LINDER GRUM
8606 MODEL

PRINTOUT OF PROPERTY INFORMATION

Model description (max 64 characters) :	UNDER-GRUM (MODEL DATA)
Easting co-ordinate of model bottom left hand corner :	6300.00
Northing co-ordinate of model bottom left hand corner :	8850.00
Easting co-ordinate of model top right hand corner :	7500.00
Northing co-ordinate of model top right hand corner :	9730.00
Datum elevation of top of model :	1336.00
Number of columns in model (max 128) :	80
Number of rows in model (max 128) :	110
Width of columns :	15.00
Width of rows :	8.00

Number of labels : 5 ; Pb+Zn ; Pb % ; Zn % ; Ag g/t ; Au g/t

Current units are :

Linear	: m
Area	: m**2
Volumetric	: bcm
Density	: tn/bcm
Monetary	: CDN $

PRINTOUT OF PROPERTY INFORMATION

BENCH	HEIGHT [m]	CREST ELEVATION [m]	TOE ELEVATION [m]	CREST DEPTH [m]	TOE DEPTH [m]
1	247.50	1336.00	1088.50	.00	247.50
2	4.50	1088.50	1084.00	247.50	252.00
3	4.50	1084.00	1079.50	252.00	256.50
4	4.50	1079.50	1075.00	256.50	261.00
5	4.50	1075.00	1070.50	261.00	265.50
6	4.50	1070.50	1066.00	265.50	270.00
7	4.50	1066.00	1061.50	270.00	274.50
8	4.50	1061.50	1057.00	274.50	279.00
9	4.50	1057.00	1052.50	279.00	283.50
10	4.50	1052.50	1048.00	283.50	288.00
11	4.50	1048.00	1043.50	288.00	292.50
12	4.50	1043.50	1039.00	292.50	297.00
13	4.50	1039.00	1034.50	297.00	301.50
14	4.50	1034.50	1030.00	301.50	306.00
15	4.50	1030.00	1025.50	306.00	310.50
16	4.50	1025.50	1021.00	310.50	315.00
17	4.50	1021.00	1016.50	315.00	319.50
18	4.50	1016.50	1012.00	319.50	324.00
19	4.50	1012.00	1007.50	324.00	328.50
20	4.50	1007.50	1003.00	328.50	333.00
21	4.50	1003.00	998.50	333.00	337.50
22	4.50	998.50	994.00	337.50	342.00
23	4.50	994.00	989.50	342.00	346.50
24	4.50	989.50	985.00	346.50	351.00
25	4.50	985.00	980.50	351.00	355.50
26	4.50	980.50	976.00	355.50	360.00
27	4.50	976.00	971.50	360.00	364.50
28	4.50	971.50	967.00	364.50	369.00
29	4.50	967.00	962.50	369.00	373.50
30	4.50	962.50	958.00	373.50	378.00
31	4.50	958.00	953.50	378.00	382.50
32	4.50	953.50	949.00	382.50	387.00
33	4.50	949.00	944.50	387.00	391.50
34	4.50	944.50	940.00	391.50	396.00
35	4.50	940.00	935.50	396.00	400.50
36	4.50	935.50	931.00	400.50	405.00
37	4.50	931.00	926.50	405.00	409.50

38	4.50	926.50	922.00	409.50	414.00
39	4.50	922.00	917.50	414.00	418.50
40	4.50	917.50	913.00	418.50	423.00
41	4.50	913.00	908.50	423.00	427.50
42	4.50	908.50	904.00	427.50	432.00
43	4.50	904.00	899.50	432.00	436.50
44	4.50	899.50	895.00	436.50	441.00
45	4.50	895.00	890.50	441.00	445.50
46	4.50	890.50	886.00	445.50	450.00
47	4.50	886.00	881.50	450.00	454.50
48	4.50	881.50	877.00	454.50	459.00
49	4.50	877.00	872.50	459.00	463.50
50	4.50	872.50	868.00	463.50	468.00

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 51 32 62 62 11 11
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 51 38 34 34 11 17
 51 39 34 34 11 17
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 51 40 39 39 17 14
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 51 42 24 25 11 15 -1 -1
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51 48 44 45 15 17 -1 -1
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52 61 24 25 11  4 -1 -1
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52 73 18 18 14 14
52 75 15 15 15  4
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53 41 32 33 15  4 -1 -1
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53 46 24 25 11 13 -1 -1
53 47 27 27 11  4
53 48 15 15 11 11
53 48 27 27 11  4
53 48 30 30 11  4
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52 46 34 34 15 13
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71 58 36 37 17 21 -1 -1
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73 57 32 33 11 15 -1 -1
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75 46 26 26 15 11
75 47 43 43 15 17
7
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GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM MODEL SECTION 88W CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 24 CREST ELEVATION : 989.50 m TOE ELEVATION : 985.00 m COLUMN [25] TO COLUMN [49] ROW [40] TO ROW [60]

	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
40	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
41	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
42	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
43	10	10	10	10	10	10	10	6	6	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
44	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
45	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
46	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
47	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
48	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
49	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
50	10	10	10	10	10	10	10	10	10	10	10	10	10	10	5	10	10	10	10	10	10	10	10	10	10
51	10	10	6	10	10	10	10	10	10	10	6	7	7	7	5	10	10	10	10	10	10	10	10	10	10
52	10	7	6	6	6	1	10	10	10	10	10	10	10	10	5	5	5	5	10	10	10	10	10	10	10
53	10	7	6	6	6	5	10	10	10	10	10	10	10	10	10	10	10	5	10	10	10	10	10	10	10
54	7	10	6	6	6	6	14	14	14	10	10	7	7	7	10	10	10	10	10	10	10	10	10	10	10
55	10	10	10	10	10	6	1	1	1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
56	10	10	10	10	10	10	1	1	1	1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
57	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
58	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
59	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
60	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [1] TO COLUMN [25] ROW [1] TO ROW [43]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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13	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
34	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
35	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10	10
36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	10	10	10	10	10
37	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	10	10	10	10	10
38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10
39	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10
40	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
41	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
42	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
43	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [26] TO COLUMN [50] ROW [1] TO ROW [43]

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
13	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
34	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
35	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
39	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
40	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
41	10	10	10	10	10	10	10	10	10	10	10	10	10	2	10	10	10	10	10	10	10	10	10	10	10
42	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	10	10	10	10	10	10	10	10	10
43	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1068.50 m TOE ELEVATION : 1084.00 m COLUMN [51] TO COLUMN [75] ROW [1] TO ROW [43]

	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
13	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
29	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
33	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
34	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
35	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
37	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
38	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
39	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
40	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
41	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
42	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
43	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [76] TO COLUMN [80] ROW [1] TO ROW [43]

	76	77	78	79	80
1	10	10	10	10	10
2	10	10	10	10	10
3	10	10	10	10	10
4	10	10	10	10	10
5	10	10	10	10	10
6	10	10	10	10	10
7	10	10	10	10	10
8	10	10	10	10	10
9	10	10	10	10	10
10	10	10	10	10	10
11	10	10	10	10	10
12	10	10	10	10	10
13	10	10	10	10	10
14	10	10	10	10	10
15	10	10	10	10	10
16	10	10	10	10	10
17	10	10	10	10	10
18	10	10	10	10	10
19	10	10	10	10	10
20	10	10	10	10	10
21	10	10	10	10	10
22	10	10	10	10	10
23	10	10	10	10	10
24	10	10	10	10	10
25	10	10	10	10	10
26	10	10	10	10	10
27	10	10	10	10	10
28	10	10	10	10	10
29	10	10	10	10	10
30	10	10	10	10	10
31	10	10	10	10	10
32	10	10	10	10	10
33	10	10	10	10	10
34	10	10	10	10	10
35	10	10	10	10	10
36	10	10	10	10	10
37	10	10	10	10	10
38	10	10	10	10	10
39	10	10	10	10	10
40	10	10	10	10	10
41	10	10	10	10	10
42	10	10	10	10	10
43	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [1] TO COLUMN [25] ROW [44] TO ROW [86]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
44	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
45	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
46	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
47	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	1	10	10	10	10	10	10	10
48	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4	10	10	10	10	1	10	10
49	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	10	10	10	2	2	2
50	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4	2	2	10	2	2	2
51	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	10	2	2	2
52	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	2	10	4	4
53	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	10	10	10	10
54	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	10	10	2	2
55	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
56	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
57	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
58	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
59	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	10	10	10	10	10	10	2	10	10	10
60	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	10	10	10	10	10	10	10	10	10	10
61	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2	2	10	10	10	10	10	10	10	10
62	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1	2	2	10	10	10	10	10	3	3	3
63	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1	1	1	10	10	10	10	10	10	10
64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1	6	5	5	2	2	6	6
65	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	2	6	6
66	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	6	6
67	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	6
68	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	6
69	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1	1	1
70	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	2
71	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
72	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
73	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
74	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
75	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
77	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
79	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
80	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
81	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
82	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
83	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
84	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
85	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
86	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [26] TO COLUMN [50] ROW [44] TO ROW [86]

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
44	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	2	10	10	10	7	10	10	3
45	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	10	10	10	10	6	7	7	7
46	10	10	10	10	10	10	10	10	10	10	10	10	10	6	7	7	7	10	10	10	10	6	7	7	10
47	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	7	7	10
48	10	6	6	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	7	7	10
49	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
50	2	9	10	10	10	10	10	10	10	10	10	10	9	10	10	10	6	10	10	10	10	10	10	10	7
51	2	4	4	4	2	1	10	10	10	1	10	10	9	6	6	6	10	10	10	10	10	10	10	10	7
52	2	9	2	2	6	2	1	1	1	1	4	4	9	10	10	10	10	10	10	10	10	10	10	10	7
53	10	9	2	2	1	4	1	1	1	1	4	4	9	10	10	10	10	10	10	10	10	10	10	10	7
54	2	9	2	2	2	2	2	2	10	1	4	4	9	10	10	10	10	10	10	10	10	10	10	10	10
55	1	9	2	2	2	10	10	10	10	1	4	4	9	10	10	10	10	1	10	10	10	10	10	10	10
56	10	9	2	2	2	10	10	10	10	1	1	1	9	10	10	10	10	10	10	10	1	10	10	10	10
57	10	9	2	2	2	2	2	2	2	1	10	10	9	10	10	10	10	10	10	10	1	10	10	10	10
58	3	9	9	9	1	2	10	10	10	1	9	9	9	10	10	10	10	1	10	10	1	10	10	10	10
59	10	9	9	9	1	10 ✓	10	10	10	1	10	10	10	10	10	10	10	5	1	1	1	10	10	10	10
60	10	1	1	1	10	2	10	10	10	10	10	10	10	10	10	10	10	6	1	1	10	10	10	10	10
61	3	10	10	10	10	10	10	10	10	10	10	10	1	10	9	9	9	7	6	6	10	10	10	10	10
62	10	10	10	10	10	10	10	10	10	7	10	10	10	9	9	9	7	6	6	6	6	10	10	10	10
63	10	1	2	2	2	10	10	10	10	7	10	10	10	5	10	10	6	6	6	6	6	10	10	10	10
64	6	1	2	2	2	2	10	10	2	7	10	10	10	10	10	10	6	4	1	1	4	10	10	10	10
65	6	1	1	1	1	2	1	1	10	7	10	10	10	10	6	6	7	4	2	2	4	10	10	10	10
66	6	1	1	1	1	10	10	10	10	7	10	10	10	10	7	7	7	10	4	4	4	3	3	3	3
67	6	1	1	1	10	10	10	10	10	7	10	10	10	10	7	7	7	10	4	4	4	10	3	3	3
68	1	6	1	1	10	10	10	10	10	7	6	6	10	10	10	10	10	4	4	4	4	10	10	10	10
69	7	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4	4	4	10	10	10	10
70	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
71	10	10	10	10	10	10	10	10	2	10	10	10	10	7	7	7	10	10	10	10	10	10	10	10	10
72	10	10	10	10	10	10	10	10	2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
73	10	10	10	10	10	10	10	10	2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
74	10	10	10	10	10	10	10	10	10	10	6	6	6	10	10	10	10	10	10	10	10	10	10	10	10
75	10	10	10	10	10	10	10	10	10	10	10	10	6	10	10	10	10	10	10	10	10	10	10	10	10
76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
77	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
79	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
80	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
81	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
82	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
83	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
84	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
85	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
86	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [51] TO COLUMN [75] ROW [44] TO ROW [86]

	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
44	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
45	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
46	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
47	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
48	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
49	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
50	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
51	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
52	3	3	3	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
53	3	3	3	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
54	3	3	3	3	10	10	10	10	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
55	7	3	3	3	10	10	10	10	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
56	7	6	6	5	3	3	3	10	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
57	10	7	7	5	3	3	3	5	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
58	10	7	7	6	5	3	3	5	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
59	10	10	10	10	6	5	5	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
60	10	10	10	10	10	2	2	2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
61	10	10	10	10	10	10	10	10	3	3	3	3	10	10	10	10	10	10	10	10	10	10	10	10	10
62	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
63	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
64	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
65	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
66	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
67	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
68	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
69	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
70	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
71	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
72	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
73	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
74	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
75	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
76	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
77	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
79	10	10	10	10	10	10	10	10	10	10	10	1	10	10	10	10	10	10	10	10	10	10	10	10	10
80	10	10	10	10	10	10	10	10	10	10	10	1	10	10	10	10	10	10	10	10	10	10	10	10	10
81	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
82	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
83	10	4	4	4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
84	10	10	10	4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
85	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
86	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [76] TO COLUMN [80] ROW [44] TO ROW [86]

	76	77	78	79	80
44	10	10	10	10	10
45	10	10	10	10	10
46	10	10	10	10	10
47	10	10	10	10	10
48	10	10	10	10	10
49	10	10	10	10	10
50	10	10	10	10	10
51	10	10	10	10	10
52	10	10	10	10	10
53	10	10	10	10	10
54	10	10	10	10	10
55	10	10	10	10	10
56	10	10	10	10	10
57	10	10	10	10	10
58	10	10	10	10	10
59	10	10	10	10	10
60	10	10	10	10	10
61	10	10	10	10	10
62	10	10	10	10	10
63	10	10	10	10	10
64	10	10	10	10	10
65	10	10	10	10	10
66	10	10	10	10	10
67	10	10	10	10	10
68	10	10	10	10	10
69	10	10	10	10	10
70	10	10	10	10	10
71	10	10	10	10	10
72	10	10	10	10	10
73	10	10	10	10	10
74	10	10	10	10	10
75	10	10	10	10	10
76	10	10	10	10	10
77	10	10	10	10	10
78	10	10	10	10	10
79	10	10	10	10	10
80	10	10	10	10	10
81	10	10	10	10	10
82	10	10	10	10	10
83	10	10	10	10	10
84	10	10	10	10	10
85	10	10	10	10	10
86	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [1] TO COLUMN [25] ROW [87] TO ROW [110]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
87	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
88	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
89	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
90	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
91	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
92	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
93	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
94	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
95	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
96	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
97	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
98	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
99	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
100	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
101	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
102	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
103	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
104	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
105	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
106	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
107	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
108	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
109	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
110	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [26] TO COLUMN [50] ROW [87] TO ROW [110]

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
87	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
88	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
89	10	10	10	10	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
90	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
91	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
92	10	1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
93	10	6	1	1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
94	10	3	6	6	1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
95	10	10	3	3	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
96	10	10	10	10	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
97	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
98	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
99	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
100	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
101	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
102	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
103	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
104	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
105	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
106	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
107	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
108	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
109	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
110	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [51] TO COLUMN [75] ROW [87] TO ROW [110]

	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
87	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
88	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
89	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
90	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
91	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
92	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
93	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
94	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
95	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
96	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
97	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
98	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
99	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
100	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
101	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
102	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
103	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
104	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
105	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
106	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
107	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
108	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
109	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
110	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

GEOLOGICAL ROCK-TYPE MODEL

DESCRIPTION : UNDER-GRUM GEOLOGY 2ND SET CORRECTIONS CREATED ON : 2/ 7/1986

BENCH : 2 CREST ELEVATION : 1088.50 m TOE ELEVATION : 1084.00 m COLUMN [76] TO COLUMN [80] ROW [87] TO ROW [110]

	76	77	78	79	80
87	10	10	10	10	10
88	10	10	10	10	10
89	10	10	10	10	10
90	10	10	10	10	10
91	10	10	10	10	10
92	10	10	10	10	10
93	10	10	10	10	10
94	10	10	10	10	10
95	10	10	10	10	10
96	10	10	10	10	10
97	10	10	10	10	10
98	10	10	10	10	10
99	10	10	10	10	10
100	10	10	10	10	10
101	10	10	10	10	10
102	10	10	10	10	10
103	10	10	10	10	10
104	10	10	10	10	10
105	10	10	10	10	10
106	10	10	10	10	10
107	10	10	10	10	10
108	10	10	10	10	10
109	10	10	10	10	10
110	10	10	10	10	10

EXTRACTION OF COMPOSITES

ELEVATION RESTRICTION TO BETWEEN

UNINTERPOLATED BLOCKS.

2	19
3	21
4	25
5	29
6	19
7	15
8	12
9	9
10	9
11	15
12	19
13	17
14	14
15	31
16	33
17	30
18	20
19	20
20	25
21	20
22	18
23	19
24	26
25	30
26	29
27	22
28	19
29	11
30	16
31	16
32	17
33	16
34	13
35	13
36	7
37	6
38	8
39	11
40	8
41	5
42	6
43	10
44	7
45	4
46	0
47	0
48	0
49	0
50	0

```
Number of rock-types.....                    13
Number of polygons.....                       0
Number of boreholes.....                    344

Current extraction data :
SG Composites

Extraction file options :
 1: Overwrite current file
 2: Append to current file
Enter option (eg 2) :                                  Description (max 64 characters) :

Data extraction options :
 1: Borehole header data
 2: Borehole assay data
 3: Borehole composite data
 4: Borehole intersection data
Enter option (eg 2) :

Borehole selection options :
 1: By record number
 2: By borehole name
 3: By borehole type
Enter option (eg 2) :
Specific borehole records (Y/N) :
Starting record number (or -99 to end) :               Ending record number :

Define range of collar elevations (Y/N) :

Define range of borehole lengths (Y/N) :

Polygon options :
 1: No test
 2: Inside polygon
 3: Outside polygon
Enter option (eg 2) :

Number of labels : 5     ;   %Pb+Zn ;    %Pb   ;    %Zn   ;   Ag g/t ;   Au g/t

Label to be extracted (1-5) :
Define range of this label (Y/N) :
Label minimum :                                        Label maximum :

Define specific rock-types (Y/N) :
Rock-type code (or -99 to end) :                       Rock-type code (or -99 to end) :                       Roc
e code (or -99 to end) :                               Rock-type code (or -99 to end) :                       Rock-type c
or -99 to end) :                                       Rock-type code (or -99 to end) :                       Rock-type code (or
o end) :                                               Rock-type code (or -99 to end) :                       Rock-type code (or -99 to e
                                                       Rock-type code (or -99 to end) :

Define range of elevations (Y/N) :
Minimum elevation :                                    Maximum elevation :
```

```
 Extraction options :
  1: First intersection
  2: Last intersection
  3: Nth intersection
  4: All intersections
 Enter option (eg 2) :

 Intersection position options:
  1: Top of intersection
  2: Centre of intersection
  3: Bottom of intersection
 Enter option (eg 2) :

 Log transformation (Y/N) :

 Multiply by a factor (Y/N) :
 Multiplication factor :
 Add a factor (Y/N) :


Number of extracted data points.....                2749

Extract more data (Y/N) :
Stop - Program terminated.

Number of rock-types.....                             13


Inverse Distance Model Construction

Description (max 64 characters) :

Modelling options :
 1: Start new benches
 2: Overwrite or add to existing benches
Enter option (eg 2) :


Modelling options :
 1: Density
 2: %Pb+Zn
 3:  %Pb
 4:  %Zn
 5: Ag g/t
 6: Au g/t
Enter option (eg 2) :
Interpolation will only be done
into blocks of selected rock-types


Rock-type (or -99 to end) :                                                    Rock-type (or -99 to end) :                                                    Rock-typ
e (or -99 to end) :                                                          Rock-type (or -99 to end) :                                                    Rock-type (or -9
9 to end) :                                                                Rock-type (or -99 to end) :                                                    Rock-type (or -99 to end
) :                                                                      Rock-type (or -99 to end) :                                                    Rock-type (or -99 to end) :
                                                                       Rock-type (or -99 to end) :
Sample data restricted to specific rock-types (Y/N) :


Maximum number of restricting rock-types .....                  5
```

Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :

Restricting rock-type .(or -99 to end) :
2
Restricting rock-type .(or -99 to end) :
3
Restricting rock-type .(or -99 to end) :
4
Restricting rock-type .(or -99 to end) :
5
Restricting rock-type .(or -99 to end) :
6
Restricting rock-type .(or -99 to end) :
7
Restricting rock-type .(or -99 to end) :
8
Restricting rock-type .(or -99 to end) :
9
Restricting rock-type .(or -99 to end) :

Maximum distance for samples to be included :
number of samples to be used to interpolate a block :
Interpolation options :
 1: Inverse distance raised to a power
 2: Residual distance (range-distance) raised to a power
Enter option (eg 2) :

Minimum number of samples to used to interpolate a block :

Maximum

Power for weighting :

Horizontal angle of anisotropy :
(in degrees anti-clockwise from major axis,
co-incidental with model Easting direction) :
Vertical angle of anisotropy
(in degrees, -ve if dipping in the direction
of the horizonatal major axis) :
Horizontal anisotropy factor :
Vertical anisotropy factor :

List all input data (Y/N) :

Write results to model (Y/N) :

Print out results (Y/N) :

Define range of columns or rows (Y/N) :

Trace options :
 1: No trace
 2: Trace to screen
 3: Trace to printer
Enter option (eg 2):

INVERSE DISTANCE MODELLING

DESCRIPTION : 1/d squared interpolation

OVERWRITING AN EXISTING MODEL

DENSITY MODEL

FROM COLUMN [1] TO COLUMN [80] FROM ROW [1] TO ROW [110]

ROCK-TYPES USED FOR MODELLING :

ROCK-TYPE MODELLED:	RESTRICTING ROCK-TYPE:
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

MAXIMUM RANGE FOR INCLUSION OF SAMPLES : 75.00 [m]
MINIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 2
MAXIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 8

WEIGHTING BY INVERSE DISTANCE RAISED TO THE POWER 2.00

HORIZONTAL ANGLE OF ANISOTROPY : 180.00 [DEGREES]
VERTICAL ANGLE OF ANISOTROPY : -11.00 [DEGREES]
HORIZONTAL ANISOTROPY FACTOR : 1.41
VERTICAL ANISOTROPY FACTOR : 1.41

Number of data points..... 2750

Sorting data points

Specific benches (Y/N) :
Start bench : Stop bench :

Stop - Program terminated.

```
Number of polygons.....                                    0
Number of boreholes.....                                   344


Current extraction data :
SG Composites

Extraction file options :
 1: Overwrite current file
 2: Append to current file
Enter option (eg 2) :                                  Description (max 64 characters) :


Data extraction options :
 1: Borehole header data
 2: Borehole assay data
 3: Borehole composite data
 4: Borehole intersection data
Enter option (eg 2) :


Borehole selection options :
 1: By record number
 2: By borehole name
 3: By borehole type
Enter option (eg 2) :
Specific borehole records (Y/N) :
Starting record number (or -99 to end) :               Ending record number :


Define range of collar elevations (Y/N) :

Define range of borehole lengths (Y/N) :

Polygon options :
 1: No test
 2: Inside polygon
 3: Outside polygon
Enter option (eg 2) :


Number of labels : 5     ;   %Pb+Zn ;    %Pb    ;    %Zn    ;   Ag g/t ;   Au g/t

Label to be extracted (1-5) :
Define range of this label (Y/N) :
Label minimum :                                        Label maximum :


Define specific rock-types (Y/N) :
Rock-type code (or -99 to end) :                                Rock-type code (or -99 to end) :                                Rock-typ
e code (or -99 to end) :                                Rock-type code (or -99 to end) :                                Rock-type code (
or -99 to end) :                                Rock-type code (or -99 to end) :                                Rock-type code (or -99 t
o end) :                                Rock-type code (or -99 to end) :                                Rock-type code (or -99 to end) :
                                Rock-type code (or -99 to end) :


Define range of elevations (Y/N) :
Minimum elevation :                                    Maximum elevation :

Extraction options :
 1: First intersection
```

```
 3: Nth intersection
 4: All intersections
Enter option (eg 2) :

Intersection position options:
 1: Top of intersection
 2: Centre of intersection
 3: Bottom of intersection
Enter option (eg 2) :

Log transformation (Y/N) :

Multiply by a factor (Y/N) :

Add a factor (Y/N) :


Number of extracted data points.....                    2748

Extract more data (Y/N) :
Stop - Program terminated.

Number of rock-types.....                                 13


Inverse Distance Model Construction


Description (max 64 characters) :

Modelling options :
 1: Start new benches
 2: Overwrite or add to existing benches
Enter option (eg 2) :


Modelling options :
 1: Density
 2: %Pb+Zn
 3:  %Pb
 4:  %Zn
 5: Ag g/t
 6: Au g/t
Enter option (eg 2) :
Interpolation will only be done
into blocks of selected rock-types


Rock-type (or -99 to end) :                                    Rock-type (or -99 to end) :                                                    Rock-typ
e (or -99 to end) :                                        Rock-type (or -99 to end) :                                                Rock-type (or -9
9 to end) :                                            Rock-type (or -99 to end) :                                            Rock-type (or -99 to end
) :                                                Rock-type (or -99 to end) :                                    Rock-type (or -99 to end) :
                                               Rock-type (or -99 to end) :
Sample data restricted to specific rock-types (Y/N) :


Maximum number of restricting rock-types .....                  5

Rock-type.....                                                  1
Restricting rock-type .(or -99 to end) :                       Restricting rock-type .(or -99 to end) :
Rock-type.....                                                  2
Restricting rock-type .(or -99 to end) :                       Restricting rock-type .(or -99 to end) :
Rock-type.....                                                  3
```

```
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
Rock-type.....
Restricting rock-type .(or -99 to end) :
```

```
Restricting rock-type .(or -99 to end) :
                4
Restricting rock-type .(or -99 to end) :
                5
Restricting rock-type .(or -99 to end) :
                6
Restricting rock-type .(or -99 to end) :
                7
Restricting rock-type .(or -99 to end) :
                8
Restricting rock-type .(or -99 to end) :
                9
Restricting rock-type .(or -99 to end) :
```

```
Maximum distance for samples to be included :
number of samples to be used to interpolate a block :
Interpolation options :
 1: Inverse distance raised to a power
 2: Residual distance (range-distance) raised to a power
Enter option (eg 2) :
```

```
Minimum number of samples to used to interpolate a block :      Maximum

Power for weighting :
```

```
Horizontal angle of anisotropy :
(in degrees anti-clockwise from major axis,
co-incidental with model Easting direction) :
Vertical angle of anisotropy
(in degrees, -ve if dipping in the direction
of the horizonatal major axis ) :
Horizontal anisotropy factor :
Vertical anisotropy factor :
```

```
List all input data,(Y/N) :

Write results to model (Y/N) :

Print out results (Y/N) :

Define range of columns or rows (Y/N) :
```

```
Trace options :
 1: No trace
 2: Trace to screen
 3: Trace to printer
Enter option (eg 2):
```

INVERSE DISTANCE MODELLING

DESCRIPTION : 1/d squared interpolation

OVERWRITING AN EXISTING MODEL

GRADE MODEL FOR LABEL 2 [%Pb]

FROM COLUMN [1] TO COLUMN [80] FROM ROW [1] TO ROW [110]

ROCK-TYPES USED FOR MODELLING :

ROCK-TYPE MODELLED:	RESTRICTING ROCK-TYPE:
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

MAXIMUM RANGE FOR INCLUSION OF SAMPLES : 75.00 [m]
MINIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 2
MAXIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 8

WEIGHTING BY INVERSE DISTANCE RAISED TO THE POWER 2.00

HORIZONTAL ANGLE OF ANISOTROPY : 180.00 [DEGREES]
VERTICAL ANGLE OF ANISOTROPY : -11.00 [DEGREES]
HORIZONTAL ANISOTROPY FACTOR : 1.41
VERTICAL ANISOTROPY FACTOR : 1.41

Number of data points..... 2749

Sorting data points

Specific benches (Y/N) :
Start bench : Stop bench :

Stop - Program terminated.

Number of rock-types..... 13

```
Number of polygons.....                                    0
Number of boreholes.....                                   344


Current extraction data :
Pb Composites

Extraction file options :
 1: Overwrite current file
 2: Append to current file
Enter option (eg 2) :                                      Description (max 64 characters) :


Data extraction options :
 1: Borehole header data
 2: Borehole assay data
 3: Borehole composite data
 4: Borehole intersection data
Enter option (eg 2) :


Borehole selection options :
 1: By record number
 2: By borehole name
 3: By borehole type
Enter option (eg 2) :
Specific borehole records (Y/N) :
Starting record number (or -99 to end) :                   Ending record number :


Define range of collar elevations (Y/N) :

Define range of borehole lengths (Y/N) :

Polygon options :
 1: No test
 2: Inside polygon
 3: Outside polygon
Enter option (eg 2) :


Number of labels : 5     ;   %Pb+Zn ;    %Pb    ;    %Zn    ;   Ag g/t ;   Au g/t

Label to be extracted (1-5) :
Define range of this label (Y/N) :
Label minimum :                                                Label maximum :


Define specific rock-types (Y/N) :
Rock-type code (or -99 to end) :                                   Rock-type code (or -99 to end) :                                   Rock-typ
e code (or -99 to end) :                                       Rock-type code (or -99 to end) :                                   Rock-type code (
or -99 to end) :                                           Rock-type code (or -99 to end) :                                   Rock-type code (or -99 t
o end) :                                               Rock-type code (or -99 to end) :                                   Rock-type code (or -99 to end) :
                                           Rock-type code (or -99 to end) :


Define range of elevations (Y/N) :
Minimum elevation :                                            Maximum elevation :

Extraction options :
 1: First intersection
 2: Last intersection
```

```
 3: Nth intersection
 4: All intersections
Enter option (eg 2) :

Intersection position options:
 1: Top of intersection
 2: Centre of intersection
 3: Bottom of intersection
Enter option (eg 2) :

Log transformation (Y/N) :

Multiply by a factor (Y/N) :

Add a factor (Y/N) :


Number of extracted data points.....                2748

Extract more data (Y/N) :
Stop - Program terminated.

Number of rock-types.....                             13


Inverse Distance Model Construction


Description (max 64 characters) :

Modelling options :
 1: Start new benches
 2: Overwrite or add to existing benches
Enter option (eg 2) :


Modelling options :
 1: Density
 2: %Pb+Zn
 3:  %Pb
 4:  %Zn
 5: Ag g/t
 6: Au g/t
Enter option (eg 2) :
Interpolation will only be done
into blocks of selected rock-types


Rock-type (or -99 to end) :                                    Rock-type (or -99 to end) :                                    Rock-typ
e (or -99 to end) :                                  Rock-type (or -99 to end) :                                    Rock-type (or -9
9 to end) :                                Rock-type (or -99 to end) :                                    Rock-type (or -99 to end
) :                              Rock-type (or -99 to end) :                                    Rock-type (or -99 to end) :
                           Rock-type (or -99 to end) :
Sample data restricted to specific rock-types (Y/N) :


Maximum number of restricting rock-types .....                5

Rock-type.....                                                1
Restricting rock-type .(or -99 to end) :                      Restricting rock-type .(or -99 to end) :
Rock-type.....                                                2
Restricting rock-type .(or -99 to end) :                      Restricting rock-type .(or -99 to end) :
Rock-type.....                                                3
```

```
Restricting rock-type .(or -99 to end) :
Rock-type.....                                          4
Restricting rock-type .(or -99 to end) :
Rock-type.....                                          5
Restricting rock-type .(or -99 to end) :
Rock-type.....                                          6
Restricting rock-type .(or -99 to end) :
Rock-type.....                                          7
Restricting rock-type .(or -99 to end) :
Rock-type.....                                          8
Restricting rock-type .(or -99 to end) :
Rock-type.....                                          9
Restricting rock-type .(or -99 to end) :
```

```
Maximum distance for samples to be included :
number of samples to be used to interpolate a block :
Interpolation options :
 1: Inverse distance raised to a power
 2: Residual distance (range-distance) raised to a power
Enter option (eg 2) :
```

```
Minimum number of samples to used to interpolate a block :      Maximum

Power for weighting :
```

```
Horizontal angle of anisotropy :
(in degrees anti-clockwise from major axis,
co-incidental with model Easting direction) :
Vertical angle of anisotropy
(in degrees, -ve if dipping in the direction
of the horizonatal major axis ) :
Horizontal anisotropy factor :
Vertical anisotropy factor :
```

```
List all input data (Y/N) :

Write results to model (Y/N) :

Print out results (Y/N) :

Define range of columns or rows (Y/N) :
```

```
Trace options :
 1: No trace
 2: Trace to screen
 3: Trace to printer
Enter option (eg 2):
```

INVERSE DISTANCE MODELLING

DESCRIPTION : 1/d squared interpolation

OVERWRITING AN EXISTING MODEL

GRADE MODEL FOR LABEL 3 [%Zn]

FROM COLUMN [1] TO COLUMN [80] FROM ROW [1] TO ROW [110]

ROCK-TYPES USED FOR MODELLING :

ROCK-TYPE MODELLED:	RESTRICTING ROCK-TYPE:
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

MAXIMUM RANGE FOR INCLUSION OF SAMPLES : 75.00 [m]
MINIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 2
MAXIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 8

WEIGHTING BY INVERSE DISTANCE RAISED TO THE POWER 2.00

HORIZONTAL ANGLE OF ANISOTROPY : 180.00 [DEGREES]
VERTICAL ANGLE OF ANISOTROPY : -11.00 [DEGREES]
HORIZONTAL ANISOTROPY FACTOR : 1.41
VERTICAL ANISOTROPY FACTOR : 1.41

Number of data points..... 2749

Sorting data points

Specific benches (Y/N) :
Start bench : Stop bench :

Stop - Program terminated.

Number of rock-types..... 13

Number of polygons..... 0
Number of boreholes..... 344

Current extraction data :
Zn Composites

Extraction file options :
 1: Overwrite current file
 2: Append to current file
Enter option (eg 2) : Description (max 64 characters) :

Data extraction options :
 1: Borehole header data
 2: Borehole assay data
 3: Borehole composite data
 4: Borehole intersection data
Enter option (eg 2) :

Borehole selection options :
 1: By record number
 2: By borehole name
 3: By borehole type
Enter option (eg 2) :
Specific borehole records (Y/N) :
Starting record number (or -99 to end) : Ending record number :

Define range of collar elevations (Y/N) :

Define range of borehole lengths (Y/N) :

Polygon options :
 1: No test
 2: Inside polygon
 3: Outside polygon
Enter option (eg 2) :

Number of labels : 5 ; %Pb+Zn ; %Pb ; %Zn ; Ag g/t ; Au g/t

Label to be extracted (1-5) :
Define range of this label (Y/N) :
Label minimum : Label maximum :

Define specific rock-types (Y/N) :
Rock-type code (or -99 to end) : Rock-type code (or -99 to end) : Rock-typ
e code (or -99 to end) : Rock-type code (or -99 to end) : Rock-type code (
or -99 to end) : Rock-type code (or -99 to end) : Rock-type code (or -99 t
o end) : Rock-type code (or -99 to end) : Rock-type code (or -99 to end) :
Rock-type code (or -99 to end) :

Define range of elevations (Y/N) :
Minimum elevation : Maximum elevation :

Extraction options :
 1: First intersection
 2: Last intersection

```
 3: Nth intersection
 4: All intersections
Enter option (eg 2) :

Intersection position options:
 1: Top of intersection
 2: Centre of intersection
 3: Bottom of intersection
Enter option (eg 2) :

Log transformation (Y/N) :

Multiply by a factor (Y/N) :

Add a factor (Y/N) :


Number of extracted data points.....                2748

Extract more data (Y/N) :
Stop - Program terminated.

Number of rock-types.....                             13


Inverse Distance Model Construction


Description (max 64 characters) :

Modelling options :
 1: Start new benches
 2: Overwrite or add to existing benches
Enter option (eg 2) :


Modelling options :
 1: Density
 2: %Pb+Zn
 3:  %Pb
 4:  %Zn
 5: Ag g/t
 6: Au g/t
Enter option (eg 2) :
Interpolation will only be done
into blocks of selected rock-types


Rock-type (or -99 to end) :                                   Rock-type (or -99 to end) :                                   Rock-typ
e (or -99 to end) :                                       Rock-type (or -99 to end) :                                   Rock-type (or -9
9 to end) :                                           Rock-type (or -99 to end) :                                   Rock-type (or -99 to end
) :                                               Rock-type (or -99 to end) :                               Rock-type (or -99 to end) :
                                              Rock-type (or -99 to end) :
Sample data restricted to specific rock-types (Y/N) :


Maximum number of restricting rock-types .....                5

Rock-type.....                                                1
Restricting rock-type .(or -99 to end) :                  Restricting rock-type .(or -99 to end) :
Rock-type.....                                                2
Restricting rock-type .(or -99 to end) :                  Restricting rock-type .(or -99 to end) :
Rock-type.....                                                3
```

```
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                          4
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                          5
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                          6
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                          7
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                          8
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                          9
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :


Maximum distance for samples to be included :               Minimum number of samples to used to interpolate a block :      Maximum
number of samples to be used to interpolate a block :
Interpolation options :
 1: Inverse distance raised to a power
 2: Residual distance (range-distance) raised to a power
Enter option (eg 2) :                                       Power for weighting :


Horizontal angle of anisotropy :
(in degrees anti-clockwise from major axis,
co-incidental with model Easting direction) :
Vertical angle of anisotropy
(in degrees, -ve if dipping in the direction
of the horizonatal major axis ) :
Horizontal anisotropy factor :
Vertical anisotropy factor :

List all input data (Y/N) :

Write results to model (Y/N) :

Print out results (Y/N) :

Define range of columns or rows (Y/N) :



Trace options :
 1: No trace
 2: Trace to screen
 3: Trace to printer
Enter option (eg 2):
```

INVERSE DISTANCE MODELLING

DESCRIPTION : 1/d squared interpolation

OVERWRITING AN EXISTING MODEL

GRADE MODEL FOR LABEL 4 [Ag g/t]

FROM COLUMN [1] TO COLUMN [80] FROM ROW [1] TO ROW [110]

ROCK-TYPES USED FOR MODELLING :

ROCK-TYPE MODELLED:	RESTRICTING ROCK-TYPE:
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

MAXIMUM RANGE FOR INCLUSION OF SAMPLES : 75.00 [m]
MINIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 2
MAXIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 8

WEIGHTING BY INVERSE DISTANCE RAISED TO THE POWER 2.00

HORIZONTAL ANGLE OF ANISOTROPY : 180.00 [DEGREES]
VERTICAL ANGLE OF ANISOTROPY : -11.00 [DEGREES]
HORIZONTAL ANISOTROPY FACTOR : 1.41
VERTICAL ANISOTROPY FACTOR : 1.41

Number of data points..... 2749

Sorting data points

Specific benches (Y/N) :
Start bench : Stop bench :

Stop - Program terminated.

```
Number of polygons.....                                    0
Number of boreholes.....                                   344


Current extraction data :
Ag Composites

Extraction file options :
 1: Overwrite current file
 2: Append to current file
Enter option (eg 2) :                                  Description (max 64 characters) :


Data extraction options :
 1: Borehole header data
 2: Borehole assay data
 3: Borehole composite data
 4: Borehole intersection data
Enter option (eg 2) :


Borehole selection options :
 1: By record number
 2: By borehole name
 3: By borehole type
Enter option (eg 2) :
Specific borehole records (Y/N) :
Starting record number (or -99 to end) :                Ending record number :


Define range of collar elevations (Y/N) :

Define range of borehole lengths (Y/N) :

Polygon options :
 1: No test
 2: Inside polygon
 3: Outside polygon
Enter option (eg 2) :


Number of labels : 5     ;   %Pb+Zn ;     %Pb    ;     %Zn    ;    Ag g/t ;    Au g/t

Label to be extracted (1-5) :
Define range of this label (Y/N) :
Label minimum :                                            Label maximum :


Define specific rock-types (Y/N) :
Rock-type code (or -99 to end) :                                        Rock-type code (or -99 to end) :                                        Rock-typ
e code (or -99 to end) :                                                Rock-type code (or -99 to end) :                                        Rock-type code (
or -99 to end) :                                                        Rock-type code (or -99 to end) :                                        Rock-type code (or -99 t
o end) :                                                                Rock-type code (or -99 to end) :                                        Rock-type code (or -99 to end) :
                                                                Rock-type code (or -99 to end) :


Define range of elevations (Y/N) :
Minimum elevation :                                        Maximum elevation :

Extraction options :
 1: First intersection
```

```
 3: Nth intersection
 4: All intersections
Enter option (eg 2) :

Intersection position options:
 1: Top of intersection
 2: Centre of intersection
 3: Bottom of intersection
Enter option (eg 2) :

Log transformation (Y/N) :

Multiply by a factor (Y/N) :

Add a factor (Y/N) :


Number of extracted data points.....                2297

Extract more data (Y/N) :
Stop - Program terminated.

Number of rock-types.....                             13


Inverse Distance Model Construction


Description (max 64 characters) :

Modelling options :
 1: Start new benches
 2: Overwrite or add to existing benches
Enter option (eg 2) :


Modelling options :
 1: Density
 2: %Pb+Zn
 3:  %Pb
 4:  %Zn
 5: Ag g/t
 6: Au g/t
Enter option (eg 2) :
Interpolation will only be done
into blocks of selected rock-types


Rock-type (or -99 to end) :                                    Rock-type (or -99 to end) :                                    Rock-typ
e (or -99 to end) :                                  Rock-type (or -99 to end) :                                  Rock-type (or -9
9 to end) :                                Rock-type (or -99 to end) :                                Rock-type (or -99 to end
) :                              Rock-type (or -99 to end) :                              Rock-type (or -99 to end) :
                           Rock-type (or -99 to end) :
Sample data restricted to specific rock-types (Y/N) :


Maximum number of restricting rock-types .....                5

Rock-type.....                                                1
Restricting rock-type .(or -99 to end) :                      Restricting rock-type .(or -99 to end) :
Rock-type.....                                                2
Restricting rock-type .(or -99 to end) :                      Restricting rock-type .(or -99 to end) :
Rock-type.....                                                3
```

```
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                                                    4
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                                                    5
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                                                    6
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                                                    7
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                                                    8
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :
Rock-type.....                                                                                    9
Restricting rock-type .(or -99 to end) :                    Restricting rock-type .(or -99 to end) :


Maximum distance for samples to be included :               Minimum number of samples to used to interpolate a block :      Maximum
number of samples to be used to interpolate a block :
Interpolation options :
 1: Inverse distance raised to a power
 2: Residual distance (range-distance) raised to a power
Enter option (eg 2) :                                       Power for weighting :


Horizontal angle of anisotropy :
(in degrees anti-clockwise from major axis,
co-incidental with model Easting direction) :
Vertical angle of anisotropy
(in degrees, -ve if dipping in the direction
of the horizonatal major axis ) :
Horizontal anisotropy factor :
Vertical anisotropy factor :


List all input data (Y/N) :

Write results to model (Y/N) :

Print out results (Y/N) :

Define range of columns or rows (Y/N) :


Trace options :
 1: No trace
 2: Trace to screen
 3: Trace to printer
Enter option (eg 2):
```

INVERSE DISTANCE MODELLING

DESCRIPTION : 1/d squared interpolation

OVERWRITING AN EXISTING MODEL

GRADE MODEL FOR LABEL 5 [Au g/t]

FROM COLUMN [1] TO COLUMN [80] FROM ROW [1] TO ROW [110]

ROCK-TYPES USED FOR MODELLING :

ROCK-TYPE MODELLED:	RESTRICTING ROCK-TYPE:
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

MAXIMUM RANGE FOR INCLUSION OF SAMPLES : 75.00 [m]
MINIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 2
MAXIMUM NUMBER OF SAMPLES TO BE USED TO INTERPOLATE ONE BLOCK : 8

WEIGHTING BY INVERSE DISTANCE RAISED TO THE POWER 2.00

HORIZONTAL ANGLE OF ANISOTROPY : 180.00 [DEGREES]
VERTICAL ANGLE OF ANISOTROPY : -11.00 [DEGREES]
HORIZONTAL ANISOTROPY FACTOR : 1.41
VERTICAL ANISOTROPY FACTOR : 1.41

Number of data points..... 2298

Sorting data points

Specific benches (Y/N) :
Start bench : Stop bench :

Stop - Program terminated.

BLOCK MODEL EDITOR

FOR DENSITY

```
Model options :
 1: Geological rock-type
 2: Density
 3: %Pb+Zn
 4:  %Pb
 5:  %Zn
 6: Ag g/t
 7: Au g/t
 8: Variance for %Pb+Zn
 9: Variance for  %Pb
10: Variance for  %Zn
11: Variance for Ag g/t
12: Variance for Au g/t
13: Economic model
Enter option (eg 2):
```

Bench 2 = 19 pts

```
Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :
```

```
Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :
```

```
Value to be modified (or -99 to end) :
Number of blocks modified on this level.....
```

~~21~~ 21 (3)

```
Satisfied with your modifications (Y/N) :
```

```
Bench number (or -99 to end) :
```

```
Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :
```

```
Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :
```

```
Value to be modified (or -99 to end) :
Number of blocks modified on this level.....
```

~~20~~ 25 4

```
Satisfied with your modifications (Y/N) :
```

```
Bench number (or -99 to end) :
```

```
Editing options:
 1: Edit individual values in inidividual blocks
```

```
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                24   5

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                19   6

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                15   1

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :
```

```
Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                12   6

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                9   9

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                9   10

Satisfied with your modifications (Y/N) :
```

```
Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    15   \\

Satisfied with your modifications (Y/N) :



Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    19   ~


Satisfied with your modifications (Y/N) :



Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    17  13
```

```
Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                                  Value to be modified (or -99 to end) :                  New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    17  19

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :
**** No data for this bench ****
Bench number (or -99 to end) :
VALUE :     0  DOES NOT FALL BETWEEN :      1  AND :     50


Bench number (or -99 to end) :                                  Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :                                           Enter option (eg 2) :
VALUE :   -99  DOES NOT FALL BETWEEN :      1  AND :      5


Enter option (eg 2) :


Bench number (or -99 to end) :
**** No data for this bench ****
Bench number (or -99 to end) :
VALUE :     0  DOES NOT FALL BETWEEN :      1  AND :     50
```

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :
VALUE : -99 DOES NOT FALL BETWEEN : 1 AND : 5

Enter option (eg 2) :

Bench number (or -99 to end) :
**** No data for this bench ****
Bench number (or -99 to end) :
VALUE : 0 DOES NOT FALL BETWEEN : 1 AND : 50

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :
VALUE : -99 DOES NOT FALL BETWEEN : 1 AND : 5

Enter option (eg 2) :

Bench number (or -99 to end) :
e :

Value to be modified (or -99 to end) :

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 20

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :
e :

Value to be modified (or -99 to end) :

New valu

New valu

```
Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    20  19

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    23  20

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :
```

```
Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    20  21

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :
```

e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 18 22

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) : Value to be modified (or -99 to end) : New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 19 23

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) : Value to be modified (or -99 to end) : New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 26 29

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :
e :

Value to be modified (or -99 to end) :

New valu

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 30 25

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :
e :

Value to be modified (or -99 to end) :

New valu

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 24 26

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :
e :

Value to be modified (or -99 to end) :

New valu

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 22 27

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks

```
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                18  26

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                11  29

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                16  30

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :

Editing options:
```

```
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                16  31

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                17  32

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                16  33

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :
```

```
Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                13   34

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                13   39

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                7   36

Satisfied with your modifications (Y/N) :
```

```
Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                6 37

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                8 34

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....               11 39
```

```
Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    8  40

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    5  41

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :


Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :
```

```
Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    8     47

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                   10     43

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                          Value to be modified (or -99 to end) :                          New valu
e :


Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    7     49

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :
```

Bench number (or -99 to end) : Value to be modified (or -99 to end) : New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 4 45

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) : Value to be modified (or -99 to end) : New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 0 96

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) : Value to be modified (or -99 to end) : New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level..... 0 47

Satisfied with your modifications (Y/N) :

Bench number (or -99 to end) :

Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu

```
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    0  48

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    0  49

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :


Editing options:
 1: Edit individual values in inidividual blocks
 2: Edit individual values in all blocks
 3: Edit ranges of values in all blocks
 4: Next model type
 5: Return to module menu
Enter option (eg 2) :

Bench number (or -99 to end) :                    Value to be modified (or -99 to end) :                    New valu
e :

Value to be modified (or -99 to end) :
Number of blocks modified on this level.....                    0  50

Satisfied with your modifications (Y/N) :


Bench number (or -99 to end) :                    Stop - Program terminated.

D:\>
```

RESERVES

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : In-Situ Reserves

BENCH TOTALS FOR WASTE FROM .0000 [%Pb+Zn] TO 4.0000 [%Pb+Zn]

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES [%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
2	1088.50	1084.00	4568.94	2.703	12351.47	.022	.010	.012	.165	.005
3	1084.00	1079.50	4574.34	2.705	12371.47	.031	.014	.017	.230	.007
4	1079.50	1075.00	4599.18	2.706	12445.49	.038	.017	.021	.286	.009
5	1075.00	1070.50	4630.50	2.706	12528.83	.033	.015	.018	.248	.009
6	1070.50	1066.00	4649.40	2.705	12575.29	.025	.011	.014	.194	.007
7	1066.00	1061.50	4653.72	2.704	12583.29	.021	.009	.012	.164	.005
8	1061.50	1057.00	4657.50	2.704	12592.31	.020	.009	.011	.163	.005
9	1057.00	1052.50	4660.20	2.703	12597.22	.017	.008	.009	.141	.004
10	1052.50	1048.00	4659.12	2.703	12592.33	.015	.007	.008	.126	.004
11	1048.00	1043.50	4656.42	2.703	12585.20	.017	.007	.009	.134	.004
12	1043.50	1039.00	4662.36	2.703	12602.83	.021	.009	.013	.162	.005
13	1039.00	1034.50	4676.94	2.703	12641.69	.022	.009	.013	.165	.005
14	1034.50	1030.00	4695.84	2.703	12692.87	.020	.008	.012	.155	.005
15	1030.00	1025.50	4705.56	2.703	12718.20	.015	.006	.009	.114	.004
16	1025.50	1021.00	4700.70	2.703	12704.94	.013	.005	.007	.101	.004
17	1021.00	1016.50	4696.38	2.704	12698.11	.017	.007	.010	.145	.005
18	1016.50	1012.00	4690.98	2.705	12686.89	.021	.010	.011	.181	.006
19	1012.00	1007.50	4700.70	2.704	12712.95	.021	.009	.012	.174	.006
20	1007.50	1003.00	4710.96	2.704	12736.45	.016	.007	.010	.127	.005
21	1003.00	998.50	4713.66	2.703	12741.68	.014	.006	.008	.110	.004
22	998.50	994.00	4712.58	2.702	12735.06	.009	.004	.005	.078	.003
23	994.00	989.50	4712.04	2.702	12731.25	.006	.003	.003	.058	.002
24	989.50	985.00	4712.04	2.702	12731.33	.006	.003	.003	.056	.001
25	985.00	980.50	4717.98	2.702	12749.77	.008	.004	.004	.072	.001
26	980.50	976.00	4722.84	2.702	12762.78	.008	.004	.004	.078	.002
27	976.00	971.50	4717.98	2.702	12748.68	.007	.004	.004	.073	.001
28	971.50	967.00	4702.86	2.702	12707.95	.010	.005	.005	.090	.002
29	967.00	962.50	4692.06	2.703	12682.38	.016	.008	.009	.143	.003
30	962.50	958.00	4694.22	2.704	12690.94	.017	.008	.009	.154	.004
31	958.00	953.50	4701.78	2.703	12710.13	.015	.007	.008	.135	.004
32	953.50	949.00	4710.96	2.703	12731.87	.011	.006	.006	.097	.003
33	949.00	944.50	4716.90	2.702	12745.97	.010	.005	.005	.080	.003
34	944.50	940.00	4719.06	2.702	12749.52	.007	.004	.004	.061	.002
35	940.00	935.50	4728.24	2.702	12773.41	.006	.003	.003	.048	.001
36	935.50	931.00	4733.64	2.701	12786.73	.006	.003	.003	.045	.001
37	931.00	926.50	4736.88	2.701	12795.02	.005	.003	.003	.044	.001
38	926.50	922.00	4740.12	2.701	12803.28	.004	.002	.002	.036	.001
39	922.00	917.50	4744.44	2.701	12812.67	.001	.001	.001	.009	.000
40	917.50	913.00	4747.68	2.700	12820.03	.000	.000	.000	.000	.000
41	913.00	908.50	4749.30	2.700	12823.92	.000	.000	.000	.000	.000
42	908.50	904.00	4751.46	2.700	12830.24	.000	.000	.000	.000	.000

43	904.00	899.50	4752.00	2.700	12832.02	.000	.000	.000	.000	.000
44	899.50	895.00	4752.00	2.700	12831.53	.000	.000	.000	.000	.000
45	895.00	890.50	4752.00	2.700	12831.05	.000	.000	.000	.000	.000
46	890.50	886.00	4752.00	2.700	12830.40	.000	.000	.000	.000	.000
47	886.00	881.50	4752.00	2.700	12830.40	.000	.000	.000	.000	.000
48	881.50	877.00	4752.00	2.700	12830.40	.000	.000	.000	.000	.000
49	877.00	872.50	4752.00	2.700	12830.40	.000	.000	.000	.000	.000
50	872.50	868.00	4752.00	2.700	12830.40	.000	.000	.000	.000	.000
TOTAL FOR ALL BENCHES			230444.50	2.702	622729.10	.012	.005	.006	.094	.003

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : In-Situ Reserves

BENCH TOTALS FOR STOCKPILE FROM 4.0000 [%Pb+Zn] TO 6.0000 [%Pb+Zn]

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES [%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
2	1088.50	1084.00	46.98	3.298	154.95	4.768	2.095	2.673	34.198	.914
3	1084.00	1079.50	44.28	3.325	147.21	4.766	2.046	2.721	33.993	.943
4	1079.50	1075.00	35.64	3.277	116.79	4.740	2.034	2.706	33.612	.894
5	1075.00	1070.50	23.76	3.315	78.75	4.864	2.088	2.776	34.812	.936
6	1070.50	1066.00	17.28	3.228	55.78	4.974	2.077	2.897	35.289	.973
7	1066.00	1061.50	17.28	3.270	56.51	5.047	2.046	3.001	36.338	.973
8	1061.50	1057.00	27.00	3.305	89.22	4.987	2.052	2.934	35.659	.911
9	1057.00	1052.50	23.22	3.357	77.95	4.840	2.042	2.798	36.501	.966
10	1052.50	1048.00	18.36	3.466	63.64	4.736	2.094	2.642	36.416	1.007
11	1048.00	1043.50	15.66	3.500	54.81	4.921	2.148	2.772	36.939	1.042
12	1043.50	1039.00	16.20	3.353	54.32	4.938	2.145	2.793	37.182	1.070
13	1039.00	1034.50	22.14	3.263	72.25	4.884	2.064	2.819	36.336	1.050
14	1034.50	1030.00	15.12	3.255	49.22	4.888	2.049	2.839	36.236	1.052
15	1030.00	1025.50	14.04	3.473	48.76	5.086	2.300	2.785	40.201	1.215
16	1025.50	1021.00	17.28	3.593	62.09	5.134	2.339	2.795	41.545	1.315
17	1021.00	1016.50	16.74	3.571	59.77	4.909	2.253	2.656	39.040	1.288
18	1016.50	1012.00	15.66	3.425	53.64	4.639	2.116	2.524	35.107	1.101
19	1012.00	1007.50	8.64	3.395	29.33	4.757	2.162	2.594	35.211	1.043
20	1007.50	1003.00	5.94	3.494	20.75	4.909	2.270	2.639	35.867	1.024
21	1003.00	998.50	7.56	3.401	25.71	4.698	2.102	2.595	31.949	.981
22	998.50	994.00	11.34	3.332	37.79	4.708	2.064	2.644	31.711	1.022
23	994.00	989.50	10.80	3.305	35.69	4.925	2.102	2.823	33.823	1.025
24	989.50	985.00	8.10	3.269	26.48	4.994	2.080	2.913	35.066	1.057
25	985.00	980.50	7.56	3.442	26.02	5.122	2.222	2.901	37.857	1.148
26	980.50	976.00	5.40	3.453	18.65	4.896	2.178	2.719	36.850	1.100
27	976.00	971.50	3.24	3.351	10.86	4.911	2.098	2.813	36.130	.954
28	971.50	967.00	4.86	3.332	16.20	5.258	2.067	3.192	39.015	.891
29	967.00	962.50	8.64	3.227	27.88	4.817	1.950	2.867	34.590	.812
30	962.50	958.00	11.88	3.174	37.70	4.405	1.890	2.515	30.533	.747
31	958.00	953.50	11.34	3.191	36.18	4.534	1.958	2.575	31.342	.740
32	953.50	949.00	7.02	3.343	23.47	4.700	2.095	2.604	33.530	.879
33	949.00	944.50	2.70	3.528	9.53	4.870	2.319	2.551	32.543	1.081
34	944.50	940.00	3.24	3.966	12.85	5.780	2.905	2.875	36.994	1.011
35	940.00	935.50	3.24	3.920	12.70	5.587	2.701	2.886	37.442	.730
36	935.50	931.00	4.86	3.928	19.09	5.567	2.659	2.908	38.390	.943
37	931.00	926.50	3.78	3.985	15.06	5.259	2.498	2.762	35.859	.809
38	926.50	922.00	3.78	3.966	14.99	5.343	2.529	2.815	36.408	.897
39	922.00	917.50	2.16	3.788	8.18	5.216	2.407	2.809	36.159	.810
40	917.50	913.00	.00	.000	.00	.000	.000	.000	.000	.000
41	913.00	908.50	.00	.000	.00	.000	.000	.000	.000	.000
42	908.50	904.00	.00	.000	.00	.000	.000	.000	.000	.000

43	904.00	899.50	.00	.000	.00	.000	.000	.000	.000	.000
44	899.50	895.00	.00	.000	.00	.000	.000	.000	.000	.000
45	895.00	890.50	.00	.000	.00	.000	.000	.000	.000	.000
46	890.50	886.00	.00	.000	.00	.000	.000	.000	.000	.000
47	886.00	881.50	.00	.000	.00	.000	.000	.000	.000	.000
48	881.50	877.00	.00	.000	.00	.000	.000	.000	.000	.000
49	877.00	872.50	.00	.000	.00	.000	.000	.000	.000	.000
50	872.50	868.00	.00	.000	.00	.000	.000	.000	.000	.000
TOTAL FOR ALL BENCHES			522.72	3.368	1760.77	4.878	2.123	2.756	35.545	.991

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : In-Situ Reserves

BENCH TOTALS FOR ORE ABOVE 6.0000 [%Pb+Zn]

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	[%Pb+Zn]	AVERAGE GRADES [%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
2	1088.50	1084.00	136.08	3.516	478.45	10.621	4.087	6.534	70.338	1.083
3	1084.00	1079.50	133.38	3.573	476.60	10.434	4.044	6.390	69.435	1.104
4	1079.50	1075.00	117.18	3.659	428.73	10.338	4.023	6.315	68.813	1.143
5	1075.00	1070.50	97.74	3.672	358.86	10.149	3.929	6.220	67.441	1.135
6	1070.50	1066.00	85.32	3.659	312.15	9.871	3.776	6.095	64.767	1.070
7	1066.00	1061.50	81.00	3.619	293.11	9.633	3.628	6.005	62.677	1.033
8	1061.50	1057.00	67.50	3.691	249.12	10.269	3.802	6.467	67.725	1.084
9	1057.00	1052.50	68.58	3.750	257.16	10.600	3.930	6.670	70.707	1.175
10	1052.50	1048.00	74.52	3.824	284.93	10.809	4.071	6.738	72.588	1.255
11	1048.00	1043.50	79.92	3.865	308.89	11.181	4.231	6.950	75.170	1.264
12	1043.50	1039.00	73.44	3.842	282.15	10.972	4.234	6.738	72.698	1.228
13	1039.00	1034.50	52.92	3.829	202.65	10.982	4.331	6.651	70.753	1.198
14	1034.50	1030.00	41.04	3.831	157.24	11.112	4.363	6.749	70.952	1.232
15	1030.00	1025.50	32.40	3.883	125.80	10.853	4.483	6.371	71.696	1.235
16	1025.50	1021.00	34.02	3.906	132.90	9.885	4.285	5.601	69.315	1.245
17	1021.00	1016.50	38.88	3.901	151.66	9.979	4.081	5.898	69.696	1.361
18	1016.50	1012.00	45.36	3.891	176.48	10.087	4.079	6.008	69.695	1.408
19	1012.00	1007.50	42.66	3.812	162.63	10.430	4.164	6.267	70.201	1.298
20	1007.50	1003.00	35.10	3.714	130.35	10.313	4.145	6.168	69.649	1.194
21	1003.00	998.50	30.78	3.643	112.14	10.038	4.064	5.975	67.665	1.259
22	998.50	994.00	28.08	3.601	101.12	9.721	3.957	5.764	65.246	1.348
23	994.00	989.50	29.16	3.594	104.81	10.749	4.269	6.480	68.850	1.393
24	989.50	985.00	31.86	3.617	115.23	11.789	4.583	7.206	72.467	1.389
25	985.00	980.50	26.46	3.650	96.57	11.970	4.542	7.428	73.103	1.310
26	980.50	976.00	23.76	3.796	90.20	10.913	4.178	6.735	72.297	1.275
27	976.00	971.50	30.78	3.921	120.69	11.043	4.147	6.895	71.928	1.272
28	971.50	967.00	44.28	3.956	175.15	11.650	4.355	7.295	74.230	1.312
29	967.00	962.50	51.30	3.909	200.54	11.899	4.439	7.460	75.100	1.296
30	962.50	958.00	45.90	3.914	179.65	11.381	4.253	7.127	71.842	1.228
31	958.00	953.50	38.88	4.025	156.49	10.100	3.990	6.110	64.999	1.126
32	953.50	949.00	34.02	4.026	136.97	9.345	3.769	5.576	60.885	1.081
33	949.00	944.50	32.40	3.955	128.13	8.881	3.559	5.322	58.406	1.019
34	944.50	940.00	29.70	3.850	114.36	8.471	3.410	5.061	56.347	.990
35	940.00	935.50	20.52	3.806	78.10	7.788	3.357	4.431	50.308	1.057
36	935.50	931.00	13.50	3.862	52.14	7.156	3.321	3.836	44.349	.905
37	931.00	926.50	11.34	3.904	44.27	7.200	3.298	3.902	44.111	.847
38	926.50	922.00	8.10	3.882	31.45	7.643	3.297	4.347	46.366	.744
39	922.00	917.50	5.40	3.772	20.37	8.150	3.271	4.880	50.249	.687
40	917.50	913.00	4.32	3.774	16.31	8.912	3.447	5.465	55.354	.622
41	913.00	908.50	2.70	3.882	10.48	8.674	3.476	5.198	53.843	.954
42	908.50	904.00	.54	3.860	2.08	7.249	3.094	4.155	51.000	1.485

43	904.00	899.50	.00	.000	.00	.000	.000	.000	.000	.000	
44	899.50	895.00	.00	.000	.00	.000	.000	.000	.000	.000	
45	895.00	890.50	.00	.000	.00	.000	.000	.000	.000	.000	
46	890.50	886.00	.00	.000	.00	.000	.000	.000	.000	.000	
47	886.00	881.50	.00	.000	.00	.000	.000	.000	.000	.000	
48	881.50	877.00	.00	.000	.00	.000	.000	.000	.000	.000	
49	877.00	872.50	.00	.000	.00	.000	.000	.000	.000	.000	
50	872.50	868.00	.00	.000	.00	.000	.000	.000	.000	.000	
TOTAL FOR ALL BENCHES			1880.82	3.752	7057.10	10.400	4.043	6.357	68.480	1.177	

ECONOMIC MODEL

TRACE BLOCK IN COLUMN [20] ROW [51] LEVEL [14] ROCK-TYPE CODE : 1
MATERIAL TYPE (0=AIR 1=WASTE 2=ORE) : 2
PRIMARY MINERAL : %Pb+Zn
PRIMARY GRADE : 10.465 [%Pb+Zn]
DENSITY : 3.39 [tn/bcm]
BLOCK VOLUME : 540.00 [bcm]
BLOCK TONNAGE : 1830.06

ORE-STOCKPILE CUT-OFF GRADE : 5.000 [%Pb+Zn]
STOCKPILE-WASTE CUT-OFF GRADE : 4.000 [%Pb+Zn]

LABEL:	UNITS:	GRADE:	REVENUE:	RECOVERY:	BLOCK REVENUE:	CUM. REVENUE:
1	%Pb+Zn	10.47	.00	.00	.00	.00
2	%Pb	3.75	4.55	80.00	5993.08	5993.08
3	%Zn	6.71	41.28	83.00	56433.46	62426.54
4	Ag g/t	64.00	14.95	65.00	16000.81	78427.35
5	Au g/t	1.06	18.07	33.00	9822.03	88249.38

VOLUMETRIC MINING COSTS :

UNIT DRILLING COST : .175 TOT DRILLING COST : 94.39
UNIT BLASTING COST : .387 TOT BLASTING COST : 208.71
UNIT LOADING COST : .402 TOT LOADING COST : 216.97
UNIT SERVICES COST : .982 TOT SERVICES COST : 530.12
UNIT FIXED HAUL COST : .353 TOT FIXED HAUL COST : 190.78

VARIABLE HAULAGE COSTS :

UNIT VERTICAL HAULAGE COST : .062
VERTICAL HAULAGE DISTANCE : 230.00
TOT VERTICAL HAULAGE COST : 775.50
UNIT HORIZONTAL HAULAGE COST : .019
HORIZONTAL HAULAGE DISTANCE : 15500.00
TOT HORIZONTAL HAULAGE COST : 1582.77

ORE BASED MINING COSTS :

UNIT PROCESSING COST : 6.519 TOT PROCESSING COST : 11929.98
UNIT MINE ADMIN COST : 1.558 TOT MINE ADMIN COST : 2851.23
UNIT HEAD OFFICE ADMIN COST : .856 TOT HEAD OFFICE ADMIN COST : 1565.80
UNIT SPARE COST # 1 : .930 TOT SPARE COST # 1 : 1701.22
UNIT SPARE COST # 2 : .000 TOT SPARE COST # 2 : .00

TOTAL BLOCK REVENUE : 88249.38

TOTAL VOLUMETRIC MINING COST : 3599.25 -
TOTAL ORE BASED MINING COST : 18048.23 -

TOTAL BLOCK MINING COST : 21647.48

BLOCK ECONOMIC VALUE : 66601.91
INTEGER STORAGE VALUE : 6660

TRACE BLOCK IN COLUMN [20] ROW [57] LEVEL [14] ROCK-TYPE CODE : 10
MATERIAL TYPE (0=AIR 1=WASTE 2=ORE) : 1
DENSITY : 2.70 [tn/bcm]
BLOCK VOLUME : 540.00 [bcm]
BLOCK TONNAGE : 1458.00

VOLUMETRIC MINING COSTS :

UNIT DRILLING COST	:	.175	TOT DRILLING COST	:	94.39
UNIT BLASTING COST	:	.387	TOT BLASTING COST	:	208.71
UNIT LOADING COST	:	.402	TOT LOADING COST	:	216.97
UNIT SERVICES COST	:	.982	TOT SERVICES COST	:	530.12
UNIT FIXED HAUL COST	:	.353	TOT FIXED HAUL COST	:	190.78

VARIABLE HAULAGE COSTS :

UNIT VERTICAL HAULAGE COST	:	.062
VERTICAL HAULAGE DISTANCE	:	230.00
TOT VERTICAL HAULAGE COST	:	775.50
UNIT HORIZONTAL HAULAGE COST	:	.019
HORIZONTAL HAULAGE DISTANCE	:	1800.00
TOT HORIZONTAL HAULAGE COST	:	183.81

TOTAL BLOCK REVENUE	:	.00
TOTAL VOLUMETRIC MINING COST	:	2200.28 -
TOTAL ORE BASED MINING COST	:	.00 -
TOTAL BLOCK MINING COST	:	2200.28
BLOCK ECONOMIC VALUE	:	-2200.28
INTEGER STORAGE VALUE	:	-220

BLOCK IS CATEGORIZED AS WASTE

TRACE BLOCK IN COLUMN [20] ROW [65] LEVEL [14] ROCK-TYPE CODE : 6
MATERIAL TYPE (0=AIR 1=WASTE 2=ORE) : 2
PRIMARY MINERAL : %Pb+Zn
PRIMARY GRADE : 20.147 [%Pb+Zn]
DENSITY : 3.84 [tn/bcm]
BLOCK VOLUME : 540.00 [bcm]
BLOCK TONNAGE : 2073.60

ORE-STOCKPILE CUT-OFF GRADE : 5.000 [%Pb+Zn]
STOCKPILE-WASTE CUT-OFF GRADE : 4.000 [%Pb+Zn]

LABEL:	UNITS:	GRADE:	REVENUE:	RECOVERY:	BLOCK REVENUE:	CUM. REVENUE:
1	%Pb+Zn	20.15	.00	.00	.00	.00
2	%Pb	7.54	10.26	80.00	15325.50	15325.50
3	%Zn	12.60	85.02	83.00	131695.20	147020.70
4	Ag g/t	116.00	27.09	65.00	32860.91	179881.60
5	Au g/t	1.03	17.54	33.00	10804.88	190686.50

VOLUMETRIC MINING COSTS :

UNIT DRILLING COST : .175 TOT DRILLING COST : 94.39
UNIT BLASTING COST : .387 TOT BLASTING COST : 208.71
UNIT LOADING COST : .402 TOT LOADING COST : 216.97
UNIT SERVICES COST : .982 TOT SERVICES COST : 530.12
UNIT FIXED HAUL COST : .353 TOT FIXED HAUL COST : 190.78

VARIABLE HAULAGE COSTS :

UNIT VERTICAL HAULAGE COST : .062
VERTICAL HAULAGE DISTANCE : 230.00
TOT VERTICAL HAULAGE COST : 775.50
UNIT HORIZONTAL HAULAGE COST : .019
HORIZONTAL HAULAGE DISTANCE : 15500.00
TOT HORIZONTAL HAULAGE COST : 1582.77

ORE BASED MINING COSTS :

UNIT PROCESSING COST : 6.519 TOT PROCESSING COST : 13517.59
UNIT MINE ADMIN COST : 1.558 TOT MINE ADMIN COST : 3230.67
UNIT HEAD OFFICE ADMIN COST : .856 TOT HEAD OFFICE ADMIN COST : 1774.17
UNIT SPARE COST # 1 : .930 TOT SPARE COST # 1 : 1927.62
UNIT SPARE COST # 2 : .000 TOT SPARE COST # 2 : .00

TOTAL BLOCK REVENUE : 190686.50

TOTAL VOLUMETRIC MINING COST : 3599.25 -
TOTAL ORE BASED MINING COST : 20450.05 -

TOTAL BLOCK MINING COST : 24049.30

BLOCK ECONOMIC VALUE : 166637.20
INTEGER STORAGE VALUE : 16664

BLOCK IS CATEGORIZED AS ORE

PRINTOUT OF COSTS INFORMATION FOR RECORDS [1] to [1]

DETAILED PRINTOUT FOR RECORD [1]

DATE CAPTURED : 4/11/1986

RECORD DESCRIPTION :November 86 Model

GENERAL COST INFORMATION

MINE CALL FACTOR	:	90.00 PERCENT
ORE/STOCKPILE CUT-OFF GRADE	:	5.000
STOCKPILE/WASTE CUT-OFF GRADE	:	4.000
ORE PROCESSING COST	:	6.52
MINE ADMIN COST	:	1.56
HEAD OFFICE ADMIN COST	:	.86
SPARE COST # 1	:	.93
SPARE COST # 2	:	.00

HAULAGE INFORMATION

	PIT EXIT ELEVATIONS [m]	AVERAGE IN-PIT HAULAGE [m]	AVERAGE SURFACE HAULAGE [m]	HORIZONTAL HAULAGE COST [CDN $ /bcm/100 m]	UPWARDS VERTICAL HAULAGE COST [CDN $ /bcm/10 m]	DOWNWARDS VERTICAL HAULAGE COST [CDN $ /bcm/10 m]
ORE	1260.00	800.00	14700.00	.0189	.0624	.0368
STOCKPILE	1260.00	800.00	1000.00	.0189	.0624	.0368
WASTE	1260.00	800.00	1000.00	.0189	.0624	.0368

PRINTOUT OF COSTS INFORMATION FOR RECORDS [1] to [1]

DETAILED PRINTOUT FOR RECORD [1]

REVENUE / HEAD GRADE INFORMATION

NO OF REVENUE / HEAD GRADE CURVES : 5

DESCRIPTION : Pb + Zn (no revenue)

POINT	HEAD GRADE [%Pb+Zn]	REVENUE [CDN $ /%Pb+Zn]
1	.000	.000
2	100.000	.000

DESCRIPTION : Lead Revenue

POINT	HEAD GRADE [%Pb]	REVENUE [CDN $ / %Pb]
1	.000	.000
2	2.000	2.142
3	4.000	4.886
4	6.000	7.857
5	8.000	10.976
6	10.000	14.205
7	12.000	17.521
8	14.000	20.910
9	16.000	24.361
10	20.000	31.420

DESCRIPTION : Zinc Revenue

POINT	HEAD GRADE [%Zn]	REVENUE [CDN $ / %Zn]
1	.000	.000
2	2.000	9.970
3	4.000	22.589
4	6.000	36.207
5	8.000	50.480
6	10.000	65.226
7	12.000	80.361
8	14.000	95.816
9	16.000	111.545
10	20.000	143.695

DESCRIPTION : Silver Reveune

POINT	HEAD GRADE [Ag g/t]	REVENUE [CDN $ /Ag g/t]
1	.000	.000
2	300.000	9.646

PRINTOUT OF COSTS INFORMATION FOR RECORDS [1] to [1]

DETAILED PRINTOUT FOR RECORD [1]

DESCRIPTION : Gold Revenue

POINT	HEAD GRADE [Au g/t]	REVENUE [CDN $ /Au g/t]
1	.000	.000
2	50.000	849.196

PRINTOUT OF ROCK-TYPE INFORMATION FOR RECORDS [1] TO [13]

GEOLOGICAL AND GEOTECHNICAL DATA

REC	STAT	ROCK CODE	DESCRIPTION	RELATIVE DENSITY [tn/bcm]	PEN	SLOPE ANGLES [DEGREES] NW	N	NE	W	E	SW	S	SE
1	1	0	Air	.000	1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2	1	1	A Type / 2nd code A, A4, C, E, L	3.000	1	45.0	40.0	40.0	45.0	40.0	45.0	45.0	45.0
3	1	2	A4 Type	3.000	1	45.0	40.0	40.0	45.0	40.0	45.0	45.0	45.0
4	1	3	C Type	3.000	1	45.0	40.0	40.0	45.0	40.0	45.0	45.0	45.0
5	1	4	D Type	3.000	1	45.0	40.0	40.0	45.0	40.0	45.0	45.0	45.0
6	1	5	E Type	3.000	1	45.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0
7	1	6	E4 Type	3.000	1	45.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0
8	1	7	G Type	3.000	1	45.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0
9	1	8	H Type	3.000	1	45.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0
10	1	9	L Type	3.000	1	45.0	40.0	40.0	45.0	45.0	45.0	45.0	45.0
11	1	10	Waste	2.700	1	45.0	40.0	40.0	45.0	40.0	45.0	45.0	45.0
12	1	11	Unconsolidated Overburden	2.100	1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
13	1	12	Partially Above Topography	2.700	1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0

PRINTOUT OF ROCK-TYPE INFORMATION FOR RECORDS [1] TO [13]

MINING COST DATA

REC	STAT	ROCK CODE	DESCRIPTION	COST DATA [CDN $ PER bcm] DRILLING	BLASTING	LOADING	FIXED HAULAGE	MINING SERVICES
1	1	0	Air	.0000	.0000	.0000	.0000	.0000
2	1	1	A Type / 2nd code A, A4, C, E, L	.1748	.3865	.4018	.3533	.9817
3	1	2	A4 Type	.1748	.3865	.4018	.3533	.9817
4	1	3	C Type	.1748	.3865	.4018	.3533	.9817
5	1	4	D Type	.1748	.3865	.4018	.3533	.9817
6	1	5	E Type	.1748	.3865	.4018	.3533	.9817
7	1	6	E4 Type	.1748	.3865	.4018	.3533	.9817
8	1	7	G Type	.1748	.3865	.4018	.3533	.9817
9	1	8	H Type	.1748	.3865	.4018	.3533	.9817
10	1	9	L Type	.1748	.3865	.4018	.3533	.9817
11	1	10	Waste	.1748	.3865	.4018	.3533	.9817
12	1	11	Unconsolidated Overburden	.0175	.0387	.4018	.3533	.9817
13	1	12	Partially Above Topography	.0175	.0387	.4018	.3533	.9817

PRINTOUT OF ROCK-TYPE INFORMATION FOR RECORDS [1] TO [13]

METALLURGICAL DATA

ROCK DESCRIPTION CODE	TYPE	PRIMARY MINERAL	CUT OFF GRADES 0 - S/P	CUT OFF GRADES S/P - W	RECOVERIES [PERCENT] %Pb+Zn	%Pb	%Zn	Ag g/t	Au g/t
0 Air	air								
1 A Type / 2nd code A, A4, C, E, L	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	65.0	33.0
2 A4 Type	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	65.0	33.0
3 C Type	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	65.0	33.0
4 D Type	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	65.0	33.0
5 E Type	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	64.0	33.0
6 E4 Type	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	65.0	33.0
7 G Type	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	65.0	33.0
8 H Type	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	65.0	33.0
9 L Type	ore	%Pb+Zn	5.000	4.000	.0	80.0	83.0	65.0	33.0
10 Waste	waste								
11 Unconsolidated Overburden	waste								
12 Partially Above Topography	waste								