foliated @ 85°, dark grey-black, competent, ~~to~~ F_1 locally evident @ 90° to F_2, 10% graphite, 5% sulphide following F_1, second contact gradational													
16.8	19.3	Quartz Sericite Phyllite dark grey, well foliated F_2 = 80, F_1 locally evident @ 90° to F_2 generally competent minor fracturing @ 20°, sheared @ 17.4 - 17.5 and 18.8 - 18.9	2.5/2.5												
19.3	22.9	Bleached Sericite Phyllite pale yellow, well foliated @ 85°, F_1 distinct but erratic @ 30° - 90° to F_2	3.6/3.6												

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		competent													
		20.8-21.1 Quartz Sericite Phyllite													
		dark grey, first second contacts													
		@ 85°.													
22.9	41.2	Quartz Sericite Phyllite	17.9/18.3												
		dark grey well foliated @ 80°±10°,													
		F_1 rarely distinct, @ 90° to F_2, details													
		22.9-23.5 as above sheared incompetent													
		23.5-23.7 as above competent													
		23.7-24.1 as above sheared incompetent													
		24.1-26.2 Quartz Vein milk white	1.1/2.1												
		fractured and broken, band of													
		massive Po 3cm wide @ 80°													
		@ 25.9.													
		26.2-27.4 Sericite Phyllite, sheared bleached													
		kaolin rich													
		27.4-40.7 Quartz Sericite Phyllite, competent													
		shear zones @ 34.8-34.9, 36.0-36.1													
		38.6-38.7 and 39.6-39.7, qtz vein 10cm wide @													
		80° @ 37.6.													
		40.7 41.1 Fault Zone	0.3/0.4												
		40.7-40.8 sheared sericite phyllite													

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		40.8-41.0 fault gouge ~~fine~~ sericite rich mud, dark grey with fragments of sericite phyllite range to 1cm.														
		41.0-41.1 ~~sed~~ sheared sericite phyllite $F_2 = 30°$														
		41.1-41.2 Sericite Phyllite, fractured and broken.	0.1/0.1													
41.2	46.9	Quartz Sulphide with Sericite and Graphite dark grey, mod. foliation @ 80°, F_1 locally evident @ 90° to F_2, and drag folded, generally competent minor fracturing @ 0°, 30°, sulphides as disseminate in qtz rich bands (follow F_2) details (10% graphite, 15% sericite)														
		41.2-42.7 as above, fractured, broken. Py RPb2n3	1.3/	1936	41.2	42.7	1.5	2.68	3.35	45.26			4.02	5.025	67.89	
		42.7-44.2 as above, sheared phyllite 43.0-43.1, Py 20, Pb2n4	1.4/	37	42.7	44.2	1.5	3.13	2.40	51.43			4.695	3.60	77.145	Plot
		44.2-45.7 as above, competent Py 20, Pb2n 6	1.5/	38	44.2	45.7	1.5	4.55	4.05	68.57			6.825	6.075	102.855	Plot
		45.7-46.9 as above, competent, Py 18, Pb2n 6 second contact @ 80°	1.2/	1939	45.7	46.9	1.2	4.20	3.40	65.49			5.04	4.08	78.588	
46.9	49.1	Quartz Sericite Phyllite dark grey, well foliated @ 75°, locally fissile, generally competent. qtz vein @ 47.7-47.8 @ 80°, and @ 48.6-48.8	2.2/2.2	W.Av.	41.2	46.9	5.7	3.61	3.29	57.28			20.580	18.780	326.478	Plot

LOGGED BY SJ D.D.H. No 81-46 PAGE 5/6

Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		@ 30°, second contact gradational																
49.1	51.4	Sericite Phyllite with sulphides, Py 10, PbZn 3			2.3/2.3	1940 ~~1937~~	49.1	51.4	2.3	1.35	1.98	21.24						
		dark grey well foliated @ 75°, competent,																
		sulphides as diss. in qtz rich bands and																
		as irregular stringers, Po rich band																
		~~3~~ 4cm wide @ 49.7., second contact gradational																
51.4	60.7	Quartz Sericite Phyllite			9.3/9.3													
		dark grey well foliated F_2 = 85°, F_1 generally																
		not distinct, locally @ 90° to F_2 and dragfolded,																
		second contact gradational over 10cm.																
60.7	71.1	Massive Sulphide Zone	Py	PbZn														
		generally competent, fracturing @ 20° and	40	15	1.8/	1941 ~~1607~~	60.7 ~~62.5~~	62.5 ~~-~~	1.8	6.64	10.77	111.09			11.952	19,386	199.962	
		80°, 30°, details	50	14	1.4/	42	62.5	64.0	1.5	4.80	7.14	99.77		x1.2	5.76 / 7.200	8.568 / 10.71	119.724 / 149.655	
		60.7 - 61.0 massive sulphide with inclusions	50	16	1.5/	1943	64.0	65.5	1.5	3.45	5.87	74.74			5.175	8.805	112.11	
		of sericite phyllite	60	15	1.3/	44	65.5	67.1	1.6	5.44	8.64	79.54			8,704	13.824	127.264	
~~7~~		61.0 - 62.8 as above with barite (20%)	40	15	1.5/	45	67.1	68.6	1.5	5.50	9.50	83.66			8.25	14.25	125.49	
		banding @ 35°	40	16	1.5/	46	68.6	70.1	1.5	4.28	8.49	73.71			6.42	12.735	110.565	
		62.8 - 65.0 - Massive sulphide hard	60	20	1.0/	1947	70.1	71.1	1.0	5.50	10.47	100.80			5.50	10.47	100.80	
		brittle highly fractured in part																
		65.0 - 66.0 massive sulphide with barite				W. Av.	60.7	63.7	3.0	5.90	9.32	106.5			17.712	27.954	319.686	Adj
		15 - 20% banding @ 40°				W. Av.	60.7	71.1	10.4	5.11	8.67	89.0			53.201	90.180	925.846	Adj
		66.0 - 66.3 massive sulphide breccia																

LOGGED BY SJ D.D.H. Nº U-46 PAGE 6/c

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		sulphide fragments range to 1cm, well healed by sulphide and qtz.													
		66.3 - 67.4 massive sulphide porous granular banding @ 50°													
		67.4-69.7 massive sulphide with barite 25%, banding @ 45 ± 5°													
		69.7-71.1 massive sulphide ~~porous~~ porous granular banding @ 50° ± 10°													
		second contact gradational over 10cm as stringers into phyllite													
71.1	83.8	Quartz Sericite Phyllite, dark grey, well foliated @ 80°, competent, parting along F_2 common av. 8cm interval, sheared @ 74.6-74.8, 75.3-75.4, 79.0-79.1 qtz veins av. 5cm wide @ 85° @ 71.1, 77.6, 74.5, 80.8, 81.3, 81.9	12.7/12.7												
	83.8	End of Hole													

Typed = WP.

DIAMOND DRILL RECORD

LOGGED BY Glenn Letu

D.D.H. Nº 76 U 47 PAGE 1/6

PROPERTY Grum Joint Venture (Underground)

LATITUDE * ~~10826.65~~ 10831 | 5+28.8N / 6N

DEPARTURE * ~~7645.30~~ 7647 | ~~7W~~ 7W

ELEVATION * 1143±3m (Approximated)

STARTED March 21 / 76

COMPLETED March 22 / 76

PROPOSED DEPTH

ULTIMATE DEPTH 80.8 m

HOLE SURVEY:		
DEPTH	BEARING	DIP
~~80.8~~	~~Az 224°~~	-80°
Collar *	224	
N/A	Azimuth-Hole surveyed	

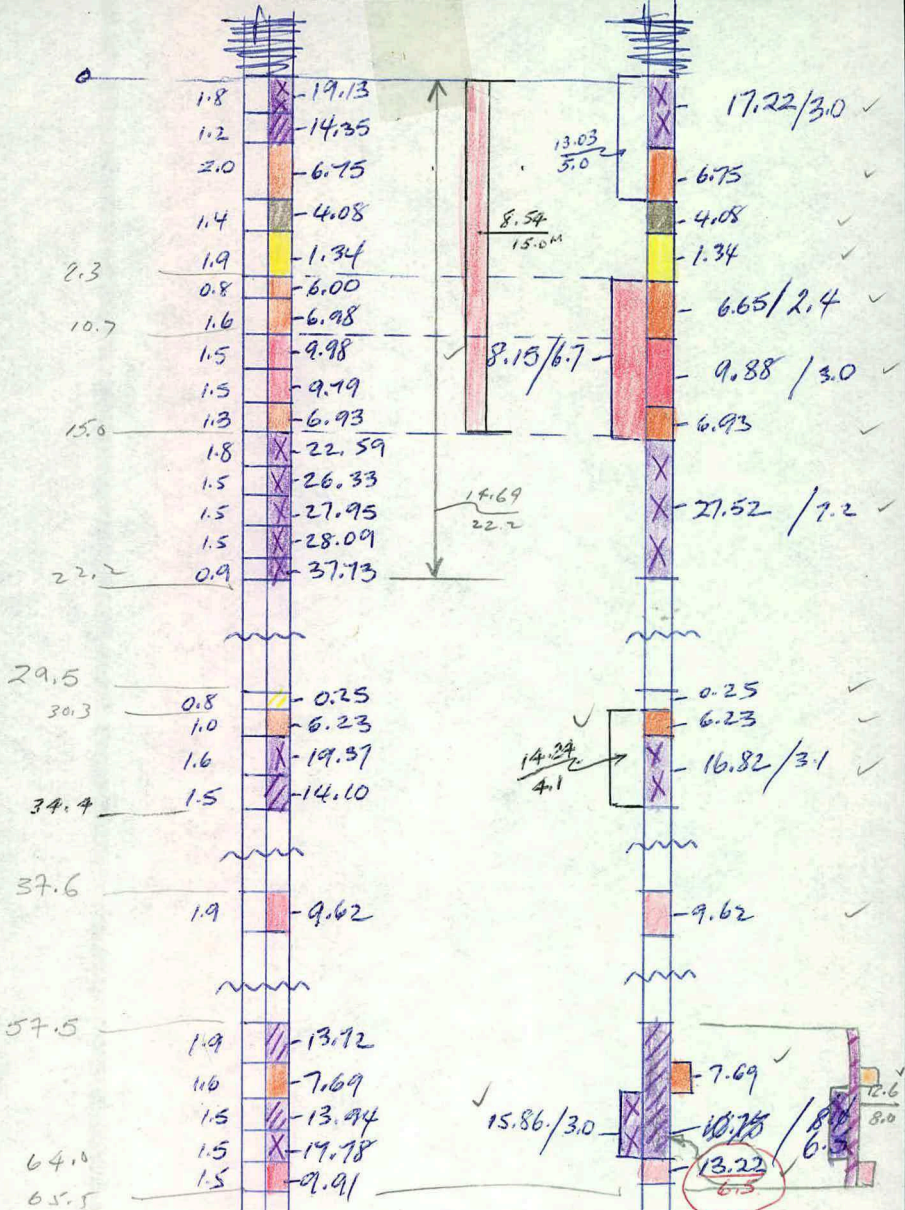
CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
0	22.2	Sulphide Zone	25	12	1.7/1.8	1948	0	1.8	1.8	9.27	9.86	135.09			16.686	17.748	243.162	
		competent, minor fracturing @ 5°, 60°, 40°;	18	6	1.2/	49	1.8	3.0	1.2	7.64	6.71	87.77			9.168	8.052	105.324	
		details	20	7	2.0/	1950	3.0	5.0	2.0	4.40	2.35	48.34		-	8.80	4.70	96.68	P
		0 - 5.0 Quartz Sulphide with Graphite	12	3	1.4/	51	5.0	6.4	1.4	1.68	2.40	26.40			2.352	3.36	36.96	P
		poor foliation F_2: 70°±5°, defined by alignment	10	1	1.9/	52	6.4	8.3	1.9	0.39	0.95	7.20			0.741	1.805	13.68	P
		of graphite and sulphide bands, F_1 rare,	30	6	0.8/	53	8.3	9.1	0.8	4.20	1.80	39.43		-	3.36	1.44	31.544	
		locally @ 10°, bleached phyllite 0 - 0.2	30	5	1.6/	54	9.1	10.7	1.6	4.53	2.45	44.23			7.248	3.92	70.768	
		kaolin fault alt @ 0.9 - 1.0, second	25	7	1.5/	1955	10.7	12.2	1.5	4.10	5.88	53.49			6.15	8.82	80.235	
		contact @ 80°, graphite - 5%, and	20	8	1.5/	56	12.2	13.7	1.5	3.43	6.36	54.51			5.145	9.54	81.765	
		sulphide av. 30%	15	8	1.3/	57	13.7	15.0	1.3	2.63	4.30	45.26			3.419	5.59	58.838	P
		5.0 - 8.3 Bleached Sericite Chlorite Phyllite	30	14	1.8/	58	15.0	16.8	1.8	8.20	14.39	133.03			14.76	25.902	239.454	
		dull green, well foliated @ 85°, 3%	50	15	1.5/	59	16.8	18.3	1.5	8.60	17.73	146.06			12.90	26.595	219.09	
		sulphide as stringer diss., competent	55	17	1.5/	1960	18.3	19.8	1.5	6.95	21.0	125.14			10.425	31.50	189.71	
		5.9 - 6.4 qtz. sulphide; second	50	14	1.5/	61	19.8	21.3	1.5	7.90	20.19	123.09			11.85	30.285	184.635	
		contact gradational	60	18	0.9/	62	21.3	22.2	0.9	11.45	26.28	209.83			10.305	23.652	188.847	
						W.Av.	0	3.0	3.0	8.62	8.60	116.16		-	25.854	25.800	348.486	P
		8.3 - 17.6 Quartz Sulphide with graphite				W.Av.	8.3	15.0	6.7	3.78	4.37	48.23			25.322	29.31	323.150	P
						W.Av.	8.3	10.7	2.4	4.42	2.23	42.63			10.608	5.36	102.312	P
		as described above, graphite varies				W.Av.	10.7	13.7	3.0	3.76	6.12	54.00			11.295	18.36	162.00	P
						W.Av.	15.0	22.2	7.2	8.37	19.15	141.63			60.240	137.934	1019.736	

(over) 0



96M-47. (-80°, 80.8M)

Checked by 96.

LOGGED BY SS D.D.H. Nº 11-47 PAGE 2/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		0-10% locally, sulphide content increases gradually towards second contact (to 60%) bleached sericite chlorite phyllite @ 12.8-13.4 and 14.7-15.0		Wt. Av	0	15.0	15.0	4.21	4.33	54.59		0	63.069	64.975	818.956
				Wt. Av	0	5.0	5.0	6.93	6.10	89.03			34.654	30.500	445.166
				Wt. Av	0	22.2	22.2	5.55	9.14	82.82			123.31	202.91	1838.7
		17.6-22.2. Massive Sulphide, faint banding locally @ 60±10°, inclusions of qtz and carb common (8%), qtz sulphide 20.0-20.2, bleached sericite chlorite phyllite 20.2-20.6.; second contact @ 80°													
22.2	28.0	Quartz Sericite Phyllite light green to grey, well foliated @ 90°, fissile incompetent, details	(1.7)/7.8												
		22.2-22.4. as above, bleached, pale yellow, 22.3-22.4 pulverized													
		22.4 23.2 as above, silicified competent													
		23.2-27.4 as above, fissile incompetent													
		27.4-28.0 <u>fault gouge</u>, silvery grey mud (sericite rich) with fragments of qtz and phyllite range to 1.5cm													
28.0	30.3	Bleach Sericite Phyllite with Sulphides pale yellow-green, well foliated @ 90°	2.3/2.3												

LOGGED BY _____ D.D.H. Nº _____ PAGE 3/6

Interval From	Interval To	DESCRIPTION	Py	Pbzn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		fissile but competent, 5% sulphides as disseminate and bands (av. 1mm wide) parallel F_2, 28.0 - 28.3 qtz. sulphide with graphite																
30.3	34.4	Quartz Sulphide with Graphite	4	1	0.8/	1963	(hanging wall) 29.5	30.3	0.8	0.10	0.15	0.69						P
		competent, siliceous, mod. foliation	35	5	1.0/	64	30.3	31.3	1.0	2.75	3.48	41.49		0	2.75	3.48	41.49	P
		$F_2 = 80°$, 2-5% graphite details	20	14	1.6/	65	31.3	32.9	1.6	6.92	12.45	112.12			11.072	19.92	179.392	
		30.3 - 32.0 - as above	25	11	1.5	1966	32.9	34.4	1.5	4.28	9.82	63.43			6.42	14.73	95.145	
		32.0 - 32.4 - massive sulphide with 10% po inclusions of qtz common - 10%				W=Av.	31.3	34.4	3.1	5.64	11.17	88.56		0	17.492	34.65	274.537	P
		32.4 - 33.2 - qtz sulphide, siliceous				" "	30.3	34.4	4.1	4.94	9.30	77.08	✓		20.24	38.13	316.03	
		33.2 - 33.4 - brecciated qtz. vein fragments av. 0.3cm well healed by sulphide																
		33.4 - 33.7 massive sulphide banding @ 70°																
		33.7 - 34.4 qtz sulphide, second contact @ 85°																
34.4	37.6	Quartz Sericite Phyllite			2.0/3.2													
		dark grey, well foliated $F_2 = 80°$, fissile																
		talcy, incompetent, 37.1 - 37.6 sheared																
37.6	39.5	Quartz Sulphide with Graphite Py 20, Pbzn 5			1.8/1.9	1967	37.6	39.5	1.9	4.13	5.49	58.63						P
		mod foliation @ 80 ± 10°, highly fractured																
		and broken, graphite and sericite - 15%																

LOGGED BY SJ D.D.H. No U-47 PAGE 4/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
39.5	45.8	Sericite Phyllite	5.0/6.3												
		dark grey-black, well foliated, F_2 = 75 ± 10°													
		fissile, talcy, incompetent, fracturing @													
		5°, F_1 generally not distinct locally @													
		90° to F_2 details													
		39.5 - 41.3 as above, sheared → pulverized													
		41.3 - 45.8 as above, broken and fractured													
		43.7-43.8 pulverized													
		second contact qtz. vein @ 80°													
45.8	57.5	Quartz Sericite Phyllite	9.8/11.7												
		dark grey, well foliated, F_2 = 70°, F_1 locally													
		distinct cA 0-30° and 90-60° to F_2,													
		competent, minor fracturing @ 15°, 1-2%													
		sulphide as fine stringers parallel F_2													
		details													
		45.8 - 48.5 - as above, pale green, with	1.0/2.7												
		4% Py, 1% Pb Zn													
		48.5 - 48.9 as above, dark grey													
		48.9 - 49.3 qtz vein milk white, fractured and													
		broken, 3% py													
		49.3 - 51.3 qtz. sericite, qtz vein 49.8-50.1													
		51.3 - 51.7 qtz-carb vein @ 80° milk white													

LOGGED BY _____ D.D.H. Nº _____ PAGE 5/6

Interval From	Interval To	DESCRIPTION	Py	Pb2n	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
		51.7 - 57.5 qtz. sericite phyllite, qtz vein @ 80° @ 53.8 - 54.0, sheared phyllite 55.8 - 56.4, second contact gradational over 10cm																
57.5	65.5	Massive Sulphide Zone.																
		mainly porous granular sulphides,	70	1C	1.9/	1968	57.5	59.4	1.9	6.32	7.40	82.63			12,008	14.06	156.997	
		banding @ 70°, fold noses @ 59.5 and	65	15	1.6/	69	59.4	61.0	1.6	3.49	4.20	58.63			5.584	6.72	93.808	
		62.4, competent, details	65	18	1.5/	70	61.0	62.5	1.5	6.22	7.72	85.72			9.33	11.58	128.58	
		57.5 - 58.0 massive sulphide, hard brittle	65	18	1.5/	71	62.5	64.0	1.5	6.75	11.03	112.12			10.125	16.545	168.18	
		with 5% inclusions of qtz.	45	10	1.5/	72	64.0	65.5	1.5	3.68	6.23	82.63		-	5.52	9.345	123.943	P
		58.0 - 60.7 as above, granular porous																
		60.7 - 61.0 qtz - carb vein, 5% sulphide first contact - 30°, second = 80°				W.Av.	61.0	64.0	3.0	6.48	9.37	98.92			19.455	28.125	296.76	"
		61.0 - 64.8 massive sulphide porous granular				"	57.5	65.5	8.0	5.32	7.28	83.93			42.567	58.250	671.508	P
		62.0 - 62.3 - with open fractures @ 10°				"	57.5	64.0	6.5	5.70	7.52	84.24			37.05	48.90	547.57	
		64.8 - 65.5 Quartz sulphide with Graphite mod. foliation F_2 = 85°, competent, siliceous Py - 15%, Pb2n 2%, second contact @ 80°																
65.5	67.4	Bleached Phyllite with Sulphide			1.9/1.9													
		pale yellow green, mod foliation, F_2 = 80°, sericite rich, Py 4, Pb2n 0.5, kaolin - fashite alt																

LOGGED BY SJ D.D.H. Nº U-47 PAGE 6/6

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		zones @ 65.7-65.8, 66.0-66.1, and 66.8-67.0 second contact gradational													
67.4	80.8	Quartz Sericite Phyllite dark grey well foliated F_2 = 85°, F_1 locally evident @ 90° to F_2 and drag folded competent, minor fracturing @ 15°, common parting along F_2, av. 5 cm interval, locally 1% sulphide as fine diss. in qtz bands parallel F_1, qtz veins @ 90° av. 10cm wide @ 71.8, 79.2 79.5-79.6 fault gouge, buff yellow mud with fragments of qtz and phyllite range to 0.5cm.	13.0/13.4												
	80.8	End of Hole.													

(calc to do) ✓ all rec. checked ✓

Typed = MP

DIAMOND DRILL RECORD

LOGGED BY S. Jetu

D.D.H. Nº 76 U-48 PAGE 1/8

PROPERTY Grum Joint Venture

LATITUDE 10826.65 (5+24.5N / 6W)

DEPARTURE 7645.30 (7+40 / 0.6W)

ELEVATION 1143.36m

STARTED March 22/76

COMPLETED March 23/76

PROPOSED DEPTH

ULTIMATE DEPTH 120.7'

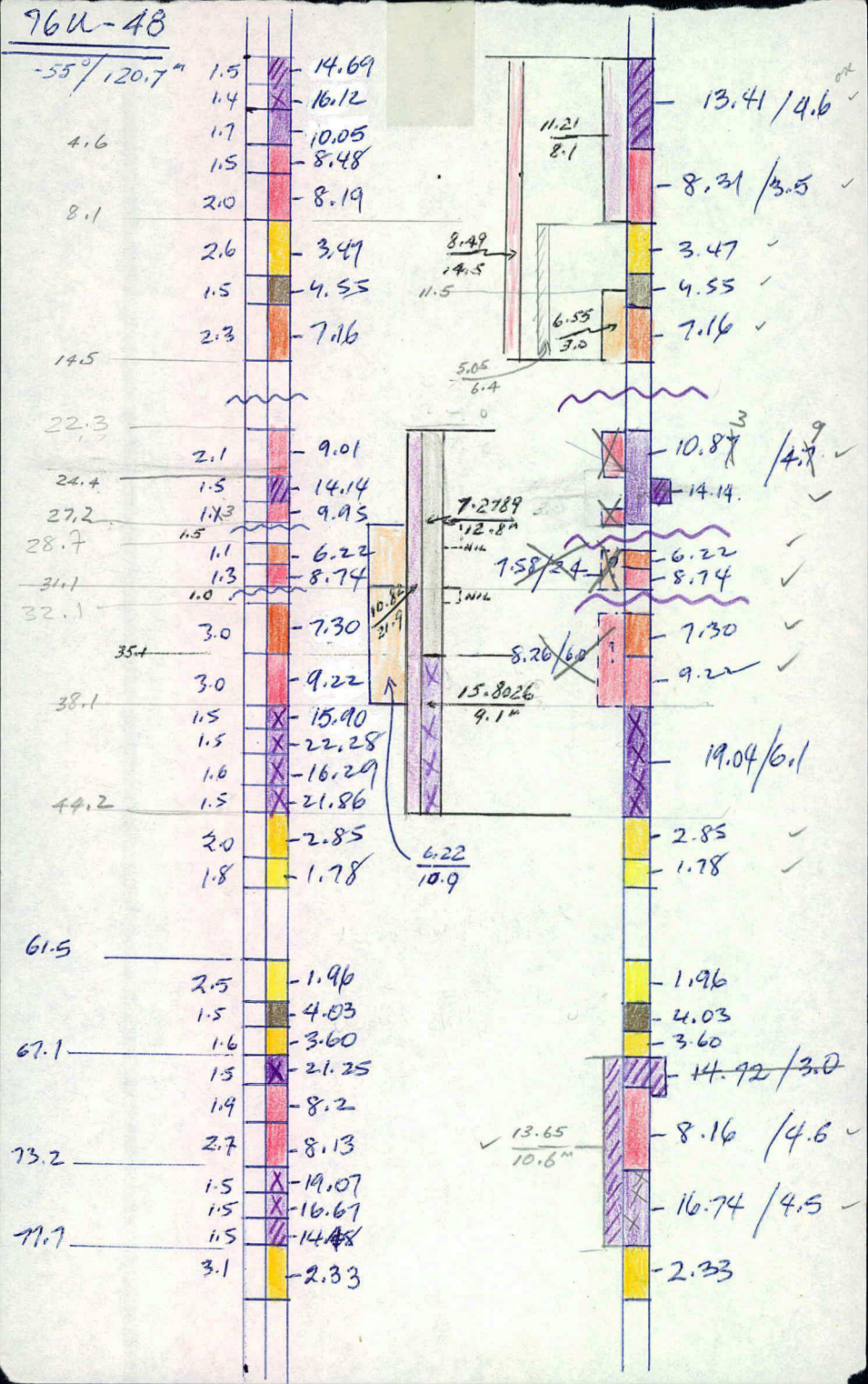
HOLE SURVEY:		
DEPTH	BEARING	DIP
~~120.7~~	~~Az 224~~	~~-55°30'~~ ✓
Collar	214°35'53" ✓	
100' (30.5)	207°48'	-60°
250' (76.2)	201°	-62°30'
390' (118.87)	208°	-68°30'

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Py	Pb Zn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
0	14.5	Quartz Sulphide with Sericite ± Graphite	30	6	1.5/	1973	0	1.5	1.5	4.93	9.76	93.44			7.395	14.64	140.91	
		mod. foliation, (locally absent) F_2 = 60°; F_1	40	8	1.4/	74	1.5	2.9	1.4	8.85	7.27	121.03			12.39	10,178	169.442	
		locally evident @ 90° to F_2 and cA of 0-30°,	55	8	(1.2)/	75	2.9	4.6	1.7	6.95	3.10	80.57			11.815	5.27	136.969	
		F_1 noses @ 2.7 and 3.2, competent, details	30	9	1.5/	76	4.6	6.1	1.5	4.88	3.60	57.60			7.32	5.40	86.40	
		0-2.9 as above with graphite	15	12	2.0/	77	6.1	8.1	2.0	2.98	5.21	49.37			5.96	10.42	98.74	
		2.9-3.3 Bleached Phyllite, buff-white	5	3	2.6/	78	8.1	10.7	2.6	1.09	2.38	22.29			2.834	6.188	57.954	P
		Kaolin rich competent.	4	3	1.5/	79	10.7	12.2	1.5	1.60	2.95	29.14			2.40	4.425	43.71	P
		3.3-8.1 Quartz Sulphides, bleached	25	6	2.3/	1980	11.5 12.2	12.2 14.5	0.7 2.3	2.68	4.48	40.46			1.120 6.164	2.065 10.304	20.378 93.058	P
		phyllite @ 5.7-6.0 and 6.2-6.3																
		8.1-12.2 Sericite Phyllite with Sulphides				Wt Av.	0	4.6	4.6	6.87	6.54	91.2			31.600	30.088	447.321	P
		dark grey, sulphides as stringer-diss				Wt Av.	4.6	8.1	3.5	3.79	4.52	52.9			13.28	15.82	185.14	P
		and bands parallel F_2				" "	0 8.1	8.1 14.5	8.1 6.4	5.54 1.78	5.67 3.27	78.1 30.4		—	44.88 11.40	45.908 20.92	632.461 194.72	P
		12.2-13.0 Quartz Sulphide with beaded				" "	0	14.5	14.5	3.88	4.61	54.05		0	56.278	66.825	827.183	
		texture, bleached phyllite 12.5-12.8				" "	11.5	14.5	3.0	2.43	4.12	37.82			7.284	12.369	113.456	
		13.0-14.5 Quartz Sulphide Breccia, fragments				" "												
		of host range to 1.5cm, matrix rich																
		in graphite, quartz, and sericite.																


96U-48
-55°/120.7m
1.5 14.69
1.4 16.12
4.6
1.7 10.05
1.5 8.48
8.1
2.0 8.19
2.6 3.47
1.5 4.55
2.3 7.16
14.5
22.3
2.1 9.01
24.4
1.5 14.14
27.2
1.X3 9.95
1.5
28.7
1.1 6.22
1.3 8.74
31.1
1.0
32.1
3.0 7.30
35.1
3.0 9.22
38.1
1.5 15.90
1.5 22.28
1.6 16.29
44.2
1.5 21.86
2.0 2.85
1.8 1.78
61.5
2.5 1.96
1.5 4.03
67.1
1.6 3.60
1.5 21.25
1.4 8.2
2.7 8.13
73.2
1.5 19.07
1.5 16.67
77.7
1.5 14.48
3.1 2.33
11.21/8.1
8.49
14.5
11.5
6.55
3.0
5.05
6.4
7.2789
12.8m
NIL
NIL
10.82
21.9
6.22/10.9
8.26/6.0
15.8026
9.1m
13.41/4.6
8.31/3.5
3.47
4.55
7.16
10.8?/4.?
14.14
7.58/2.4
6.22
8.74
7.30
9.22
19.04/6.1
2.85
1.78
1.96
4.03
3.60
14.92/3.0
13.65
10.6m
8.16/4.6
16.74/4.5
2.33

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Interval From	Interval To	DESCRIPTION	Py	Pbzn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag	
14.5	22.3	Bleached Sericite Phyllite pale yellow to white, well foliated $F_2 = 70° \pm 10°$, fissile, friable, incompetent, locally kaolin rich, 2% sulphide as disseminate and bands to parallel F_2, sericite phyllite dark grey @ 19.2-19.5, 19.8-22.1; pulverized bleached phyllite 22.1-22.3			7.3/7.8													
						W.Av.	22.3	35.1	12.8	2.22	5.05	29.01			28.482	64.688	371.404	P
						W.Av.	22.3	44.2	21.9	3.66	7.16	53.17			80.142	156.812	1164.527	
						W.Av.	35.1	44.2	9.1	5.68	10.12	87.15			51.660	92.124	793.123	P
							22.3	27.2	4.9	3.29	7.53	61.05			16.144	36.922	299.126	
							38.1	44.2	6.1	7.15	11.88	107.76			43.620	72.504	657.343	
22.3	48.0	Quartz Sulphide Zone with Sericite					27.2	32.1	10.9	1.87	4.35	31.07			20.378	47.386	338.678	
		poor foliation $F_2 = 70° \pm 10°$; F_1 generally not distinct locally @ $10° \pm 10°$; sugary & beaded texture common grading into qtz sulphide as inclusions in massive sulphide, generally competent fracturing @ 10°, 80° details,	10	4	(1.6)/2.1	1981	22.3	24.4	2.1	2.70	6.31	55.54			5.67	13.251	116.634	
			10	6	1.5/	82	24.4	25.9	1.5	4.40	9.74	90.86			6.6	14.61	136.29	
			8	8	1.1/	83	25.9	27.2	~~1.3~~ 1.1	2.98	6.91	55.54			3.874	9.061	46.202	
					1.5/1.5	—	27.2	28.7	1.5									
			5	3	1.1/	1984	28.7	29.8	1.1	1.74	4.48	26.40			1.914	4.928	29.04	P
		22.3-22.8 as above, highly broken as course gravel	4	8	1.3/	1985	29.8	31.1	1.3	2.48	6.26	33.26			3.224	8.138	43.238	P
					1.0/1.0	—	31.1	32.1	1.0									
		22.8-27.2 as above competent	5	4	(2.5)/3.0	86	32.1	35.1	3.0	2.40	4.90	43.54			7.20	14.7	130.62	P
		27.2-28.7 bleached phyllite kaolin rich	10	3	3.0/	87	35.1	38.1	3.0	2.68	6.54	45.26			8.04	19.62	135.78	P
		28.7-29.8 qtz. sulphide, pale yellow very siliceous	5	10	1.5/	88	38.1	39.6	1.5	5.87	10.03	85.72			8.805	15.045	128.58	
			15	10	1.5/	89	39.6	41.1	1.5	10.13	12.15	157.37			15.195	18.225	236.055	
		29.8-31.1 as above, competent.	10	10	1.6/	1990	41.1	42.7	1.6	4.95	11.34	77.83			7.92	18.144	124.528	
		31.1-32.1 bleached phyllite kaolin rich	15	10	1.5/	91	42.7	44.2	1.5	7.80	14.06	112.12			11.7	21.09	168.18	
		32.1-37.6 qtz sulphide generally competent	10	2	2.0/	92	44.2	46.2	2.0	1.30	1.55	23.31						P

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Interval From	Interval To	DESCRIPTION	Rq	Rlz	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		broken and fractured 33.2 - 34.0 and 36.5-36.7, massive sulphide with inclusions of qtz. 35.4-35.5	7	3	1.8/	1993	46.2	48.0	1.8	0.58	1.20	8.91					
		37.6 - 38.0 - Bleached Phyllite fractured and broken, kaolin rich, second contact strongly sheared.															
		38.0-45.5 qtz. sulphide, locally sulphide content >60% with inclusions of sericite phyllite															
		45.5 - 46.4 Sericite Phyllite with sulphide dark grey competent, F_2 = 80°, sulphide av. 80°. as bands parallel F_2															
		46.4 - 48.0 Quartz Sulphide with sericite first, second contacts gradational, strongly sheared 46.4 - 46.8.															
48.0	52.1	Bleached Sericite Phyllite with sulphides pale yellow, well foliated F_2 = 80°, F_1 locally evident drag folded and offset along F_2; ; sericite rich, locally kaolin rich, 5% sulphides as bands parallel F_1, py ± sph. 51.7-51.8 sheared sericite phyllite, dark grey, ; second contact gradational			3.8/4.1												

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Interval From	Interval To	DESCRIPTION	Py	PbZn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
52.1	58.9	Quartz Sericite Phyllite			6.5/6.8												
		dark grey well foliated F_2 = 75°, F_1 locally															
		@ 70°-90° to F_2, competent minor															
		fracturing @ 30°, parting along F_2 av. 6															
		cm interval; qtz vein 57.8-58.2, @															
		50° milk white with 2% po as															
		irregular stringer															
58.9	61.5	Quartz Vein			2.6/2.6												
		milk white fracturing common, @ 15°, 70°,															
		30° and 60° with 2% sulphide as															
		irregular stringers sph and gal. ± py.															
61.5	83.2	Sulphide Zone	Py	PbZn													
		61.5-67.2 Quartz Sulphide with Graphite	8	3	2.4/	1994	61.5	64.0	2.5	0.33	1.63	4.11					
		mod. foliation @ 75°, fracturing common	8	4	1.5/	95	64.0	65.5	1.5	1.40	2.63	10.97					
		@ 0°, 30°, 70°; sulphides av. 15% as	25	6?	1.6/	96	65.5	67.1	1.6	1.20	2.40	18.17					
		irregular stringer diss; F_1 generally	20	16	Po 2 / 1.5/	97	67.1	68.6	1.5	7.49	13.76	130.97			11.235	20.64	196.455
		absent locally @ 90° to F_2, qtz veins	10	15	25 / 1.9/	98	68.6	70.5	1.9	3.10	5.10	54.51			5.89	9.69	103.569
		@ 80° @ 63.4-63.5, 63.7-63.9 (massive	12	2	2.7/	1999	70.5	73.2	2.7	3.43	4.70	50.40			9.261	12.69	136.08
		py band @ 30°, 5cm wide, @ 63.8, vuggy	60	15	1.5/	2000	73.2	74.7	1.5	6.99	12.08	104.92			10.485	18.12	157.38
		coursely crystalline)	75	12	1.5/	01	74.7	76.2	1.5	6.02	10.65	111.09			9.03	15.975	166.635
		61.5-62.1 as above	55	11	1.5/	02	76.2	77.7	1.5	5.41	9.07	84.69			8.115	13.605	127.035
		62.1-62.7 bleach phyllite, kaolin rich	18	1	3.1/	03	77.7	80.8	3.1	1.20	1.13	19.20					

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		62.7-64.5 qtz sulplide described above		W.A.											
		64.5-67.2 qtz sulplide breccia			68.6	73.2	4.6	3.29	4.87	52.09			15,151	22.38	239.649
		contact @ 0°, fragments of host			73.2	77.7	4.5	6.14	10.6	100.23			27.630	47.700	451.050
		range to 1cm (also qtz. fragments)			67.1	77.7	10.6	5.09	8.56	83.70			54.016	90.720	889.154
		well healed by chert and carbonate													
		67.2-70.5 Massive Sulplide hard brittle													
		banding @ 70°, 68.4-69.0 po rich													
		av. 20%													
		70.5-72.8 qtz sulplide grading into													
		bleached sericite phyllite toward													
		second contact.													
		72.8-73.2 qtz vein milk white with													
		1% arsenopyrite as stringers													
		73.2-77.3 Massive Sulplide hard brittle													
		faint banding locally @ 70°, second													
		contact gradational													
		77.3-83.2 Quartz Sulphide with Graphite and Sericite													
		mod. well foliation F_2 = 80°, competent													
		kaolin fuchsite alt zones @ 81.8-82.0													
		and 82.8-83.1 av. 15% sulplide, 1-2% pyrrh													
83.2	91.8	Quartz Sericite Phyllite	8.2/8.6												
		dark grey, well foliated F_2 = 80°, generally													

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		competent, locally trace sulphides as fine disseminate in qtz rich bands, qtz vein @ 80° av. 5cm wide @ 88.1, 88.2 88.4. ; first second contacts gradational													
91.8	100.1	Bleached Sericite Phyllite with Sulphide pale buff green, mod. foliation F_2 = 75° (locally absent) ; F_1 rare, locally @ 5° ; 5-10% sulphide as stringer diss. parallel F_2, py ± sph ± gal., kaolin fuchsite alt zones common - 93.6-93.8, 94.9-95.3, 95.4-95.5 96.0-96.3 ; first second contacts gradational	8.2/8.3												
100.1	105.2	Quartz Sulphide with Graphite and Sericite mod well foliated F_2 = 80° ± 5°; F_1 locally at 90° to F_2, ~~and~~ drag folded and offset along F_2 ; 12% sulphide as diss. in qtz rich bands, py mainly, 101.5-101.8 2% Pb Zn ; competent minor fracturing @ 5°	5.1/5.1												
105.2	108.2	Bleached Phyllite with sulphides pale green to white, mod foliation @ 80°, generally competent, kaolin rich, 8% sulphide py ± gal ± sph., details	2.6/3.0												

DIAMOND DRILL RECORD

LOGGED BY SJ. D.D.H. Nº U-48 PAGE 7/8

PROPERTY

LATITUDE STARTED

DEPARTURE COMPLETED

ELEVATION PROPOSED DEPTH
ULTIMATE DEPTH

HOLE SURVEY:		
DEPTH	BEARING	DIP

CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		105.2 - 106.7 as above.													
		106.7 - 107.8 fault breccia	0.3/1.1												
		angular fragments of sulplide, qtz													
		chert, qtz sulplide in matrix													
		of dark grey mud., core strongly													
		broken up.													
		107.8 - 108.2 sericite phyllite dark													
		grey, rich in yellow chert(?).													
108.2	109.7	Sericite Graphite Phyllite	0.3/1.5												
		dark grey-black, $F_2 = 90°$, core broken													
		into chip av. 1 cm diameter, 15% (?)													
		graphite													
109.7	120.7	Quartz Sericite Phyllite													
		dark grey well foliated $F_2 = 80° \pm 10°$, first													
		contact gradational details													
		109.7 - 111.4 as above fractured broken	1.2/1.7												
		111.4 - 112.8 as above sheared	0.6/1.4												

DIAMOND DRILL RECORD

LOGGED BY _____ D.D.H. Nº U-48 PAGE 8/8

PROPERTY _____

LATITUDE _____ STARTED _____

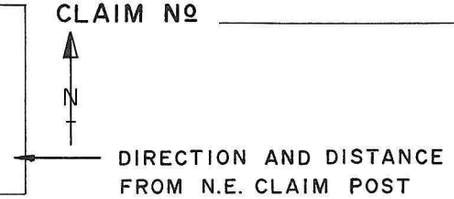
DEPARTURE _____ COMPLETED _____

ELEVATION _____ PROPOSED DEPTH _____

ULTIMATE DEPTH _____

HOLE SURVEY:		
DEPTH	BEARING	DIP

CLAIM Nº _____



DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		112.8 - 114.0 as above competent, slightly fissile	1.1/1.2												
		114.0 - 114.7 as above strongly sheared	0.3/0.7												
		114.7 - 120.7 as above competent, parting along F_2 average 4cm interval	4.5/6.0												
	120.7	End of Hole, lost water return @ 120.7 stopped due to danger of sticking rods.													

(calc to d.) ✓ typed - WP. wt Av. checked AR

DIAMOND DRILL RECORD

LOGGED BY A. Y. Po

D.D.H. Nº U-49 PAGE 1/5

PROPERTY GRUM

LATITUDE 10825.927 (5+23 GN)

DEPARTURE 7648.088 (+20W 7440)

ELEVATION 1144.5 m

STARTED MARCH 24, 1976.

COMPLETED MARCH 25, 1976

PROPOSED DEPTH

ULTIMATE DEPTH 82.3

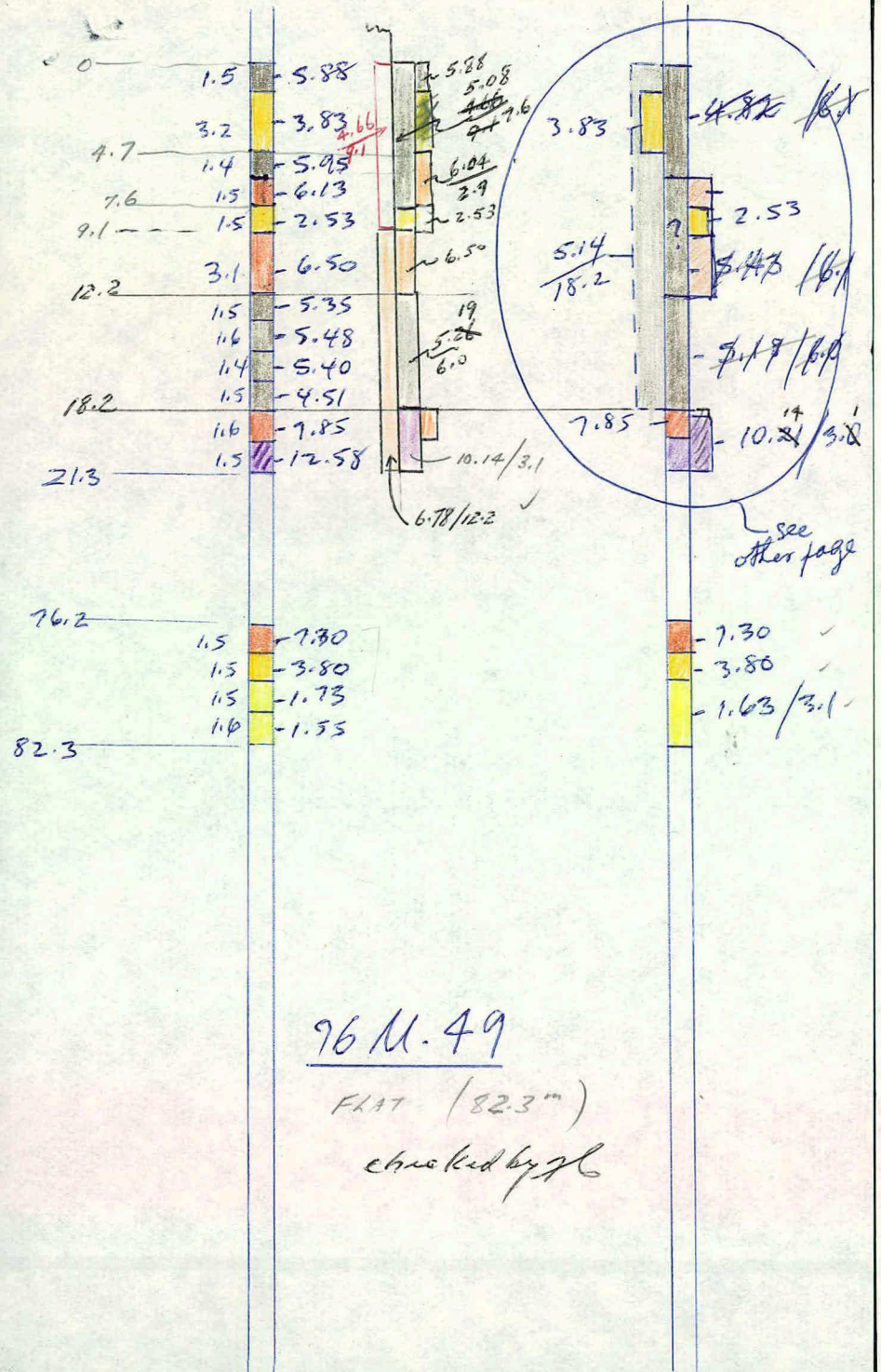
HOLE SURVEY:		
DEPTH	BEARING	DIP
~~82.3~~	~~Azt 224~~	~~0~~
Collar	222°39'01"	+00°50'
No Sperry Sun survey.		
H.D. =	82.29	
V.D. = +	1.18 (1145.74 El.)	

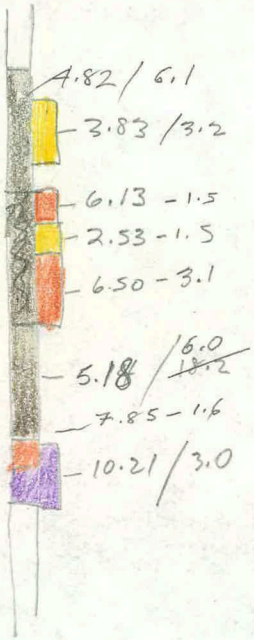
CLAIM Nº

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Pb	Zn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	13.7	Qtz.-sulfide; highly siliceous; competent. Distinct F_2 ≯10°±5 oftentimes with parallel sulfide bands 0.5-1cm. F_1 ≯30°±5° defined by alternating and sometimes interlacing qtz-sulfide bands. Sulfide stringers 0-5° occassionally cut across F_2, feeding into the sulfide bands. minor sericites in fx			30°-45°.												
		0-1.5 - very distinct crenulated F_1. Sulfides sometimes parallel, oftentimes cutting across the plane.	25	4	1.4/1.5	2004	0	1.5	1.5	2.08	3.80	35.31			3.12	5.70	52.965
		1.5-4.7 - same as above; fold nose at 2.5. Local concentration of sph and clots of pb	25	6	3.0/3.2	2005		4.7	3.2	1.28	2.55	21.26			4.096	8.16	68.032
		4.7-6.1 - same as above; F_1 distinct with sulfide stringers cutting across it.	30	8	1.4/1.4	2006		6.1	1.4	2.05	3.90	32.23			2.87	5.46	45.122
		6.1-7.6 - same as above; with lesser sulfide showing	20	6	1.5/1.5	2007		7.6	1.5	2.28	3.85	35.31			3.42	5.775	52.965
		7.6-9.1 - Local concentration of banded sulfides. Vugs lined w/ xl line Ba - @ 8.6 m. Traces of graphite along F_2 plane	20	6	1.5/1.5	2008		9.1	1.5	0.93	1.60	19.14		0	1.40	2.40	25.71
						Wt. Av.	0	7.6	7.6	1.78	3.30	28.83		0	13.506	25.095	219.084
						Wt. Av.	4.7	7.6	2.9	2.17	3.87	33.82			6.29	11.235	98.087
						" "	0	9.1	9.1	1.64	3.02	26.90			14.91	27.5	244.78





96M.49

FLAT (823m)

checked by JL

DIAMOND DRILL RECORD

LOGGED BY A.Y. Po D.D.H. Nº U-49 PAGE 2/5

PROPERTY GRUM

LATITUDE _____ STARTED _____

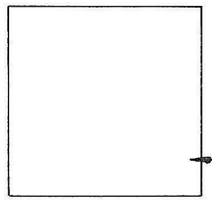
DEPARTURE _____ COMPLETED _____

ELEVATION _____ PROPOSED DEPTH _____

ULTIMATE DEPTH _____

CLAIM Nº _____

HOLE SURVEY:		
DEPTH	BEARING	DIP



DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Py	Zn	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		9.1 - 12.2 - same as above. Highly siliceous.															
		Bands of sulfides parallel w/ F_2, occassionally also															
		cutting across it. Sericite increasing.	30	8	3.0 / 3.1	2009	9.1	12.2	3.1	1.65	4.85	21.26			5.12	15.04	65.91
		12.2 - 13.7 - Very distinct F_2 marked by sericite, bands															
		of quartz and sulfide rich laminaes. Shearing															
		at 13 - 13.7 - parallel to F_2 - marked by gritty															
		gouge material.	2	6	1.5 / 1.5	2010		13.7	1.5	1.75	3.60	25.37			2.625	5.40	38.055
13.7	19.8	Qtz sulphide; highly siliceous, competent.															
		~~F_1~~ distinct ~40° ± 5° marked by parallel, sometimes															
		interlacing bands of qtz and sulfide-rich laminaes.															
		local Zn rich stringers cutting across and sometimes															
		parallel to F_2. Crenulated F_1 - 30° ± 5 marked by sericite															
		w/ sulfide stringers. ~~Short~~ small shearing zones near															
		middle and end of run. Details ~															
		13.7 - N3 - Same as above. Bx at 14.0 - 14.5 ~ frag-															
		ments of sulfides and quartz pebbles 1-3 cm. completely															
		healed by quartz	20	4	1.4 / 1.6	2011	13.7	15.3	1.6	2.28	3.20	31.20			3.648	5.12	49.92

DIAMOND DRILL RECORD

LOGGED BY A.Y. Po

D.D.H. Nº U-49

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PROPERTY GRUM

CLAIM Nº

LATITUDE

STARTED

DEPARTURE

COMPLETED

ELEVATION

PROPOSED DEPTH

ULTIMATE DEPTH

HOLE SURVEY:		
DEPTH	BEARING	DIP

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION			Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		15.3-16.7 - Same as above	25	6	1.2/1.4	2012	15.3	16.7	1.4	2.10	3.30	31.20			2.94	4.62	43.68
		16.7-18.2 - Shattered ground at 17.3-17.7 characterized by sericite and gritty clayey material.	20	4	1.3/1.5	2013		18.2	1.5	1.73	2.78	27.43			2.595	4.17	41.145
		18.2-19.8 - Shattered ground 18.5-19.2 Fragments of sulfides and quartz pebbles cemented by sericitic clay	25	6	1.4/1.6	2014		19.8	1.6	2.25	5.60	42.51			3.6	8.96	68.016
19.8	21.3	Qtz sulfide; sheared and brecciated. sulfides and qtz fragments cemented by sericitic clay.	20	4	1.0/1.5	2015		21.3	1.5	2.95	9.63	53.49			4.425	14.445	80.235
		Local concentrated clots of sulfides in places.				Wt. Av.	9.1	21.3	12.2	2.05	4.73	31.72	✓		24.96	57.76	386.96
21.3	41.1	Qtz-ser phyllite w/ short runs of bleached phyllite. Partly Fissile				W.Av.	12.2	18.2	6.0	1.97	3.22	28.80		0	11.808	19.31	172.800
		Distinct F_2 - 40° sometimes changing down to 20°.				Wt. Av.	18.2	21.3	3.1	2.59	7.55	47.83		0	8.025	23.405	148.251
		F_1 crenulations 30° in bet. F_2 bands. Ex. 23.2 & 27.4 ~ F_2															
		28.4-28.7 - bleached phyllite laminaes.															
		36.5-36.6. Shear; phyllite fragments cemented by ser. clay.															
		36-36.8 - bleached phyllite; contacts gradational															
		37.6 ~~37.6~~ -40.2 - bleached phyllite; contacts marked by bull qtz.															
		Overall good core recovery ~ 90%															

Plot

DIAMOND DRILL RECORD

LOGGED BY A.Y. Po

PROPERTY GRUM

D.D.H. No. U-49 PAGE 4/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: Ultimate: _____

N

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
41.1	57.9	Qtz-ser phyllite. Generally same to previous run. F_2 ~40°; F_1 20° and off-setted by F_2. Very minor, discontinous train of sulfides parallel to F_2 and partly F_1. With short runs of bleached phyllites. Competent 45.8-45.9 - shear zone. Bx bull quartz w/ sericitic clay 54.8-54.9 - shear zone. Bxted phyllite and bull qtz. cemented by sericitic clay 56.7-57.2 - Bleached phyllite. Contacts marked by bull qtz and chlorites. OVERALL GOOD RECOVERY - >90%													
57.9	70.1	QTZ-SER., COMPETENT. Distinct F_2 40° and F_1 - 20°. F_1 defined by fairly regular laminaes transposed by F_2. Sericite bands in F_1 exhibits small folding; axial plane // parallel to c.a. Very minor sulfides sporadically distributed. 66.4-67 - shearing. Phyllite & qtz fragments cemented by clay and sericite flakes.													

DIAMOND DRILL RECORD

LOGGED BY A. Y. Po

PROPERTY GRUM

D.D.H. No. U-49 PAGE 5/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

N ← DIRECTION AND DISTANCE FROM NE. CLAIM POST

CLAIM No. _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION			Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
70.1	76.2	QTz - Sericite. competent; well defined Fz 45°; Fi 10°.															
		Occassional sulfide Showings sporadically distributed with the qtz															
		band. Pyrrh clots in 70.1 - 70.2. Good core recovery > 90%															
76.2	82.3	QTz sericite sulfides; competent; well defined alternating															
		bands of qtz-ser-sulfides defining Fz. 40° and partly Fi. Fi															
		axial plane parallel to Fz and oftentime the two merges.															
		Short runs of bleached phyllites. Details:															
		76.2 - 77.7 - Bleached phyllite @ 76.5 - 77.5	15	4	1.5/1.5	2016	76.2	77.7	1.5	2.15	5.15	33.26					
		77.7 - 79.2 - Sulfide concentration 78.2 - 78.4 in bleached	20	4	1.5/1.5	2017	77.7	79.2	1.5	1.65	2.15	20.23					
		phyllite. Rest are very siliceous ~~host~~ rock.	15	4	1.5/1.5	2018	79.2	80.7	1.5	1.35	0.38	12.00			2.025	0.57	18.00
		79.2 - 80.7 - see general description.	15	4	1.6/1.6	2019	80.7	82.3	1.6	1.35	0.20	10.97			2.16	0.32	17.552
		80.7 - 82.3 - Shear at 81.1 & 81.2, healed by quartz and															
		partly w/ sericitic clay. Partly chloritic grdmass.															
		END OF HOLE IN SULFIDE ZONE				W.Av.	79.2	82.3	3.1	1.63	Pb-Zn				4.185	0.89	

Typed-MP.

DIAMOND DRILL RECORD

LOGGED BY Glenn Tetu March 26/76

PROPERTY Grum Joint Venture (Underground)

D.D.H. No. 76U 50 PAGE 1/5

LATITUDE 10825.6 (5+24.5 S) BEARING OF HOLE 189° - 02' 53" STARTED March 25/76

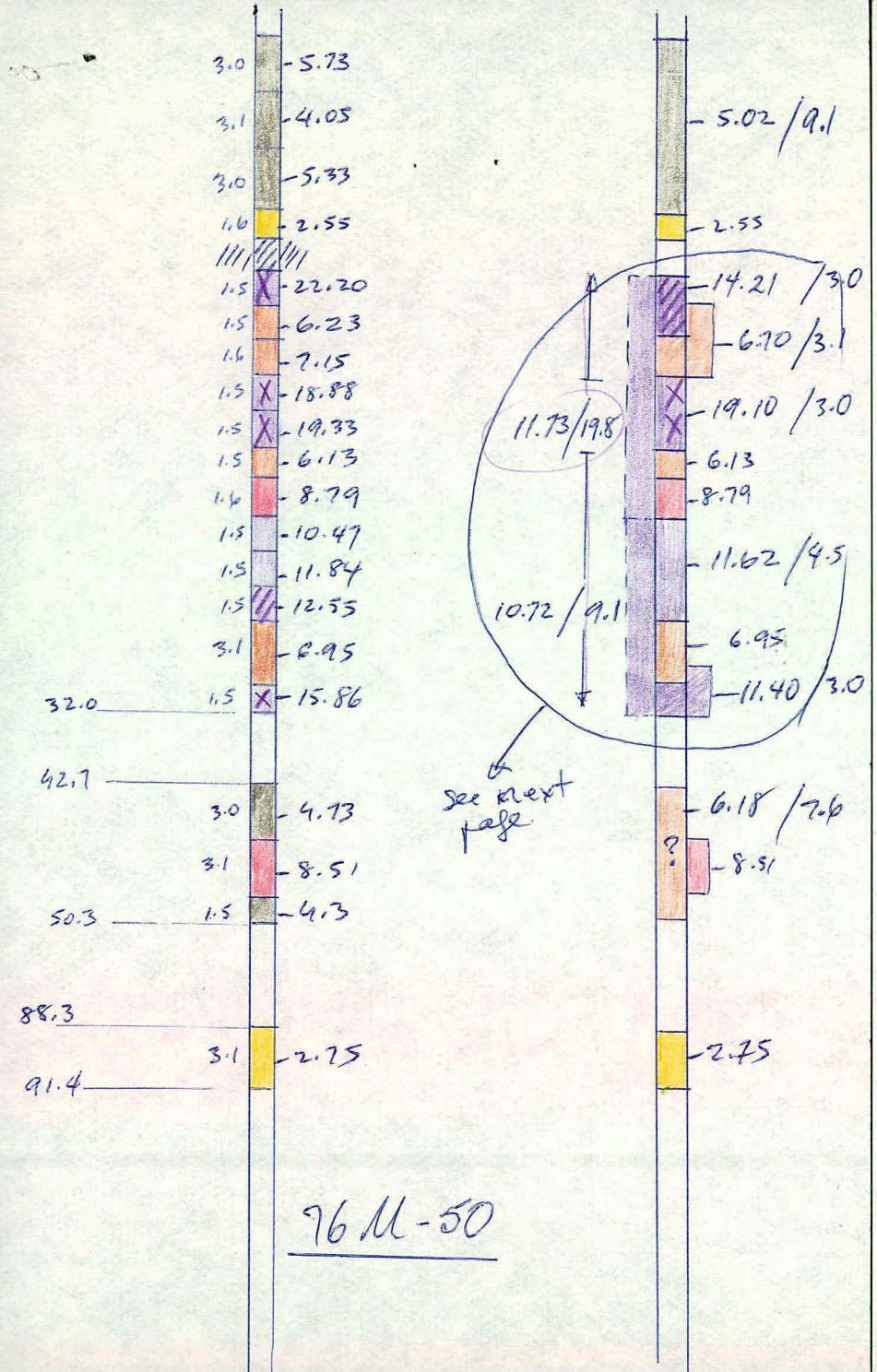
DEPARTURE 7643.9 (74+1.5 W) DIP OF HOLE ~~0.~~ +08 37' COMPLETED March 26/76

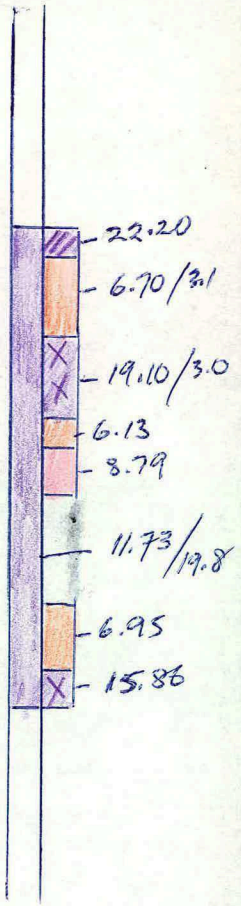
ELEVATION 1144.5 m DIP TESTS ~~missed.~~ Azimut. 189. DEPTH Proposed: Ultimate: 91.4

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	P_1	P_{b2}	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	56.8	Quartz ~~Sericite~~ sulphide ~~Phyllite~~ with Sericite															
		dark grey, mod foliation @ 5° ± 5° locally variable															
		as noted below, F_1 @ 90° to F_2 drag folded															
		and offset along F_2, av. ~~80~~ ± 10°; sericite av. 10%															
		highly siliceous, sulphides as bands av. 15%															
		vary in width from <1mm to 2cm, follow either	8	4	2.9/	2026	0	3.0	3.0	2.05	3.68	43.54			6.15	11.04	130.62
		F_1 or F_2 structures; competent minor fracturing	8	3	3.1/	2027	3.0	6.1	3.1	1.30	2.75	17.14			4.03	8.525	53.134
		@ 45°, 70° details	6	3	3.0/	28	6.1	9.1	3.0	1.50	3.83	25.37			4.50	11.49	76.11
		0 - 10.7 qtz sulphide, as above, sheared 9.5 - 9.8	4	2	1.5/	29	9.1	10.7	1.6	0.80	1.75	14.06	(2.55	Pb-Zn)			
		10.7 - 12.2 - bleached sericite chlorite phyllite			1.4/	(bleach phyllite)	10.7	12.2	1.5								
		pale yellow green, F_2 - 5, competent	4	4?	(0.3)/1.5	30	12.2	13.7	1.5	9.72	12.48	150.19			14.58	18.72	225.285
		12.2 - 16.0 qtz sulphide, highly fractured and	4	3?	(0.3)/1.5	31	13.7	15.2	1.5	2.93	3.30	44.23			4.395	4.95	66.345
		broken, as coarse gravel	5	3?	(0.8)/1.6	32	15.2	16.8	1.6	3.20	3.95	52.46			5.12	6.32	83.936
		16.0 - 24.8 qtz. sulphide, competent, F_2 poorly	5	7	1.5/	33	16.8	18.3	1.5	7.57	11.31	136.12			11.355	16.965	204.18
		defined and variable 0 - 30°	5	8	1.5/	34	18.3	19.8	1.5	7.87	11.46	147.09			11.805	17.19	220.635
		24.8 - 29.4 as above, fractured and broken	3	5	1.4/	35	19.8	21.3	1.5	2.38	3.75	41.49			3.57	5.625	62.235
		sheared @ 25.3 - 25.4 and 27.9 - 28.1	4	5	1.1/	20 36	21.3	22.9	1.6	2.93	5.86	49.37			4.688	9.376	78.992


3.0 - 5.73
3.1 - 4.05
3.0 - 5.33
1.6 - 2.55
1.5 - 22.20
1.5 - 6.23
1.6 - 7.15
1.5 - 18.88
1.5 - 19.33
1.5 - 6.13
1.6 - 8.79
1.5 - 10.47
1.5 - 11.84
1.5 - 12.55
3.1 - 6.95
32.0
1.5 - 15.86
42.7
3.0 - 4.73
3.1 - 8.51
50.3
1.5 - 4.3
88.3
3.1 - 2.75
91.4
- 5.02 / 9.1
- 2.55
- 14.21 / 3.0
- 6.70 / 3.1
- 19.10 / 3.0
11.73 / 19.8
- 6.13
- 8.79
- 11.62 / 4.5
10.72 / 9.1
- 6.95
- 11.40 / 3.0
see next page
- 6.18 / 7.6
?
- 8.51
- 2.75
76 M-50


- 22.20
- 6.70 / 3.1
- 19.10 / 3.0
- 6.13
- 8.79
- 11.73 / 19.8
- 6.95
- 15.86

DIAMOND DRILL RECORD

LOGGED BY S.J.

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. U-50 PAGE 2/5

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	R	Pb Zn	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		29.4-30.2 fault gouge dark grey mud	4	5	1.5/	2037	22.9	24.4	1.5	3.38	7.09	58.63			5.07	10.635	87.945
		with fragments of qtz sulphide	4	4	1.3/	38	24.4	25.9	1.5	4.25	7.59	75.77			6.375	11.385	113.655
		range to 2 cm diam.	4	5	1.3/	39	25.9	27.4	1.5	4.70	7.85	77.83			7.05	11.775	116.745
		30.2-30.6 qtz. sulph. competent	4	4	2.7/	40	27.4	30.5	3.1	2.65	4.30	44.23			8.215	13.33	137.113
		30.6-31.2 fault gouge as describe above	4	4	(1.0)/1.5	2041	30.5	32.0	1.5	5.31	10.55	80.57			7.965	15.825	120.855
		31.2-31.9 qtz. sulphide, sheared															
		31.9-32.4- qtz sulphide, fractured broken			0.3/0.5												
		32.4-32.7 fault gouge, as above			0.2/0.3	W.Av.	0	9.1	9.1	1.61	3.41	28.56			14.68	31.055	259.864
		32.7-38.9 qtz sulphide, parting along F_2			5.4/6.2	W.Av.	12.2	32.0	19.8	4.55	7.18	76.66			90.188	142.096	1517.891
		common F_2: 5°, also fracturing @ 30°, 80°				W.Av.	13.7	16.8	3.1	3.07	3.63	48.47			9.515	11.27	150.281
		sulphide content av. 2% tr PbZn				W.Av.	16.8	19.8	3.0	7.72	11.38	141.605			23.160	34.155	424.815
		as diss. in qtz rich bands parallel F_2.															
		38.9-42.7 as above, competent, 4% sulphide															
		mainly py tr sph, gal															
		42.7-45.7 as above generally competent highly fractured @															
		43.7-44.2, 45.2-45.5 Py 4 PbZn 3			2.8/3.0	2042	42.7	45.7	3.0	2.18	2.55	30.17					
		45.7-48.8 as above, broken fractured 47.1-47.5, Py 4 PbZn 3			2.6/3.0	2043	45.7	48.8	3.1	5.71	2.80	62.40					

DIAMOND DRILL RECORD

LOGGED BY SJ

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. 11-50 PAGE 3/5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		48.8 - 50.3 as above, competent $P_y 5$, Pb Zn 2	1.5/1.5	#044	48.8	50.3	1.5	2.90	1.40	36.34					
		50.3 - 56.8 as above, generally competent, fracturing	6.2/6.5												
		@ 70°, cummonparting along F_2 = 10°													
		(but locally steepens to 60°), 10%													
		sulphide mainly py with tr. spl. gal.													
		sulphide mainly follow F_2 struct.													
		second contact qtz. vein 10cm wide													
		@ 30°													
56.8	61.0	Quartz Sericite Phyllite ± Chlorite	4.0/4.2												
		dark blue green, well foliated F_2 = 10°, competent													
		minor fracturing @ 70°, 40°, chlorite as fine													
		bands parallel F_2, 60.7-60.8 massive chlorite,													
		4% sulphide py ± spl ± gal. as irregular stringer													
		x-cutting F_2; second contact gradational													
61.0	67.3	Sericite Phyllite ± Graphite	6.3/6.3												
		dark grey black, F_2 generally poorly defined													
		@ 5°, F_1 distinctive @ 30° ± 10° locally													

DIAMOND DRILL RECORD

LOGGED BY SJ

PROPERTY

D.D.H. No. U-50 PAGE 4/5

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		merges with F_2; competent minor fracturing @ 80°, av. 8% sulphides as bands parallel F_1, py ± sph ± gal ± po, 65.3 - 65.6 and 66.9 - 67.1 av. 3% PbZn, av. 10% graphite, locally (e.g.) 62.1-62.5 63.7-64.0 graphite av. 30%; qtz vein @ 20° @ 64.4-64.8 milk white with inclusions of brown carb. (2%) and sulphide (1%)													
67.3	85.3	Quartz Sericite Phyllite dark grey - black, well foliated F_2 = 10°±5°, F_1 generally @ 90° + F_2, ϵA = 90°-70°, competent minor fracturing @ 70° qtz veins @ 30°, av. 10cm wide, @ 68.0, 71.6, 74.0, 75.2, 80.0-80.5, 83.8. second contact marked by sheared bleached phyllite.	17.6/18.0												
85.3	86.9	Graphite Sericite Phyllite	1.5/1.6												

DIAMOND DRILL RECORD

LOGGED BY JJ

PROPERTY

LATITUDE BEARING OF HOLE STARTED

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

D.D.H. No. U-50 PAGE 5/5

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		~~dac~~ grey-black, well foliated F_2 = 30°, fissile, 1% sulphide as fine stringers diss., second contact 86.7-86.9 @ 30° strongly broken													
86.9	88.3	Calcite - Chlorite ± Fuchsite Alt. Zone mod. well foliated @ 30°, friable, 20% calcite; locally flakes of fuchsite, bright blue green, chlorite dark green - 20%, also present cream coloured chert. approx 1% po diss fine grains av. 1mm diam.	1.3/1.7												
88.3	91.4	Quartz Sulphide with Sericite - Pb 1.0 Pb Zn 2 mod foliation F_2 = 30°, F_1 locally defined by sulphide bands @ 60°; fracturing @ 20° also common parting along F_2 detail	3.0/3.1	2045	88.3	91.4	3.1	1.65	1.10	17.14					
		88.3 - 90.2 as above pale yellow siliceous													
		90.2 - 91.4 dark grey with traces of graphite													
		91.4 - end of Hole													

(code holder) V wt. Av. checked by JL. Typed = UP.

DIAMOND DRILL RECORD

LOGGED BY Alexander Y. Po

PROPERTY GRUM JOINT VENTURE

D.D.H. No. U-51 PAGE 1/5

LATITUDE* 10,826 6N BEARING OF HOLE* 224° STARTED MARCH 26, 1976

DEPARTURE* 7643 74W DIP OF HOLE* +48° COMPLETED MARCH 27, 1976

ELEVATION* 1146.7 DIP TESTS None. ~~Azimut 224.~~ DEPTH Proposed: Ultimate: 70.1 M

H.D. = 46.80
V.D. = 52.09 (1198.89 Ft.)

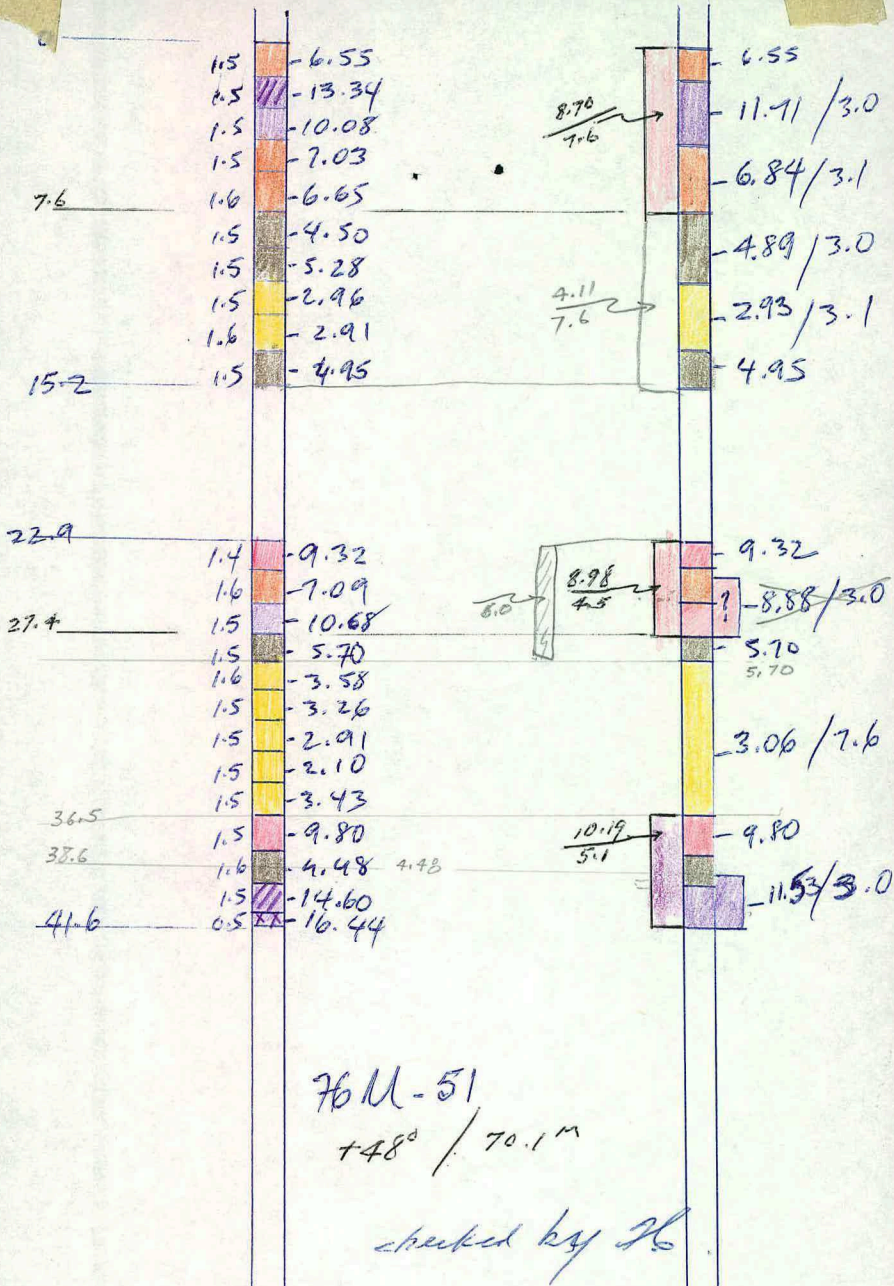
* Approximated

CLAIM No.

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	15.2	QTZ - Sulfide; Broken cores; highly fissile. F2 40° - regular and interlacing QTZ-sulfide bands. F1 very crenulated and off-setted by F2 ax. plane parallel to F2. Local concentration of Sulfides in and around shattered grd.. Vuggy in places													
		0-1.5 - First 10 cm is shattered grd. gradually getting more sulfides toward end of run (PY 20, ZN 6)	1.0/1.5	2020	0	1.5	1.5	2.10	4.45	35.31			3.15	6.675	52.965
			0.8/1.5	2021	1.5	3.0	1.5	3.20	10.14	49.37			4.80	15.21	74.055
		1.5-3.0. Distinct enriched sulfide bands parallel to F2. Vuggy. Bx 1.5 - 1.6 - fragments of qtz, sulfides, phyllites & 1 cm. cemented by sericitic clay (PY 30, ZN 8)	1.0/1.5	2022	3.0	4.5	1.5	3.15	6.93	56.57			4.725	10.395	84.855
			1.2/1.5	2023	4.5	6.0	1.5	2.93	4.10	46.29			4.395	6.15	69.435
			0.7/1.6	2024	6.0	7.6	1.6	2.45	4.20	44.23			3.92	6.72	70.768
		3.0 - 4.5 - Fairly consistent distribution of sulfide bands.	0.4/1.5	2025	7.6	9.1	1.5	1.60	2.90	25.37			2.40	4.35	38.055
		4.5 - 6.0 - same as previous run; core has wide bands of sulfides	0.7/1.5	2046	9.1	10.6	1.5	1.53	3.75	30.17			2.295	5.625	45.255
			0.4/1.5	2047	10.6	12.1	1.5	1.68	1.28	25.37			2.52	1.92	38.055
		6.0 - 7.6 - shattered grd. at 7.5 (?) - 7.6. Poor recovery	0.5/1.6	2048	12.1	13.7	1.6	1.48	1.43	23.31			2.368	2.288	37.296
		7.6 - 9.1 - Core all broken up. Shear ~~fr~~ 8.0 m to 8.5	0.4/1.5	2049	13.7	15.2	1.5	2.65	2.30	38.40			3.98	3.45	57.60
					Wt. Av.	0	7.6	7.6	2.76	5.94	46.33			20.990	45.150	352.078
					Wt Av.	1.5	4.5	3.0	3.17	8.54	52.97			9.525	25.605	158.910
		9.1 - 15.2 - Essentially similar to previous "7.6-9.1" run but w/ ~~decr~~ decreasing mineralization. Shears - 11-5 → 12.1; 12.5-12.6; 14.0 - 14.1			Wt Av.	4.5	7.6	3.1	2.68	4.16	45.23			8.315	12.87	140.203
					Wt Av.	7.6	10.6	3.0	1.57	3.32	27.77			4.695	9.975	83.310
					Wt Av.	10.6	13.7	3.1	1.58	1.35	24.31			4.888	4.208	75.361
					Wt Av.	7.6	15.2	7.6	1.79	2.32	28.46			13.57	17.64	216.26



HM-51

+48° / 70.1 m

checked by H.

DIAMOND DRILL RECORD

LOGGED BY Alexander Young P.o

PROPERTY GRUM JOINT VENTURE

D.D.H. No. U-51 PAGE 2/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: Ultimate: 70.1 M

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
15.2	22.9	QTz-sericite phyllite; fairly competent with distinct Fz - 45°; Fl 20-30° regular wavy laminae bet. Fz. Minor sulfide showings asso. with quartz stringers. Shearing towards end of run. Details:													
		14.2 – 15.3 shear with minor sulfide showings.													
		18.0 – 18.1 shear. phyllite fragments cemented by sericite-clay.													
		19.6 – 19.8 shear. phyllite-quartz fragments (Bx) cemented by sericitic clay													
		21 – 21.2 - Gouge w/ very small fragments of phyllite and qtz. associated with small sulfide grains.													
		21.3 – 22.9 - All gouge material w/ fragments of phyllite – qtz – sulfides poor recovery 0.2/1.6													
22.9	27.4	QTz-sericite-sulfide w/ traces of graphite. Sulfide rich in first 0.5 cm of run and gradually tapering into bleached sericite w/ Fuchsite associated with local concentration of sulfides. Details													
~~27.4~~		22.9 – 24.3 – Broken grd in first 10 cm of run. Bleached seri-													

see p93

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. U-51 PAGE 3/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION			Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		cite from 24 to 24.3. Fz - 30°-40°; F1 - 20°-30° oftentimes merging w/ Fz.															
		24.3 – 25.9 - Broken ground w/ short span of bleached phyllite and intervals of sulfide bands.															
		25.9 – 27.4 - Very poor grd. Fragments and pebble size bleached phyllites, quartz, sulfides mixed together.															
27.4	28.9	Broken ground; QTz sericite sulfide with short runs of bleached phyllite. Trace of graphite. Fz - 40° F1 - crenulated ax. plane - 20°.	20	8	0.9/1.4	2050	22.9	24.3	1.4	3.93	5.39	74.74			5.502	7.546	104.636
			20	4	0.8/1.6	2051	24.3	25.9	1.6	1.95	5.14	28.46	cdc		3.12	8.224	45.536
			25	8	0.2/1.5	2052	25.9	27.4	1.5	2.75	7.93	42.51			4.125	11.895	63.765
28.9	30.5	Fairly competent; Quartz Sulfide; Fz very distinct 45° w/ F1 - almost parallel to it. Half of core run is bleached phyl. w/ fuchsite (30 - 30.5).	20	6	1.0/1.5	2053	27.4	28.9	1.5	2.20	3.50	35.31		c	3.30	5.25	52.97
			20	4	1.4/1.6	2054	28.9	30.5	1.6	1.08	2.50	17.14			3.58	Pt 2n	
			20	4	1.4/1.5	2055	30.5	32.0	1.5	1.58	1.68	20.23			3.26	"	
30.5	39.6	Quartz sulfide sericite w/ short runs of bleached phyllite. Fairly competent grd., very siliceous. Fz distinct 45° w/ F1 parallel. Sulfide bands and peppering in grdmass more evenly distributed than previous runs except for local concentration in places. Graphite traces indicated.	30	6	1.5/1.5	2056	32.0	33.5 ~~35~~	1.5	1.08	1.83	14.06			2.91	"	
			30	6	1.5/1.5	2057	~~33~~ 35	35.0	~~1.5~~ 1.5	0.65	1.45	13.03			2.10	"	
			30	6	1.5/1.5	2058	35.0	36.5	1.5	1.88	1.55	31.20			3.43	"	
			30	8	1.5/1.5	2059	36.5	38.0	1.5	3.18	6.62	55.54			4.77	9.93	83.31
			30	8	1.4/1.5	2060	38.0	39.6	1.6	1.65	2.83	30.17			2.64	4.528	48.272
		details	30	8	1.5/1.5	2061	39.6	41.1	1.5	5.61	8.99	98.74			8.415	13.486	148.11

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY GRUM

D.D.H. No. 4-51 PAGE 4/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

CLAIM No. _____

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		30.5 - 32 - First 10 cm, bleached sericite phyllite w/ fracture. It then gradually changes to quartz sericite sulfide. Py 30	Zn-8 0.5/0.5	2084	41.1	41.6	0.5	6.30	10.14	94.63			3.15	5.07	47.315
		32 - 39.6 - Essentially quartz sericite sulfide, w/ evenly distributed mineralization and patchy concentration in places.		W.Av W.Av W.Av W.Av	22.9 22.9 28.5 38.6	28.9 27.4 36.5 41.6	6.0 4.5 7.6 3.0	2.68 2.83 3.06 4.40	5.49 6.15 Pb Zn. 7.13	44.49 47.54 75.19			16.05 12.747 13.215	32.92 27.665 21.385	266.91 213.937 225.593
39.6	41.1	QTZ - sericite sulfide $F_1 \approx F_2$ 60° with large bands of almost massive sulfides. Sulfides increases toward end of run. MASSIVE sulfide 40. - 41.1 sharp contact. 90°		W.Av.	36.5	41.6	5.1	3.72	6.47	64.12			18.975	33.013	329.007
41.1	42.6	MASSIVE SULFIDES from 41.1 - 41.2. Sharp contact w/ chloritic ftg sericite phyllite. Very Siliceous w/ very minor sulfide peppering													
42.6	59.4	QTZ sericite phyllite. Very siliceous partly chloritic w/ minor sulfide showing. F_2 45-50°; F_1 - 30°. Bleached phyllite in some intervals. Relatively competent w/ good core recovery. 45.7 - 47.2 has poor recovery beck of mislatch 0.4/1.5. 48 - 49 - bleached phyllite. 53.3 - 56 bleached phyllite 56 - 59.4 QTZ ser. phyl. F_2 - 60° F_1 - parallel to F_2													

DIAMOND DRILL RECORD

LOGGED BY A.Y. Po

PROPERTY GRUM

D.D.H. No. 4-51 PAGE 5/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

CLAIM No. _____

N ← DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
59.4	70.1	QTz sericite; competent. Fz clearly indicated 60-70 w/ Fi as crenulated structure parallel (axial plane) to Fz. completely barren except for sporadic and rare grains of py.
		59.4 - 65.5' - essentially as described above
		65.5' - 67 - shear at 66.8 to 67. QTz pebbles and phyl fragments cemented by dark sericitic clay.
		67 - 68.5' - QTz ser phyllite - very fissile but w/ high core recovery 1.5/1.5 Fz 70-75° Fi ≥ 60°
		68.5' - 70.1 - QTz ser phyl. patly chloritic Fz - 75 Fi - 60 and the two sometime merges. HOLE BOTTOMED IN WASTE.
	70.1	End of hole

Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag

DIAMOND DRILL RECORD

LOGGED BY Glen Titus

PROPERTY Crum Joint Venture (Underground)

D.D.H. No. 76 U-52 PAGE 1/4

LATITUDE 10826.400 5+24N BEARING OF HOLE 229°-~~23~~ 55' STARTED March 27/76

DEPARTURE 7643.2 E 86 74 +2.0W DIP OF HOLE ~~-62~~ +65° 13' ~~N~~ COMPLETED March 28/76

ELEVATION 1147.3 M DIP TESTS Proposed: DEPTH Ultimate: 57.9

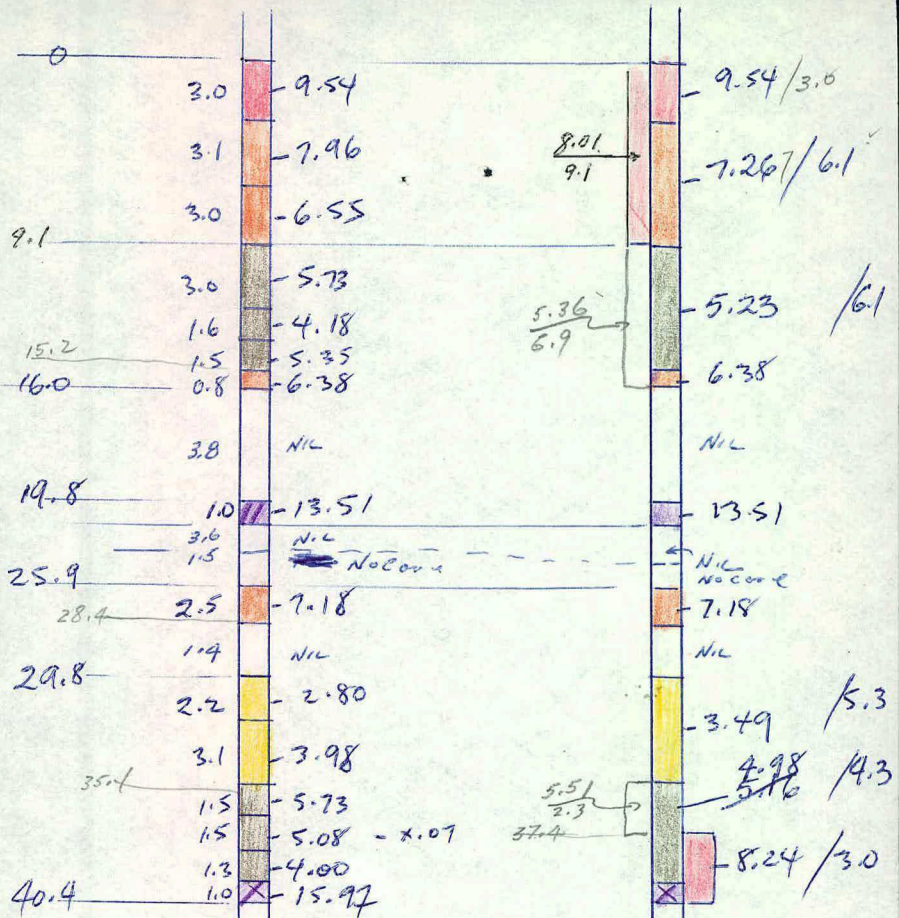
~~Azimut 224.~~

N.D. = 24.27
V.D. = 52.57 (1179.87 EL.)

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	40.4	Quartz Sulphides with Sericite ± Graphite													
		generally dark grey, mod-poor foliation F_2 = 85°, F_1													
		locally @ 90° to F_2 but variable ca. 0-30°, minor													
		fracturing @ 5°, commonparting along F_2 av. 4cm interval;													
		core recovery variable as noted; graphite occurs locally,													
		increasing in latter part of zone, sulphides as diss.													
		in qtz rich bands generally follow F_2 locally													
		parallel F_1 ; details													
		0-3.0 as above competent P_y 20, Pb2n4	2.5/3.0	2062	0	3.0	3.0	2.33	7.21	45.26			6.99	21.63	135.78
		3.0-6.1 as above, highly fractured 4.0-4.5 P_y 20, Pb2n4	2.7/3.1	63	3.0	6.1	3.1	2.15	5.81	41.49			6.665	18.011	128.619
		6.1-9.1 " " , competent, breccia 8.4-8.7, frag. av. 1cm well healed. P_y 18 Pb2n3	2.6/3.0	64	6.1	9.1	3.0	2.05	4.50	31.20			6.15	13.5	93.6
		9.1-12.1 " " , fractured broken 9.4-9.9 P_y 11 Pb2n4	2.2/3.0	65	9.1	12.1	3.0	2.18	3.55	34.29			6.54	10.65	102.87
		12.1-13.7 " " , highly fractured and broken P_y 10 Pb2n3	(0.4)/1.6	66	12.1	13.7	1.6	1.73	2.45	27.43			2.768	3.92	43.888
		13.7-15.2 " " , " " " " , P_y 10 Pb2n4	(0.5)/1.5	67	13.7	15.2	1.5	2.55	2.80	35.31			3.825	4.20	52.965
		15.2-16.0 " " , " " " " , P_y 8 Pb2n3	(0.4)/0.8	20 68	15.2	16.0	0.8	2.78	3.60	36.34			2.22	2.88	29.07
		16.0-19.8 Quartz Sericite Phyllite	3.1/3.8	—	16.0	19.8	—								
		dark grey, well foliated F_2 = 80°, competent,		W.Av.	3.0	9.1	6.1	2.10	5.16	36.43			12.815	31.511	222.219
				W.Av.	9.1	15.2	6.1	2.15	3.08	32.74		0	13.133	18.77	199.723
				W'Av.	0	9.1	9.1	2.18	5.83	39.34			19.805	53.141	357.999



76 M.52

+62° / 57.9 m

Chuted 76

DIAMOND DRILL RECORD

LOGGED BY SJ

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. 11-52 PAGE 2/4

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
				WT. AV.	9.1	16.0	6.9	2.22	3.14	33.16			15.35	21.65	228.79
		sheared 18.0-18.1, fracturing @ 10° commonly with py-cpy fill, qtz vein 16.6-16.7 @ 80°, qtz sulphide with sericite 19.1-19.3													
		19.8-20.8 Qtz Sulphide with Sericite Py 10, Pb Zn 10	1.0/1.0	2069	19.8	20.8	1.0	5.26	8.25	83.66					
		20.8-25.9. Qtz. Sericite Phyllite,	2.5/3.6	—	20.8	24.4									
		grey to pale green, fissile incompetent	0.1/1.5	—	24.4	25.9	- mis	latch							
		F_2 70°, 21.8-22.8 as above, bleached.													
		25.9-28.4 Qtz Sulphide with Sericite and Graphite	2.3/2.5	2070	25.9	28.4	2.5	2.43	4.75	38.40					
		as described above, Py 10, Pb Zn 7													
		28.4-29.8 Kaolin Fuslite Alt Zone, generally	1.4/1.4	—	28.4	29.8	/								
		competent, friable 28.9-29.0													
		29.8-32.0 Qtz. Sulphide, described above, competent Py 10, Pb Zn 5	2.2/2.2	2071	29.8	32.0	2.2	1.30	1.50	17.40			2.86	3.30	38.28
		32.0-35.1 " " , competent Py 12, Pb Zn 4	2.9/3.1	72	32.0	35.1	3.1	2.80	1.18	24.34			8.68	3.658	75.459
		35.1-36.6 " " , competent, 10% graphite Py 15, Pb Zn 6	1.5/1.5	73	35.1	36.6	1.5	2.68	3.05	33.26		o	4.02	4.575	49.89
		36.6-38.1 " " , " , 10% graphite Py 20, Pb Zn 6	1.5/1.5	74	(37.4 - 38.1) 36.6	38.1	(0.7) 1.5	1.93	3.15	34.29		x.7 o	(1.351 2.895)	(2.205 4.725)	(24.003 51435)
		38.1-39.4 " " , " , 5% graphite Py 30, Pb Zn 6	1.3/1.3	75	(36.6 - 37.4) 38.1	39.4	(0.8) 1.3	1.70	2.30	29.14		(	(1.54 2.21)	(2.52 2.99)	(27.43 37.882)
		39.4-40.4 " " , " , 8% graphite, 1% mag. Py 20, Pb Zn 9	1.0/1.0	2076	39.4	40.4	1.0	6.01	9.96	95.66			6.01	9.96	95.66
		massive sulphide 39.4-39.8													
				WT. AV.	37.4	40.4	3.0	3.19	5.05	52.51			9.571	15.155	157.545

carried to next page

DIAMOND DRILL RECORD

LOGGED BY SJ

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. U-52 PAGE 3/4

CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
40.4	45.6	Quartz Sericite ± Graphite Phyllite dark grey-black, well foliated, F_2 = 85°, competent minor fracturing @ 5°, common parting on F_2 av. 5cm interval, first contact = 70° second is gradational, locally minor sulphide ≈ 1% as dics in qtz bands parallel F_2; graphite rich 41.6-42.1, content decreases towards second contact of zone	5.2/5.2	Wt.Av.	29.8	35.1	5.3	2.17	1.32	21.46			11.54	6.958	113.734
				Wt.Av.	35.1	39.4	4.3	2.12	2.86	32.4			9.125	12.290	139.207
				Wt.Av.	35.1	37.4	2.3	2.42	3.09	33.6			5.56	7.10	77.32
45.6	47.2	Quartz Sericite Phyllite dark grey, well fol., F_2 = 90°, competent, minor fract @ 5° with carb filling; 45.6-46.0 bleached sericite, buff-white colour; second contact qtz vein @ 80°	1.6/1.6												
47.2	49.5	Sericite Calcite Phyllite dark grey, mod. foliation F_2 = 85°, F_1 locally @ 90° to F_2 but drag folded and offset along F_2, competent, calcite - 5%, second contact gradational	2.3/2.3												

DIAMOND DRILL RECORD

LOGGED BY S.J.

PROPERTY

D.D.H. No. U-52 PAGE 4/4

LATITUDE BEARING OF HOLE STARTED CLAIM No.

DEPARTURE DIP OF HOLE COMPLETED

ELEVATION DIP TESTS DEPTH Proposed: Ultimate:

N

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Sample Footage From	Sample Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
49.5	57.9	Chlorite Calcite ± Sericite Phyllite	7.0/8.4												
		dark grey-green, mod tol. $F_2 = 85°$, competent,													
		10-15% calcite, locally sericite rich, details													
		55.4-57.9 Fault Zone	1.2/2.5												
		55.4-56.2 sheared phyllite, fissile													
		56.2-56.8 fault gouge dark blue													
		green mud with fragments of													
		phyllite to 1cm.													
		56.8-57.0 Chlorite Phyllite competent													
		57.0-57.9 Chlorite Phyllite as coarse													
		sand fragments range to 1cm													
		diametre (probably cave in hole)													
	57.9	End of Hole, stopped due to danger													
		of sticking rods.													

DIAMOND DRILL RECORD

LOGGED BY Alexander Young P.O.

PROPERTY GRUM JOINT VENTURE

D.D.H. No. U-53 PAGE Page 1/5

LATITUDE 10827.039 | 825 (m) 6W 7445+3.0 W BEARING OF HOLE 225° -01' 23" -00 STARTED MARCH 28/76

DEPARTURE 7643.7677 DIP OF HOLE ~~-80°~~ +83° COMPLETED MARCH 28/76

ELEVATION 1147.50m DIP TESTS None Proposed: DEPTH Ultimate: 60.9

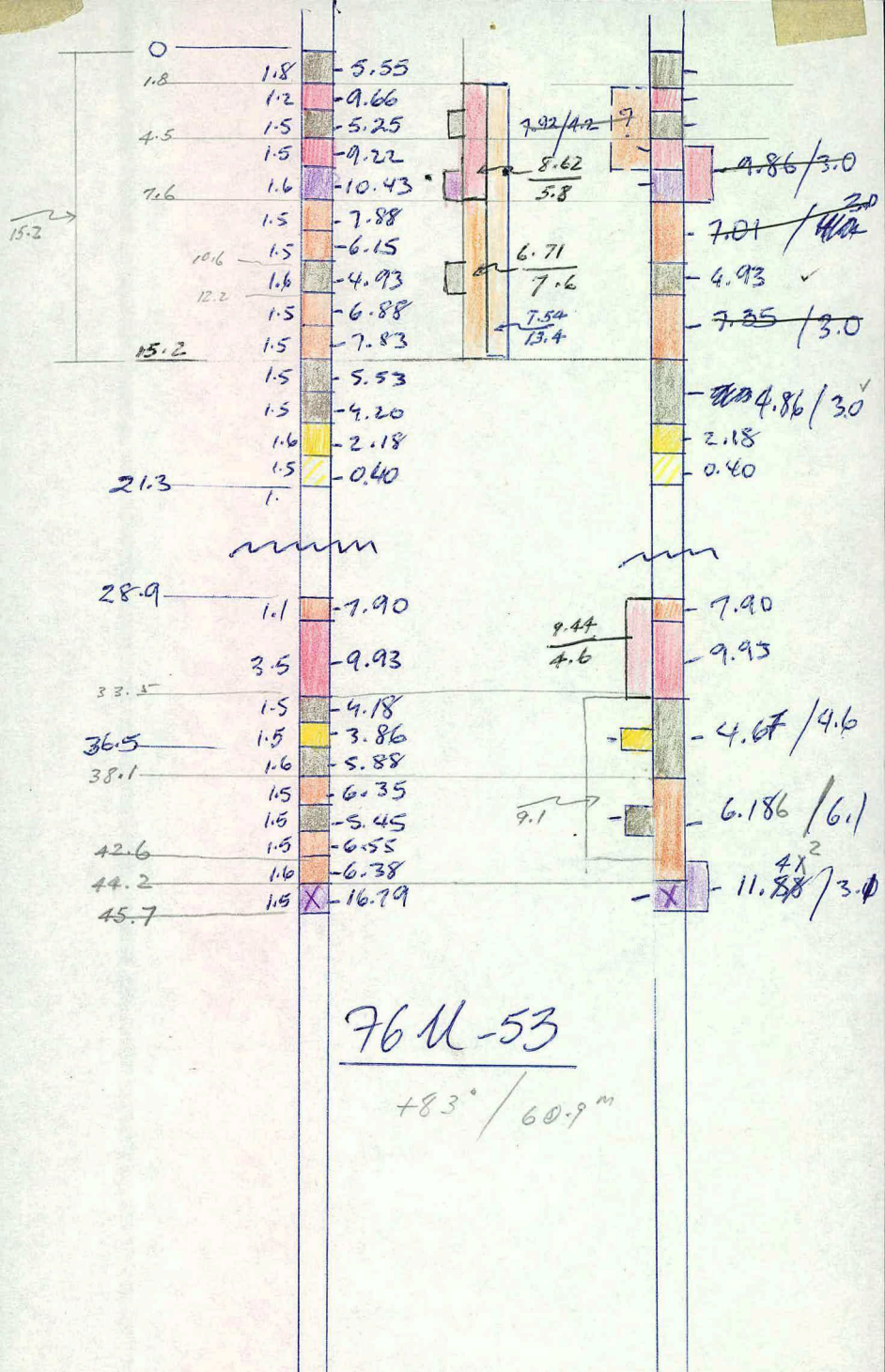
~~Azimuth 224°~~ H.D. = 7.42 V.D. = +60.45 (1207.96 EL.)

CLAIM No.

N ← DIRECTION AND DISTANCE FROM NE. CLAIM POST

(catch to do) Mr A.V. checked JR.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	py	zn	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	10.6	Qtz sulfide. Highly broken grd. Foliation 70∨80° followed by rich bands of sulfides (F1?). Short run w/ massive sulfide bands. F2 not clearly indicated.															
		0-1.8 - Fault @ 1.0∨1.8 - sand of calcitic bleached	30	8	0.7/1.8	2077	0	1.8	1.8	2.00	3.55	38.40			3.60	6.39	69.12
		phyllite (?) w/ minor sulfide grains	30	10	0.4/1.2	2078	1.8	3.0	1.2	3.20	6.46	50.40			3.84	7.752	60.48
		1.8-3.0 completely broken core. Mixture of massive	30	10	0.8/1.5	2079	3.0	4.5	1.5	1.70	3.55	30.17			2.55	5.325	45.255
		sulfides and qtz - ser. phyllite pebbles in 3 cm.	30	10	1.1/1.5	2080	4.5	6.0	1.5	2.98	6.24	54.51			4.47	9.36	81.765
		3.0-4.5 - See gen. description. Very broken core in last	30	10	1.0/1.6	2081	6.0	7.6	1.6	2.63	7.80	50.40			4.208	12.48	80.64
		half of run	35	15	0.8/1.5	2082	7.6	9.1	1.5	2.30	5.58	42.51			3.45	8.37	63.765
		4.5-6.0 Broken core in first 10 cm. Partly vesicular	20	8	0.7/1.5	2083	9.1	10.6	1.5	1.85	4.30	28.46			2.775	6.45	42.69
		6.0-7.6 Essentially similar to previous run.	10	6	0.4/1.6	2085	10.6	12.2	1.6	1.50	3.43	30.17			2.40	5.488	48.272
		Bx'ed from 6.0-7.6 - ~~[illegible]~~ phyllite, QTZ, sulfide	20	6	0.7/1.5	2086	12.2	13.7	1.5	2.68	4.20	45.26			4.02	6.30	67.89
		fragments ∨1 cm. ~~[illegible]~~ cemented by pymix w/ ser.	20	8	1.0/1.5	2087	13.7	15.2	1.5	2.83	5.00	50.40			4.245	7.50	75.6
		clay. Massive sulfide in last 5 cm. of run.	10	6	0.1/1.5	2088	15.2	16.7	1.5	2.63	2.90	40.46			3.945	4.35	60.69
		7.4-9.1 Massive sulfide in first 10 cm. gradually	10	6	0.1/1.5	2089	16.7	18.2	1.5	1.55	2.65	26.40			2.325	3.975	39.6
		changing to banded sulfides alternating w/ qtz.	10	6	0.1/1.6	2090	18.2	19.8	1.6	0.80	1.38	14.06					
		sericite	10	4	0.7/1.5	2091	19.8	21.3	1.5	0.15	0.25	4.11					



76 M-53

+83° / 60.9 m

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG P.O.

PROPERTY GRUM JOINT VENTURE

D.D.H. No. U-53 PAGE 2/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Broken core at 8-8.5		U.A.V.	1.8	7.6	5.8	2.60	6.02	46.23			15.068	34.917	268.140
		9.1-10.6 - Broken grd.. CRENULATED F_1 (ax.plane-75°) Clearly		—"—	7.6	15.2	7.6	2.22	4.49	39.24			16.890	34.108	298.217
		Visible. Sulfides in interlacing bands following F_1 foliation.		—"—	15.2	18.2	3.0	2.09	2.77	33.43			6.270	8.325	100.29
		F_2 - 90° with lesser sulfides		"	1.8	15.2	13.4	2.38	5.15	42.27			31.958	69.025	566.357
10.6	18.2	QTZ-SER. SULFIDE. VERY BROKEN GRD. LESS sulfides		"	0	15.2	15.2	2.34	4.96	41.8			35.56	75.42	635.48
		than previous 0-10.6 run. $F_1 \approx 90°$; F_2 not clear.													
		SER. increasing in lieu of sulfide content.													
18.2	21.3	QTZ. SER. sulfide - very broken grd but w/ more bull qtz													
		than previous run.													
		18.2 - 19.8 - Shearing in first half of run. Rest are													
		pebble size broken core. Very poor recovery.													
		19.8 - 21.3 - Ser. becoming dominant. Occassional big clots													
		of sulfides.													
21.3	28.9	Essentially quartz sericite phyllite w/ distinct foliation @													
		80° (F_1?). F_2 suspected to be parallel to F_1. Sporadic showing													
		of sulfides in form of widely spaced clots; asso. w/ quartz													
		bands and/or trains parallel to foliation. Short runs of													

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER Y. P6

PROPERTY GRUM

D.D.H. No. U-53 PAGE 3/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION			Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		bleached calcitic phyllite w/ Fuchsite and Chlorite.															
		21.3 - 22.8 - QTz - ser. Shear ~ 22.0 Poor recovery 0.4/1.5															
		22.8 - 24.4 - Same rx type as previous run. F_1 ~ 80°; F_2(?) parallel to F_1. 1.2/1.6 core recovery															
		24.4 - 25.9 - QTz Ser. phyllite. very siliceous 1.3/1.5 core															
		25.9 - 27.4 - Bleached pEg @ 27.0 ~ 27.4. With slight sulfide showings in the last half of run. 1.4/1.5															
		27.4 - 28.9 - Calcitic bleach phyllite in last 20 cm of run.															
28.9	45.7	QTz - SERICITE SULFIDE. COMPETENT. w/ short runs of bleached phyllite and massive sulfides. F_1 very erratic from 80° to nearly 90° changing within short dist., F_2 not so distinct but a third foliation is apparent in bet. F_1 (w/ axial plane parallel to F_1).															
		28.9 - 30 - Very siliceous - Bleached phyl - 29.9 - 30	30	8	1.0/1.1	2092	28.9	30	1.1	2.20	5.70	41.49			2.42	6.27	45.639
		30 - 33.5 - Local bands of Zn rich laminae. Bleached Calcitic phyllite 32 ~ 33.5	30	10	1.5/3.5	2093	30	33.5	3.5	3.33	6.60	55.54			11.655	23.1	194.39
			30	10	1.4/1.5	2094	33.5	35	1.5	1.55	2.63	25.37			2.325	3.945	38.055
		33.5 - 35 - Same as previous run - Calcitic Bleached phyllite	30	8	1.4/1.5	2095	35	36.5	1.5	1.78	2.08	24.34			2.67	3.12	36.51

DIAMOND DRILL RECORD

LOGGED BY A. Y. Po

PROPERTY

LATITUDE | BEARING OF HOLE | STARTED

DEPARTURE | DIP OF HOLE | COMPLETED

ELEVATION | DIP TESTS | DEPTH Proposed: Ultimate:

D.D.H. No. U-53 PAGE 4/5

CLAIM No.

N — DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		from 34 ~ 35. 20 6	1.0/16	2096	36.5	38.1	1.6	3.68	2.20	40.46			5.888	3.52	64.736
		35-36.5 - Very siliceous. 35 10	1.0/15	2097	38.1	39.6	1.5	2.30	4.05	37.37			3.45	6.075	56.055
		36.5 - 38.1 - Sericite increasing. moderately fissile. Zn 30 10	.9/1.5	2098	39.6	41.1	1.5	1.75	3.70	30.17			2.625	5.55	45.255
		rich bands in last half of run. Broken grd 30 10	1.4/1.5	2099	41.1	42.6	1.5	2.25	4.30	36.34			3.375	6.45	54.51
		~~from~~ 37 ~ 37.5. 35 15	1.4/1.6	2100	42.6	44.2	1.6	2.28	4.10	35.31		1-10	3.648	6.56	56.496
		38.1 ~ 39.6 - Higher sulfide showing than preceding run. 40 20	1.3/1.5	2101	44.2	45.7	1.5	6.29	10.50	93.94			9.435	15.75	140.91
		39.6 ~ 41.1 - Moderately fissile. Sulfides evenly distributed													
		41.1 ~ 42.6 - Same as preceeding run.		Wt. Av.	22.9	33.5	4.6	3.06	6.38	52.18		0	14.075	29.37	240.029
		42.6 - 44.2 - Wider bands of Zn rich laminae ff. the		Wt Av.	33.5	38.1	4.6	2.36	2.31	30.28		0	10.883	10.585	139.301
		F. (?) foliation		"	38.1	44.2	6.1	2.14	4.04	28.13		0	13.098	24.635	171.586
		44.2 - 45.7 - ~~FAULT~~ in 44.5 - 44.6 Broken		"	42.6	45.7	3.1	4.22	7.19	63.68		-	13.083	22.31	197.406
		qtz. pebbles sericitic gouge material followed		Wt. Av.	33.5	42.6	9.1	2.23	3.15	29.95			20.33	28.67	254.39
		immediately by broken massive sulfides.													
		44.6 ~ 45 Massive sulfides. 45 - 45.7 - Bleached													
		chloritic phyllites with massive sulfide band.													
45.7	60.9	QTZ-SER phyllite. Fissile. Foliation very apparent													
		80°-90°. Axial plane of internal folding parallel to foliation.													

DIAMOND DRILL RECORD

LOGGED BY _____

PROPERTY _____

D.D.H. No. U-53 PAGE 5/5

LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: Ultimate: _____

N

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Short runs of Calcite ± chloritic bleached phyllite													
		45.7 - 47.2 - well laminated sericite, quartz and													
		some calcite stringers. Traces of GRAPHITE. Broken													
		core, indicating shear(?) in first 10 cm of run. This													
		ground mark sudden transition from sulfide zone													
		to barren grd. Good core recovery 1.4/1.5.													
		47.2 - 48.7 - Same rock type but w/ more calcitic content. 1.5/1.5													
		48.7 - 50.2 - Same as previous run.													
		50.2 - 51.8 - Bleached calcitic phyllite 51.0 to 51.8													
		sharp contact 45° @ 51.0 m. 1.5/1.5													
		51.8 - 53.3 - Very Calcitic													
		53.3 - 60.9 - Very Calcitic. Calcite parallel and across distinct													
		foliations. Good F1 showing 80-90° w/ parallel F2.													
		F2 F1 chloritic													
60.9		END OF HOLE IN WASTE													

calcs to do IV Wm M. checked 4.6.

DIAMOND DRILL RECORD

LOGGED BY Glenn Jeter

D.D.H. No 76 U-54 PAGE 1/7

PROPERTY Grum Joint Venture (Underground)

LATITUDE 10829.438 6N STARTED March 29/76

DEPARTURE 7645.418 74W COMPLETED April 2/76

ELEVATION 1148.115 m PROPOSED DEPTH

ULTIMATE DEPTH 150.9

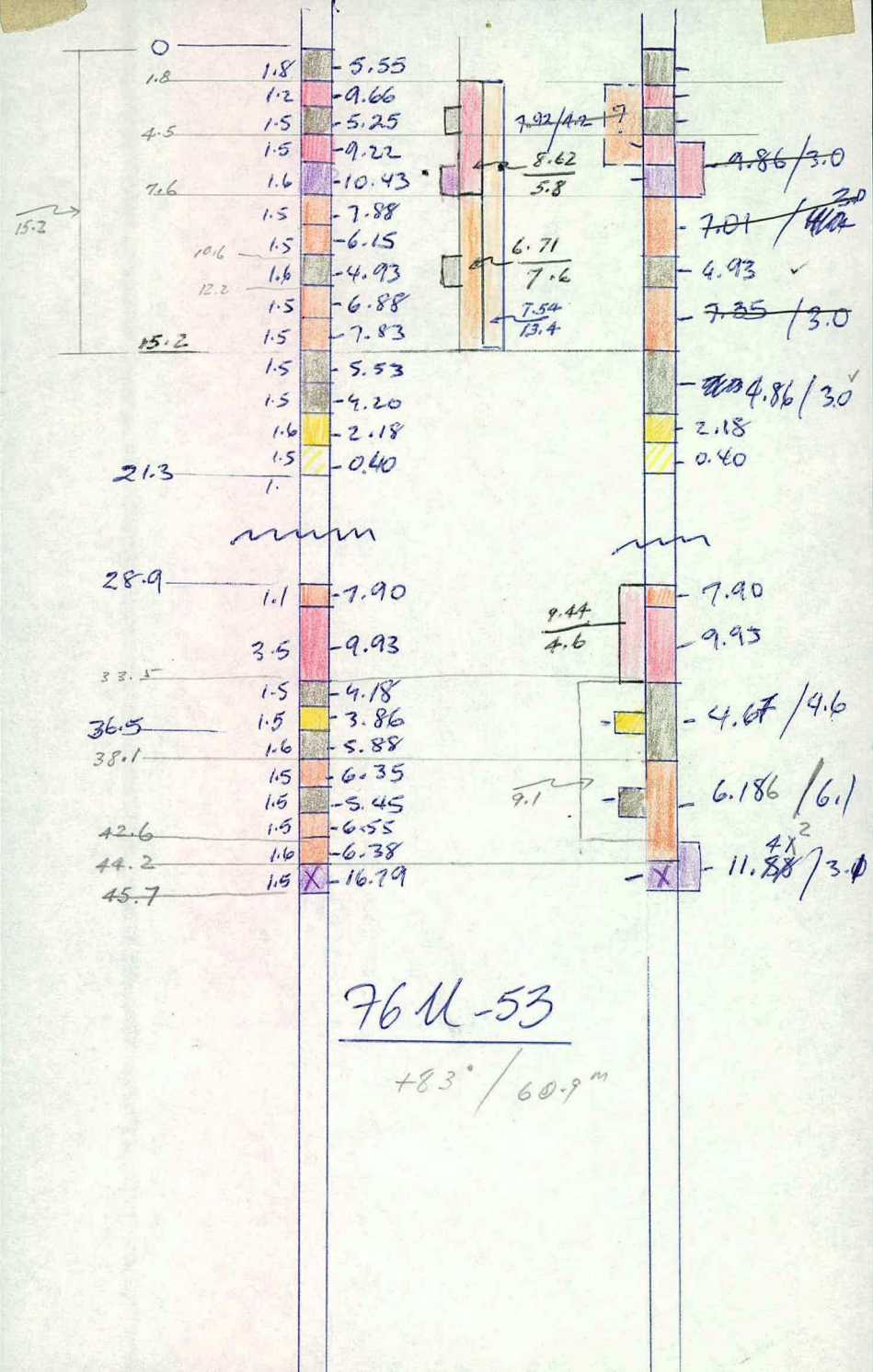
CLAIM No

HOLE SURVEY:		
DEPTH	BEARING	DIP
collar	33°12'15"	+60°
100' (30.5m)	034	+62°
200' (61.0)	033	+64°
300' (91.5)	021	+68°
400' (122)	007	+72°

N

DIRECTION AND DISTANCE FROM N.E. CLAIM POST

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
0	37.4	Quartz Sulphide with Graphite and Sericite dark grey, mod-poor foliation F_2 = 70° ± 10°; F_1 generally distinct @ 90° to F_2, drag folded and offset along F_2; fracturing common @ 10°, 70°, 20°, 40° and common parting along F_2 av. 4cm interval; graphite 10-15%, sericite locally +10%, sulphides 20% ± 5% as bands and diss. in qtz. bands following either F_1 or F_2, details;													
		0-3.0 as above competent, Py 18, Pb 2 Zn 3	2.4/3.0	2102	0	3.0	3.0	1.83	3.55	36.34			5.49	10.65	109.02
		3.0-6.1 " " , competent Py 15, Pb 2 Zn 3	2.7/3.1	03	3.0	6.1	3.1	1.80	3.10	40.46			5.58	9.61	125.426
		6.1-9.1 as above, sericite phyllite 6.1-6.2 Py 15 Pb 2 Zn 4	2.4/3.0	04	6.1	9.1	3.0	1.65	4.58	34.29			4.95	13.74	102.87
		9.1-12.2 as above, competent Py 18 Pb 2 Zn 3	3.0/3.1	05	9.1	12.2	3.1	2.48	4.80	50.40			7.688	14.88	156.24
		12.2-15.2 as above, fractured broken 12.3-12.5, 13.8-14.8 Py 10 Pb 2 Zn 2	(1.7)/3.0	06	12.2	15.2	3.0	1.88	3.15	27.43		-	5.64	9.45	82.29
		15.2-18.3 as above, breccia 16.9-17.5 fragment [Py 18 Pb 2 Zn 4] of host av. 0.2cm range to 1cm in sericite rich matrix	3.0/3.1	1207	15.2	18.3	3.1	1.35	1.95	29.14		-	4.19	6.05	90.33



76M-53

+83° / 60.9 m

LOGGED BY SJ D.D.H. Nº U-54 PAGE 2/7

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		18.3 - 21.3 as above, generally competent Py 15 Pb Zn 5	3.0/3.0	1208	18.3	21.3	3.0	2.58	5.00	44.23			7.74	15.00	132.69
		21.3 - 24.4 " " , " " , Py 15, Pb Zn 5	2.8/3.1	09	21.3	24.4	3.1	4.05	7.75	65.49			12.555	24.025	203.019
		24.4 - 27.4 " " , graphite rich, Py 12, Pb Zn 3	2.7/3.0	10	24.4	27.4	3.0	2.65	7.06	45.26			7.95	21.18	135.78
		27.4 - 30.5 " " , competent Py 15, Pb Zn 5	3.1/3.1	11	27.4	30.5	3.1	5.53	10.72	84.69			17.143	33.232	262.539
		30.5 - 32.0 " " , competent Py 10, Pb Zn 8	1.5/1.5	12	30.5	32.0	1.5	6.48	12.34	97.72			9.72	18.51	146.58
		32.0 - 33.5 " " , fracturing common, Py 8, Pb Zn 8	1.5/1.5	13	32.0	33.5	1.5	6.28	10.16	87.77			9.42	15.24	131.655
		33.5 - 35.4 " " , " " Py 8, Pb Zn 7	1.8/1.9	14	33.5	35.4	1.9	6.06	12.65	95.66			11.514	24.034	181.754
		35.4 - 37.4 " " , pale green (sericite) Py 10, Pb Zn 6	2.0/2.0	1215	35.4	37.4	2.0	3.05	7.27	57.60			6.10	14.54	115.20
37.4	39.0	Bleached Sericite Phyllite	1.5/1.6												
		pale green, well foliated @ 65°, fissile,		WRN.	0	6.1	6.1	1.81	3.32	38.43			11.04	20.26	234.446
		fracturing @ 30° common ~~~ parting along F_2,		"	6.1	12.2	6.1	2.07	4.69	42.47			12.638	28.62	259.11
		minor kaolin, second contact @ 70°	0.7/1.0	"	21.3	37.4	16.1	4.62	9.36	73.07			74.402	150.761	1176.627
39.0	40.0	Quartz Vein milk white, fracturing common	0.8/1.0	"	27.4	35.4	8.0	5.97	11.38	90.31			47.797	91.016	722.528
		@ 5°, 70°, 40°, 90°, bleached sericite phyllite		"	0	12.2	12.2	1.94	4.01	40.5			23.71	48.88	493.55
		39.2 - 39.3 fissile sheared contact @ 20°			12.2	21.3	9.1	1.93	3.35	33.55			17.57	30.50	305.31
40.0	71.2	Quartz Sulphides with Sericite ± Graphite													
		dark grey, mod-poor foliation F_2 = 70° ± 10°, F_1													
		generally distinct @ 90° to F_2 ca. 0 - 30°;													
		fracturing @ 15°, 40°, 60° common parting on F_2													
		av. 5cm interval generally competent (core													
		recovery variable as noted); 15 - 20% sericite													
		2 - 3% graphite locally, sulphides = 15% ± 5%													

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Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		as diss. ~~and~~ in qtz bands usually follow F_2 structure locally parallel F_1; first contact not distinct (broken core) second contact @ 65° (parallel F_2). details;													
		40.0 - 41.1 as above highly fractured @15° Py 10, Pb2n6	(0.6)/1.1	2116	40.0	41.1	1.1	4.75	7.42	71.66		0	5.225	8.162	78.826
		41.1 - 42.7 " " broken fragmented Py 10, Pb2n5	(0.9)/1.6	2117	41.1	42.7	1.6	2.98	4.00	45.26		0	4.768	6.40	72.416
		42.7 - 45.7 " " competent, with bleached sericite Py 15, Pb2n2	2.5/3.0	18	(42.7) 42.7	(43.2) 45.7	(0.5) 3.0	0.83	1.63	14.06			2.49	4.89	42.18
		kaolin - fushite alt. 43.6 - 43.9		↓	(42.7	44.6	1.9)					0.5.	0.415	0.815	7.03
												0	1.58	3.10	26.71
		45.7 - 47.2 as above competent, 3% graphite Py 15, Pb2n3	1.3/1.5	2119	45.7	47.2	1.5	0.63	0.73	18.17			0.945	1.095	27.255
		breccia 46.1 - 46.9 frag. host av. 0.2cm in sericite rich matrix.		↓											
		47.2 - 48.8 as above highly fractured Py 15 Pb2n6	(0.8)/1.6	2120	47.2	48.8	1.6	1.13	1.85	23.31			1.808	2.96	37.296
		48.8 - 50.3 " " fractured broken Py 15 Pb2n8	(0.4)/1.5	21	48.8	50.3	1.5	2.83	4.65	42.51			4.245	6.975	63.765
		50.3 - 51.8 " " highly fractured Py 15 Pb2n6	(0.8)/1.5	22	50.3	51.8	1.5	4.95	7.55	74.74			7.425	11.325	112.11
		51.8 54.9 " " competent Py 15, Pb2n4	3.0/3.1	23	51.8 ~~54.9~~	54.9	3.1	3.60	7.72	52.46			11.16	23.932	162.626
		54.9 - 57.9 " " " Py 8, Pb2n3	2.9/3.0	24	54.9 ~~57.9~~	57.9	3.0	2.50	4.65	45.26			9.50	13.950	135.78
		57.9 - 62.5 " " , sericite rich, competent Py 10, Pb2n1	4.5/4.6	—		62.5		(0.3) / Pd	(0.7) Est	(15) appear		—	(1.38)	(3.22)	(69)
		62.5 - 65.5 " " , competent, bleached 62.5 - 62.9 Py 10, Pb2n4	3.0/3.0	25	62.5	65.5	3.0	2.68	4.55	40.46			8.04	13.65	121.38
		65.5 - 67.1 " " , competent, Py 10, Pb2n6	1.6/1.6	26	65.5	67.1	1.6	3.55	6.55	48.34			5.68	10.48	77.344
		67.1 - 68.7 " " , " Py 8, Pb2n4	1.6/1.6	27	67.1	68.7	1.6	2.40	5.64	39.43			3.84	9.024	63.088
		68.7 - 69.7 bleached phyllite, kaolin rich, with traces of fushite	1.0/1.0	—											

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Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		69.7-71.2, qtz sulphides competent Py 20, Pb Zn S kaolin fusl. alt. 70.2-70.5	1.5/1.5	2128	69.7	71.2	1.5	2.95	5.38	45.26					
71.2	94.1	Sericite Graphite Phyllite	20.8/22.9												
		dark grey-black, well foliated $F_2 = 80 \pm 5°$		Wt. Av.	40.0	43.2	3.2	3.25	4.81	49.46			10.408	15.377	158.272
		(F_1 rarely distinct, @ 90° to F_2 73.6-77.0, $F_2 = 30°$) competent		"	40.0	44.6	4.6	2.52	3.84	38.69			11.58	17.66	177.96
		minor fracturing @ 0°, common parting		Wt Av.	42.7	48.8	6.1	0.86	1.46	17.49			5.243	8.945	106.731
		along F_2 av. 3cm interval, sheared 72.8-73.1,		"	48.8	68.7	19.9	2.48	4.65	40.46			49.370	92.556	805.093
		traces of sulphide locally on F_2 faces, graphite		"	50.3	54.9	4.6	4.04	7.66	59.72			18,585	35.257	274.736
		20±5%, second contact kaolin fusl alt		"	62.5	68.7	6.2	2.83	5.35	42.23			17.56	33.154	261.812
		zone @ 85° 10cm wide.		"	65.5	68.7	3.2	2.97	6.10	43.88			9.52	19.504	140.432
				"	48.8	57.9	9.1	3.33	6.17	52.1	✓		30.34	56.19	474.29
94.1	109.3	Quartz Sulphide with Sericite													
		Pale green, poor foliation $F_2 = 80° \pm 10°$, F_1													
		rarely distinct @ 90° to F_2, competent, tension													
		fract. @ 15° common with sulphide filling;													
		siliceous, sulphides 20±5% as bands and													
		stringer-disseminate parallel F_2 with 2%													
		po throughout (assoc. with py rich bands)													
		also traces of mag, detail;													
		94.1-96.0 as above Py 15, Pb Zn 6	1.9/1.9	2129	94.1	96.0	1.9	2.20	3.50	44.23			4.18	6.65	84.037
		96.0-97.5 " " Py 12 Pb Zn 5	1.5/1.5	30	96.0	97.5	1.5	2.30	3.80	43.20			3.45	5.70	64.80
		97.5-99.1 " " Py 10, Pb Zn 5	1.6/1.6	31	97.5	99.1	1.6	1.85	4.10	35.31			2.96	6.56	56.496

LOGGED BY DJ D.D.H. No U-54 PAGE 5/7

Interval From	Interval To	DESCRIPTION	Recovery	Sample No	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		99.1-100.6 as above Py 10 Pb2 Zn4	1.5/1.5	2132	99.1	100.6	1.5	2.10	3.08	39.43			3.15	4.62	59.145
		100.6-102.1 " " Py 10 Pb 2 Zn 3	1.5/1.5	33	100.6	102.1	1.5	2.55	4.10	48.34		-	3.825	6.150	72.51
		102.1-103.5 " " Py 10 Pb 2 Zn 8	1.4/1.4	34	102.1	103.5	1.4	4.28	10.82	96.69			5.992	15.148	135.366
		103.5-105.0 " " Py 10 Pb 2 Zn 5	1.5/1.5	35	103.5	105.0	1.5	3.75	7.72	83.66			5.625	11.58	125.49
		105.0-106.6 " " Py 8, Pb 2 Zn 8	1.6/1.6	36	105.0	106.6	1.6	4.35	10.67	91.89			6.96	17.072	147.024
		106.6-109.3 as above, 10% graphite Py 5, Pb 2 Zn 2	2.7/2.7	2137	106.6	109.3	2.7	1.25	4.00	25.37					
		kaolin fush alt. 106.5-107.1													
109.3	110.6	Sericite Graphite Phyllite with Sulphides	1.3/1.3	—				spots? Pb.							
		grey-black, well foliated @ 80°, F_1 @													
		90° to F_2, offset and drag folded; minor		W. Av.	94.1	100.6	6.5	2.11	3.62	40.7			13.74	23.53	264.478
		fracturing @ 5°, competent, 2-3% sulphides		"	102.1	106.6	4.5	4.13	9.73	90.64		-	18.577	43.800	407.880
		mainly py as fine diss. assoc. with		"	100.6	106.6	6.0	3.73	8.33	80.07			22.402	49.950	480.390
		qtz rich bands													
110.6	119.4	Bleached phyllite with qtz. sulphides	8.6/8.8												
		well foliated @ 80°, generally competent minor													
		fracturing @ 0°, 15° details													
		110.6-110.9 kaolin-fush. alt zone													
		110.9-111.2 qtz sulphide with sericite py 5 pb 2 Zn 4	/0.3		110.9	111.2		4	Pb, Zn						
		111.2-114.2 bleached phyllite, dark green,													
		chlorite rich competent													
		114.2-115.3 bleached phyllite with kaolin													
		and minor fushite													

LOGGED BY SS D.D.H. Nº U-54 PAGE 6/7

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		115.3-116.9 qtz sulphide with sericite Py 15, Pb2n4 and 1% po competent siliceous.	1.6/1.6	2138	115.3	116.9	1.6	1.90	5.40	36.34					
		116.9-118.1 bleached phyllite chlorite rich													
		118.1-120.4 bleached phyllite with kaolin traces of fuchite, 5% sulphide 118.9-119.4, (po-py ± sph ± gal).	/2.3		118.1	120.4		Tr Pb							
120.4	123.7	Sericite Graphite Phyllite grey black, well fol. F_2 = 85°, fracturing @ 20° common parting along F_2 av. 2cm interval; with 2% sulphide as diss. in qtz rich bands, 121.6-121.8 - 10% po, sheared phyllite 120.6-120.7; second contact @ 80°	3.0/3.3												
123.7	105.9	Chlorite Calcite ± Sericite Phyllite dark grey-green, well foliated F_2 = 85°, F_1 locally evident @ 90° to F_2, offset and drag folded; minor fracturing @ 10°, common parting on F_2 av. 2cm interval, generally competent, calcite av. 10-15% details,													
		123.7-131.0 Sericite Chlorite Calcite Phyllite	5.3/7.3	mislatch @ 126.5 and 128.0											
		131.0-136.5 Chlorite Calcite Phyllite locally minor Sericite	5.2/5.5												
		136.5-146.0 Chlorite Sericite Calcite Phyllite	9.0/9.5												

LOGGED BY DJ D.D.H. Nº 4-54 PAGE 7/7

Interval From	Interval To	DESCRIPTION	Recovery	Sample Nº	Interval From	Interval To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Pb	Assay x Zn	Assay x Ag
		146.0-150.9 as above with rusty weathering	4.6/4.9												
	150.9	End of Hole.													

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER Y. PO

PROPERTY GRUM JOINT VENTURE

D.D.H. No. U-55 PAGE 1/3

LATITUDE 10 826.027 N | 6N 7½W BEARING OF HOLE 233° 40' 23" STARTED APRIL 2, 1976

DEPARTURE 7643.137 E DIP OF HOLE +27° COMPLETED APRIL 3, 1976

ELEVATION 1145.060 m DIP TESTS None DEPTH Proposed: Ultimate: 36.4 m

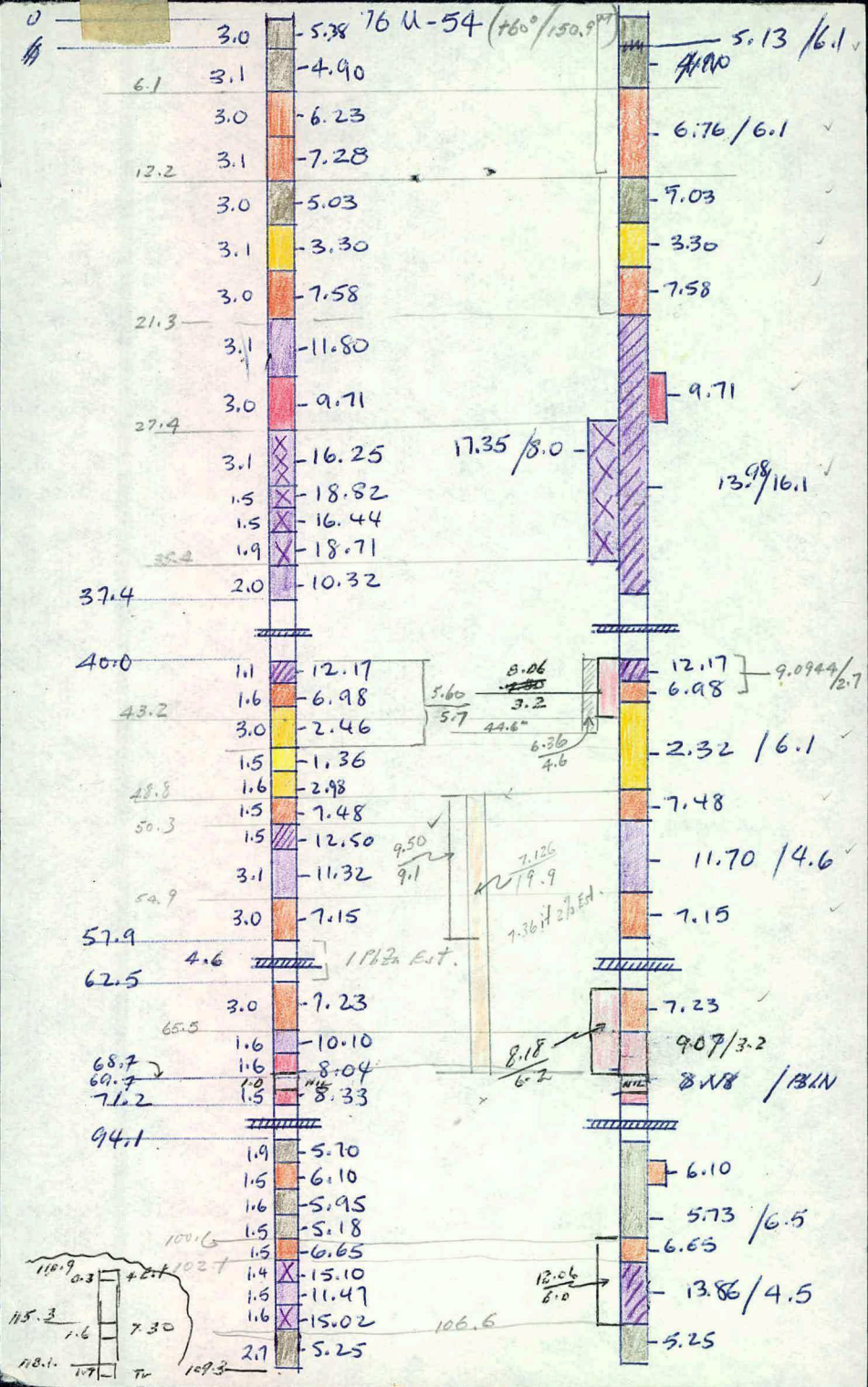
H.D. = 32.43
V.D. = +16.53 (1161.59 El.)

HOLE - NOT ON LINE OR NOT IN PLANE OF SECTION

CLAIM No.

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION			Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
0	21.3	QTZ - sulfides. Foliation very distinct 40° (F_2 ?).															
		F_1 ax. plane parallel to F_2. RUN characterized by broken															
		ground. Details															
		0 - 1.5 - Siliceous grdmass w/ sulfide bands parallel to															
		foliation. Pebbles of grdmass in middle of run (could be															
		bx'ted rocks loosely cemented by clay) - no way to mea-	8	5	0.1/1.5		0	1.5									
		sure actual length.															
		1.5 - 3 - Broken grd. Rx type same as previous run. Fragments	6	4	0.4/1.5		1.5	3.0									
		at around 2-3 m have appearance of shearing	6	4	0.4/1.6		3.0	4.6									
		3 - 4.6 - FAULT @ 3 - 3.5. Rounded to sub rounded siliceous	8	5	0.6/1.5		4.6	6.1									
		pebbles 1 x 2 cm in ϕ. Solid core show sericitic clay as	6	4	0.6/1.5		6.1	~~7.6~~									
		cementing materials. Widely spaced bands of sulfides	6	4	0.8/1.6		7.6	9.2									
		following possible F_1 and cut across F_2.	8	6	1.0/1.5		9.2	10.7									
		4.6 - 6.1 - shearing 4.6 - 5.0 & 6 - 6.1. Vuggy sulfide bands.	8	6	1.4/1.5		10.7	12.2									
		6.1 - 7.6 - shearing 6.1 - 6.2. Fissile grd. sericite increasing	18	6	1.4/1.5		12.2	13.7									
		and sulfides confined to widely spaced bands.	18	6	1.3/1.5		13.7	15.2									
		~~7.6~~ 9.2 - Very siliceous. Sulfides in interlacing bands	18	6	1.4/1.5		15.2	16.7									


'76 U-54 (+60°/150.9m)
0
3.0 - 5.38
3.1 - 4.90
6.1
3.0 - 6.23
3.1 - 7.28
12.2
3.0 - 5.03
3.1 - 3.30
3.0 - 7.58
21.3
3.1 - 11.80
3.0 - 9.71
27.4
3.1 - 16.25
1.5 - 18.82
1.5 - 16.44
1.9 - 18.71
35.4
37.4
2.0 - 10.32
40.0
1.1 - 12.17
1.6 - 6.98
43.2
3.0 - 2.46
1.5 - 1.36
48.8
1.6 - 2.98
1.5 - 7.48
50.3
1.5 - 12.50
3.1 - 11.32
54.9
3.0 - 7.15
57.9
4.6
1 1/8" Est.
62.5
3.0 - 7.23
65.5
1.6 - 10.10
68.7
1.6 - 8.04
69.7
1.0 - 8.33
71.2
94.1
1.9 - 5.70
1.5 - 6.10
1.6 - 5.95
1.5 - 5.18
100.6
1.5 - 6.65
102.7
1.4 - 15.10
1.5 - 11.47
1.6 - 15.02
106.6
2.1 - 5.25
109.3
110.9
0.3
4.2±
115.3
1.6
7.30
118.1
1.7
TD
17.35/8.0
5.60
5.7
8.06
3.2
44.6"
6.36
4.6
9.50
9.1
7.126
19.9
1.36" 2 1/8 Est.
8.18
6.2
12.06
8.0
5.13/6.1
6.76/6.1
9.03
3.30
7.58
9.71
13.98/16.1
12.17
6.98
9.094 4/2.7
2.32/6.1
7.48
11.70/4.6
7.15
7.23
9.07/3.2
8 1/8 /BLN
6.10
5.73/6.5
6.65
13.86/4.5
5.25

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER YOUNG P.O.

PROPERTY GRUM JOINT VENTURE

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LATITUDE _____ BEARING OF HOLE _____ STARTED _____

DEPARTURE _____ DIP OF HOLE _____ COMPLETED _____

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: _____ Ultimate: _____

CLAIM No. _____

DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		Broken grd @ 8-8.5.	1.3/1.5		16.7	18.2									
		9.2-10.7 - Relatively competent than previous runs. Sulfides	1.4/1.6		18.2	19.8									
		in bands as well as in limited form of dissemination in grds			19.8	21.3									
		where F_1 approximates F_2													
		10.7-12.2 - same as above													
		12.2-13.7 - Very siliceous. Sulfides in closely spaced bands.													
		13.7-15.2 - Same as ~~previous~~ preceding run													
		15.2-16.7 - Same as preceding run													
		16.7-18.3 - Same as preceding run													
		18.2-19.8 - same as preceding run													
		19.8-21.3 - Broken grd. 21-21.3 - Marked decrease in sulfide													
		content but have sporadic rich bands in middle part													
		of run													
21.3	22.8	QTZ - SERICITE, Sudden change marked by broken grounded sulfide	0.8/1.5												
		(shearing?) in 21.3. Run is almost all pebble size fragments.													
		Foliation ~ 30° F_1 (?) shown by unbroken portion of core.													
22.8	35	Essentially same rx type as above preceding interval. Short in-													

DIAMOND DRILL RECORD

LOGGED BY ALEXANDER Y. PO

PROPERTY GRUM JOINT VENTURE

D.D.H. No. 61-55 PAGE 3/3

LATITUDE _____ BEARING OF HOLE _____ STARTED APRIL 2, 1976

DEPARTURE _____ DIP OF HOLE _____ COMPLETED APRIL 3/76

ELEVATION _____ DIP TESTS _____ DEPTH Proposed: Ultimate: 36.4 m

HOLE STOP - NOT ON LINE or in plane of SECTION

CLAIM No. _____

N ← DIRECTION AND DISTANCE FROM NE. CLAIM POST

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	Rec. Ft.	Sample No.	Footage From	Footage To	Sample Length	Assay Pb	Assay Zn	Assay Ag	Assay Au	Assay Cu	Assay x Feet Pb	Assay x Feet Zn	Assay x Feet Ag
		terval of calcitic bleached phyllite - Foliation ∿ 30° most probably													
		F_2 (because of regular clean surface). F_1 not clearly indicated.													
		Intervals of sulfide rich ground - detail below													
		22.8 - 24.3 - QTz sericite. Broken core	0.8/1.5												
		24.3 - 25.9 - Same as preceding run	0.8/1.6												
		25.9 - 27.4 - Bleached phyllite 25.9 ∿ 26	0.8/1.5												
		27.4 - 28.9 - FAULT 28. ∿ 28.9 - QTz - phyllite fragments													
		cemented by sticky gouge and sericite flakes.	0.8/1.5												
		28.9 - 30.4 - ENTIRE RUN IS Broken core - pebble size.													
		Minor showing of sulfides.	0.2/1.5												
		30.4 - 31.1 - Broken QTz - SERICITE SULFIDES. Ag-8 Zn-6	0.1/0.7		30.4	31.1									
		31.1 - 32 - Same as preceding run	0.3/0.9		31.1	32.0									
		32 - 33.5 - Bleached phyllite @ 32.5 - 33.5	0.5/1.5		32	33.5									
		33.5 - 35 - Bleached phyllite calcitic f. 33.5 ∿ 34 . Gouge	0.9/1.5		33.5	35									
		FAULT @ 34 - 35.													
		35 - 36.4 Broken core - continuation of fault from preceding run	0.9/1.4												
		till middle of run. Followed by bleached phyllite.													