

GRUM DEPOSIT

018318

AREA OF
INFLUENCE = 61 METRES

GRUM DEPOSIT
OUT OF PIT

7 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	615	3.52	5.75	73	0.00	0	9.27	150527
64W	1258	5.25	6.61	80	0.00	0	11.86	315811
66W	2890	4.79	5.73	76	0.00	0	10.52	652185
68W	1990	5.31	8.85	84	0.00	0	14.16	454551
70W	1700	5.25	6.03	77	0.00	0	11.29	423343
72W	1610	4.10	6.81	74	0.00	0	10.91	379525
74W	3700	4.11	6.54	71	0.00	0	10.66	871814
76W	3360	3.86	6.19	65	0.00	0	10.06	787432
78W	3503	4.37	7.10	79	0.00	0	11.47	795402
80W	4328	4.50	7.32	75	0.00	0	11.82	1021672
82W	6405	4.14	7.11	72	0.00	0	11.25	1478426
84W	5506	3.77	6.29	65	0.00	0	10.07	1177550
86W	6540	4.01	7.06	67	0.00	0	11.07	1426302
TOTAL/WTED AVG		4.28	6.80	72	0.00	0	11.08	9934540

4 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	2028	2.68	4.11	51	0.00	0	7.05	452463
64W	3105	3.51	4.59	55	0.00	0	8.10	693947
66W	4298	4.09	4.88	64	0.00	0	8.97	953819
68W	3376	4.30	6.74	69	0.00	0	11.04	758156
70W	3400	3.79	4.76	59	0.00	0	8.55	769058
72W	1795	3.99	6.49	71	0.00	0	10.48	421684
74W	4680	3.94	5.93	66	0.00	0	9.87	1083102
76W	3953	3.62	5.72	61	0.00	0	9.34	908598
78W	4478	3.96	6.23	70	0.00	0	10.18	1002251
80W	6552	3.86	5.96	63	0.00	0	9.82	1514061
82W	6176	3.29	5.46	57	0.00	0	8.74	2377222
84W	7354	3.41	5.48	58	0.00	0	8.88	1583261
86W	12220	3.07	5.45	52	0.00	0	8.52	2673630
TOTAL/WTED AVG		3.57	5.55	60	0.00	0	9.12	15191251

3 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	2123	2.62	4.04	50	0.00	0	6.91	468863
64W	5183	2.79	3.45	45	0.00	0	6.23	1156206
66W	4298	4.09	4.88	64	0.00	0	8.97	953819
68W	3376	4.30	6.74	69	0.00	0	11.04	758156
70W	4048	3.50	4.37	55	0.00	0	7.86	896124
72W	3795	2.70	4.31	50	0.00	0	7.01	825046
74W	5330	3.68	5.59	62	0.00	0	9.27	1199612
76W	6110	2.96	4.54	51	0.00	0	7.50	1317647
78W	7268	3.05	4.83	54	0.00	0	7.88	1518526
80W	10151	3.10	4.75	51	0.00	0	7.85	2164171
82W	5886	3.23	5.36	56	0.00	0	8.59	2448592
84W	7354	3.41	5.48	58	0.00	0	8.88	1583261
86W	12220	3.07	5.45	52	0.00	0	8.52	2673630
TOTAL/WTED AVG		3.24	5.00	55	0.00	0	8.24	17963653

OUT OF PIT

0 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62M	2320	2.48	3.80	48	0.00	0	6.51	511389
64M	5323	2.74	3.40	44	0.00	0	6.14	1184388
66M	5920	3.23	4.01	54	0.00	0	7.24	1289883
68M	7238	2.68	4.10	44	0.00	0	6.77	1507608
70M	5168	3.02	3.78	48	0.00	0	6.81	1110955
72M	4933	2.38	3.71	43	0.00	0	6.08	1034070
74M	8315	2.82	4.29	48	0.00	0	7.11	1772108
76M	6640	2.82	4.32	49	0.00	0	7.14	1410854
78M	9395	2.77	4.36	49	0.00	0	7.13	1913703
80M	12751	2.74	4.21	45	0.00	0	6.94	2623056
82M	10839	3.23	5.36	56	0.00	0	8.59	2448592
84M	7354	3.41	5.48	58	0.00	0	8.88	1583261
86M	12463	3.01	5.34	51	0.00	0	8.35	2726883
TOTAL/MTED AVB		2.91	4.49	49	0.00	0	7.41	21116749

OUT OF PIT

SECTION 24

GRUM CSIT
OUT L PITAREA OF
INFLUENCE=

61.00 metres.

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.B.	TONNES
1	4ED	22.5	6.36	13.29	103			19.65	3.68	5051
2	4AD	70.0	0.63	1.24	14			1.87	3.22	13749
3	4EB	200.0	3.39	5.38	86			8.77	4.10	50020
4	4A4	32.5	1.88	3.10	39			4.98	3.15	6245
5	4EL	127.5	1.07	1.09	28			2.16	3.70	28777
6	4EA	325.0	3.24	5.44	64			8.68	4.11	81481
7	4AO	95.0	1.06	2.20	22			3.26	2.83	16400
8	4AK	25.0	2.93	4.25	38			7.18	2.84	4331
9	4B4	42.5	5.30	7.00	83			12.30	3.72	9644
10	4GE/5D	200.0	2.64	4.00	30			6.64	3.82	46604
11	4EA	602.5	2.80	3.16	42			5.96	3.43	126061
12	4AC	257.5	2.46	4.28	42			6.74	3.11	48850
13	4BE	320.0	2.60	2.42	41			5.02	3.80	74176
TOTAL		2320.0								511389

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn 7 %	615	3.52	5.75	73	0.00	0	9.27	150527
4 %	2028	2.68	4.11	51	0.00	0	7.05	452463
3 %	2123	2.62	4.04	50	0.00	0	6.91	468863
0 %	2320	2.48	3.80	48	0.00	0	6.51	511389

OUT OF PIT

SECTION 64W

GRUM JSIT
OUT OF PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A0	717.5	1.95	2.72	28			4.67	3.16	138305
2	4DE									0
3	4A4	7.5	6.29	7.80	95			14.09	3.29	1505
4	4C8	585.0	1.61	2.23	32			3.84	3.65	130250
5	4AL									0
6	5B9									0
7	4GE	37.5	5.39	8.73	92			14.12	4.28	9791
8	4AGH	115.0	3.12	3.79	53			6.91	3.87	27148
9	4A1	140.0	0.78	1.45	14			2.23	3.30	28182
10	4E4	40.0	4.60	8.35	85			12.95	4.28	10443
11	4HD	95.0	2.61	2.97	46			5.58	3.60	20862
12	4EC	1067.5	1.57	1.45	25			3.02	3.53	229865
13	4GE	945.0	5.35	6.44	81			11.79	4.20	242109
14	4GE	200.0	5.07	6.87	75			11.94	3.80	46360
15	4GL	37.5	2.99	3.20	42			6.19	3.65	8349
16	4A4	600.0	1.77	3.03	35			4.80	3.35	122610
17	4A4	37.5	2.30	4.60	39			6.90	3.03	6931
18	4A2	20.0	1.76	3.20	26			4.96	3.03	3697
19	4CEB	225.0	2.09	2.29	33			4.38	3.66	50234
20	4D4	27.5	3.22	4.42	56			7.64	3.34	5603
21	4E*	425.0	2.10	1.73	35			3.83	3.94	102145
TOTAL		5322.5								1184388

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	1258	5.25	6.61	80	0.00	0	11.86	315811
4 %	3105	3.51	4.59	55	0.00	0	8.10	693947
3 %	5183	2.79	3.45	45	0.00	0	6.23	1156206
0 %	5323	2.74	3.40	44	0.00	0	6.14	1184388

OUT OF PIT

SECTION 604

GRUM DSIT
OUT OF PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4EGL	103.0	10.55	9.52	173			20.07	4.00	25620
2	4A4									0
3	4A1	75.0	0.64	1.73	17			2.37	2.37	10843
4	4GED									0
5	4AD	210.0	1.20	1.64	30			2.84	3.05	39071
6	4A4									0
7	4AE	20.0	2.70	3.94	38			6.64	3.53	4307
8	4CD	657.5	0.48	1.68	20			2.16	3.40	136366
9	4CD	180.0	3.73	4.79	65			8.54	3.34	36673
10	4EA	210.0	2.52	4.10	46			6.62	3.84	49190
11	4EB	20.0	6.22	10.98	116			17.20	4.00	4880
12	4A1									0
13	4EA									0
14	4L4									0
15	4A1	62.5	1.55	3.13	28			4.68	3.01	11476
16	4A4	427.5	3.62	5.06	58			8.68	3.10	80840
17	4GD	957.5	5.57	6.33	83			11.90	3.82	223117
18	4D	397.5	3.98	5.23	64			9.21	3.34	80987
19	4GE	707.5	4.07	4.97	67			9.04	4.10	176946
20	4AD	275.0	0.98	1.64	27			2.62	2.95	49486
21	4ED	372.5	0.97	1.16	22			2.13	4.10	93162
22	4EB	310.0	2.50	3.83	46			6.33	3.79	71669
23	4CE	805.0	2.69	2.36	34			5.05	3.36	164993
24	4CE	32.5	1.52	1.41	40			2.93	3.60	7137
25	4GE	95.0	4.60	6.08	87			10.68	3.99	23122

TOTAL

5920.0

1289883

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn 7 %	2890	4.79	5.73	76	0.00	0	10.52	652185
4 %	4298	4.09	4.88	64	0.00	0	8.97	953819
3 %	4298	4.09	4.88	64	0.00	0	8.97	953819
0 %	5920	3.23	4.01	54	0.00	0	7.24	1289883

OUT OF PIT

SECTION 68W

GRUM JSIT
OUT OF PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4E4									0
2	48KA									0
3	4BD4									0
4	4A4									0
5	4A4									0
6	4A0	1885.0	0.86	1.69	14			2.55	2.93	336906
7	4E4									0
8	4E0									0
9	4ED									0
10	4D4	115.0	3.56	4.98	63			8.54	3.40	23851
11	4A4	332.0	4.87	9.08	83			13.95	3.43	69464
12	4DE	295.0	5.26	12.27	86			17.53	3.98	71620
13	4EC	192.5	2.01	3.56	34			5.57	3.55	41686
14	4D6									0
15	4EK									0
16	4G4									0
17	4EA	38.5	1.74	3.06	36			4.80	3.27	7680
18	4A4	122.5	2.46	5.28	44			7.74	3.12	23314
19	4G4	22.5	5.17	10.26	87			15.43	3.90	5353
20	4BE	555.0	5.79	7.19	82			12.98	4.06	137451
21	4E	725.0	3.03	3.91	53			6.94	3.77	166728
22	4ADC	305.0	2.35	2.89	35			5.24	3.22	59908
23	4CO	1977.5	1.19	1.20	21			2.39	3.42	412546
24	4E4	495.0	6.08	10.10	101			16.18	3.74	112929
25	4EB	125.0	3.69	3.24	50			6.93	3.62	27603
26	4A0	52.5	4.23	8.45	67			12.68	3.30	10568
TOTAL		7238.0								1507608

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	1990	5.31	8.85	84	0.00	0	14.16	434551
4 %	3376	4.30	6.74	69	0.00	0	11.04	758156
3 %	3376	4.30	6.74	69	0.00	0	11.04	758156
0 %	7238	2.68	4.10	44	0.00	0	6.77	1507608

OUT OF PIT

SECTION 70W

GRUM . OSIT
OUT OF PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4GK									0
2	4GD									0
3	4A4									0
4	4A4									0
4A	4L4									0
5	4AE									0
6	5B/4L	342.5	0.91	1.74	19			2.65	2.80	58499
7	4L2	57.5	1.37	2.50	26			3.87	3.02	10593
8	4ED									0
9	4A0	45.0	1.48	1.65	27			3.13	3.36	9223
10	4A0	132.5	1.81	2.95	36			4.76	3.33	26915
11	4L4									0
12	4A4									0
13	4AE									0
14	4EB									0
15	4A0	382.5	1.61	2.16	35			3.77	3.21	74897
16	4EB									0
17	4DE									0
18	4D	30.0	4.84	10.69	90			15.53	3.57	6533
19	4E4									0
20	4AE	57.5	0.25	0.91	17			1.16	3.03	10628
21	4CA	222.5	1.94	2.92	37			4.86	3.52	47775
22	4EB									0
23	4L	437.5	1.36	1.13	25			2.49	3.42	91271
24	4LC									0
25	4AC	150.0	2.59	2.55	43			5.14	3.99	36509
26	4A3	115.0	0.80	1.52	13			2.32	2.72	19081
27	4G4									0
28	4C0	25.0	1.47	1.89	28			3.36	3.36	5124
29	4A0	50.0	1.29	1.77	25			3.06	3.38	10309
30	4A0	877.5	1.60	3.59	31			5.19	3.01	161118
31	4GE	440.0	5.77	8.19	96			13.96	3.96	106286
32	4DC	100.0	2.68	3.32	45			6.00	3.55	21655
33	4GE	375.0	4.99	5.28	74			10.27	3.89	88984
34	4GED	395.0	4.59	4.31	63			8.90	4.28	103127
35	4EB	217.5	2.72	2.82	45			5.54	3.90	51743
36	4A0	87.5	2.80	1.15	36			3.95	3.17	16920
37	4GE	460.0	5.59	5.90	73			11.49	4.22	118413
38	4CB	167.5	0.89	1.28	22			2.17	3.46	35353
TOTAL		5167.5								1110955

SUMMARY CHART

CUTOFF	Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %		1700	5.25	6.03	77	0.00	0	11.29	423343
4 %		3400	3.79	4.76	59	0.00	0	8.55	769058
3 %		4048	3.50	4.37	55	0.00	0	7.86	896124
0 %		5168	3.02	3.78	48	0.00	0	6.81	1110955

OUT OF PIT

SECTION 24

GRUM JSIT
OUT L PIT

AREA OF INFLUENCE=		61.00 metres									
BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES	
1	4DLA									0	
2	4AD									0	
3	4A4									0	
4	4L0									0	
5	4BA	77.5	0.72	1.82	11			2.54	2.95	13946	
6	4AD	87.5	3.80	7.42	71			11.22	3.52	18788	
7	4A4	30.0	3.30	4.28	47			7.58	3.18	5819	
8	4E4									0	
9	4A4									0	
10	4ED									0	
11	4E4									0	
12	4LA	205.0	1.14	2.32	21			3.46	2.85	35639	
13	4A0	95.0	1.39	1.94	35			3.33	3.49	20225	
14	4EB									0	
15	4A4	187.5	1.61	2.20	25			3.81	3.15	36028	
16	4E4									0	
17	4AL	490.0	1.56	1.36	22			2.92	3.03	90567	
18	4EB									0	
19	4CL/5B9									0	
20	4CL	80.0	1.60	1.77	24			3.37	3.23	15762	
21	4GE									0	
22	4GE									0	
23	4EC									0	
24	4EG									0	
25	4DE	235.0	4.41	6.81	77			11.22	4.81	68951	
26	4EB									0	
27	4A0	265.0	0.69	1.06	15			1.75	3.07	49627	
28	4A4									0	
29	4C0	915.0	0.96	2.34	23			3.30	3.28	183073	
30	4L4	5.0	1.97	2.94	34			4.91	2.75	839	
31	4EK	132.5	4.42	9.25	80			13.67	3.90	31522	
32	4A0	305.0	0.88	1.31	18			2.19	2.95	54885	
33	4DK	175.0	3.38	5.98	77			9.36	3.48	37149	
34	4EB	557.5	4.68	8.07	80			12.75	3.94	133990	
35	4A4	147.5	2.69	4.49	53			7.18	3.03	27262	
36	4ADE	72.5	2.19	4.11	39			6.30	3.59	15877	
37	4CD	245.0	3.47	4.16	68			7.63	3.75	56044	
38	4E1	107.5	1.70	1.90	29			3.60	3.37	22099	
39	4EB	107.5	3.60	3.32	43			6.92	3.88	25443	
40	4EG	410.0	1.96	1.36	36			3.32	3.62	90536	
TOTAL		4932.5								1034070	

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	1610	4.10	6.81	74	0.00	0	10.91	379525
4 %	1795	3.99	6.49	71	0.00	0	10.48	421684
3 %	3795	2.70	4.31	50	0.00	0	7.01	825046
0 %	4933	2.38	3.71	43	0.00	0	6.08	1034070

OUT OF PIT

SECTION 4W

GRUM DE PIT
OUT OF PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AB									0
2	4AD									0
3	4DEA									0
4	4AC									0
5	4AD									0
6	4AL									0
7	4AC									0
8	4AC	570.0	1.31	2.47	21			3.78	2.92	101528
9	4E4									0
10	4LC									0
11	4A4									0
12	4CA	645.0	1.20	1.54	18			2.74	2.83	111346
13	4E									0
14	4EB									0
15	4EL									0
16	4EL									0
17	4A0	82.5	1.14	1.75	23			2.89	3.04	15299
18	4LA									0
19	4A1	132.5	0.80	2.16	15			2.96	3.03	24490
20	4A4									0
21	4A1	52.5	1.34	1.41	22			2.75	2.83	9063
22	4EB	405.0	3.91	6.06	64			9.97	4.17	103020
23	4D									0
24	4DA									0
25	4A4									0
26	4A1	452.5	1.13	1.26	18			2.39	2.76	76183
27	4AL									0
28	4A4	32.5	2.75	5.80	51			8.55	3.14	6225
29	4A4	165.0	3.79	3.91	63			7.70	3.03	30497
30	4B4	192.5	5.10	9.50	88			14.60	4.14	48614
31	4AB	100.0	3.40	5.85	48			9.25	3.50	21350
32	4L4	45.0	3.80	5.00	67			8.80	2.75	7549
33	4GC	87.5	4.37	4.90	74			9.27	3.80	20283
34	4EL*	75.0	4.20	4.04	58			8.24	3.84	17568
35	4DB	95.0	2.80	3.15	31			5.95	3.34	19355
36	4EB	785.0	3.28	3.41	48			6.69	3.57	170949
37	4EC	1157.5	1.00	1.58	21			2.58	3.53	249244
38	4BD	240.0	6.30	9.79	118			16.09	4.05	59292
39	4EA	100.0	3.03	3.54	47			6.57	3.44	20984
40	4EB	762.5	3.88	6.62	72			10.50	4.10	190701
41	4ED	690.0	4.50	7.84	72			12.34	3.90	164151
42	4ED	582.5	3.44	5.51	62			8.95	3.68	130760
43	4AC	317.5	0.86	1.93	21			2.79	2.96	57328
44	4LA	80.0	1.14	2.01	23			3.15	3.07	14982
45	4CO	145.0	0.55	0.89	19			1.44	3.34	29542
46	4DL	322.5	3.28	3.91	52			7.19	3.65	71805
TOTAL		8315.0								1772108

OUT OF PIT

SUMMARY CH.

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	3700	4.11	6.54	71	0.00	0	10.66	871814
4 %	4680	3.94	5.93	66	0.00	0	9.87	1083102
3 %	5330	3.68	5.59	62	0.00	0	9.27	1199612
0 %	8315	2.82	4.29	48	0.00	0	7.11	1772108

OUT OF PIT

SECTION /6W

GRUM DE IT
OUT OF PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A4									0
2	4AE									0
3	5A9	107.5	1.07	2.43	24			3.50	2.81	18427
4	4AD									0
5	5A9	112.5	0.71	1.41	18			2.12	2.78	19078
6	4ADL									0
7	4AL									0
7A	4A4									0
8	4AB									0
9	4L4	82.5	1.17	2.50	26			3.67	2.80	14091
10	4E4									0
11	4AE	117.5	0.52	0.98	22			1.50	3.03	21718
12	5B9/4E4									0
13	4EB									0
14	4KL									0
15	4A4									0
16	4AL	685.0	1.56	1.61	24			3.17	2.83	118232
17	4AD	200.0	4.07	7.19	69			11.26	3.31	40382
18	4AL	207.5	1.19	1.05	17			2.24	2.79	35314
19	4AD	175.0	4.80	7.38	74			12.18	3.23	34480
20	4AD									0
21	4AL	95.0	2.25	3.34	41			5.59	2.99	17327
22	4B	250.0	5.66	9.78	93			15.44	4.41	67233
23	4L4									0
24	4EB									0
25	4E	385.0	1.99	1.50	36			3.49	3.86	90652
26	4E4	160.0	4.59	7.43	95			12.02	4.15	40504
27	4L4	20.0	2.23	3.84	60			6.07	4.85	5917
28	4B4	20.0	6.20	9.60	121			15.80	4.18	5100
29	4EB	27.5	4.65	6.73	73			11.38	4.19	7029
30	4A1	407.5	1.26	2.32	29			3.58	3.04	75567
31	4A1	92.5	0.86	1.57	15			2.43	3.03	17097
32	4AE	490.0	1.21	2.23	20			3.44	3.08	92061
33	4BE	1812.5	3.50	5.85	61			9.33	3.98	440039
34	4EA	205.0	1.82	2.29	34			4.11	3.67	45893
35	4E4	5.0	4.60	6.60	82			11.20	3.94	1202
36	4E4	125.0	3.93	4.00	49			7.93	3.91	29814
37	4GL	272.5	2.16	2.65	35			4.81	3.13	52028
38	4BE	335.0	3.13	4.03	47			7.16	3.37	68866
39	4BE	250.0	3.85	5.62	60			9.47	3.46	52765
TOTAL		6640.0								1410854

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	3360	3.86	6.19	65	0.00	0	10.06	787432
4 %	3933	3.62	5.72	61	0.00	0	9.34	908398
3 %	6110	2.96	4.54	51	0.00	0	7.50	1317647
0 %	6640	2.82	4.32	49	0.00	0	7.14	1410854

OUT OF PIT

SECTION /8M

GRUM DE IT
OUT OF PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A0									0
2	4D4									0
3	4A4									0
4	4AD	520.0	1.22	2.77	25			3.99	2.77	87864
5	4D7									0
6	4D0									0
7	4DE									0
8	4A4									0
9	4ED									0
10	4CD									0
11	4L4	247.5	1.24	2.01	19			3.25	2.89	43632
12	4AD	35.0	3.11	6.08	58			9.19	3.24	6917
13	4A0									0
14	4ACD	130.0	1.83	3.39	33			5.22	2.95	23394
15	4L4	312.5	1.15	1.61	21			2.76	2.76	52613
16	4A4									0
17	4DAE	87.5	4.37	9.02	81			13.39	3.41	18201
18	4A	87.5	4.09	5.12	70			9.21	3.25	17347
19	4AL	185.0	1.01	2.12	22			3.13	2.81	31711
20	4A4	67.5	2.02	3.00	37			5.02	3.07	12641
21	4AE									0
22	4A4									0
23	4LA	545.0	1.12	2.10	21			3.22	3.05	101397
24	4AL									0
25	4A1	287.5	1.26	2.00	23			3.26	2.85	49982
26	4AE/4EB									0
27	4A4									0
27A	4E4									0
28	4A0	65.0	1.86	0.92	30			2.78	2.99	11855
29	4A0	190.0	2.01	2.05	34			4.06	3.29	38131
29A	4AL	250.0	0.94	1.16	13			2.10	2.87	43768
30	4GE	890.0	4.17	6.92	84			11.09	4.18	226932
31	4A0	335.0	1.17	1.78	24			2.95	2.93	59875
32	4AE	102.5	2.16	3.74	39			5.90	3.32	20758
33	4EA4	932.5	3.65	5.19	63			8.84	3.56	202502
34	4A4	15.0	2.67	4.29	46			6.96	3.03	2772
35	4EA	153.0	3.71	5.39	64			9.10	3.91	36969
36	4EA/5B9	425.0	5.22	8.29	98			13.51	3.98	103182
37	4EA	67.5	1.45	2.30	27			3.73	3.40	14000
38	4EA	787.5	1.49	1.90	25			3.39	3.33	159965
39	4E1	30.0	1.20	1.23	27			2.43	3.80	6934
40	4DA	582.5	6.03	10.85	97			16.88	3.35	119034
41	4AED	70.0	2.68	5.60	53			8.28	3.64	15343
42	4C3	150.0	1.21	1.60	19			2.81	3.34	30561
43	4EB	195.0	3.01	3.53	51			6.54	3.62	43060
44	4A8	55.0	2.34	4.76	44			7.10	3.19	10702
45	4AE	182.5	4.15	6.41	68			10.56	3.42	38073
46	4EB	275.0	2.45	2.39	27			4.84	3.94	66094
47	4A0	150.0	1.66	1.59	23			3.25	3.03	27725

OUT OF PIT

4	4A	530.0	1.86	3.27	30		5.13	3.03	97960
4	4LB	455.0	2.72	4.09	42		6.81	3.30	91592
TOTAL		9395.0							1913703

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	3503	4.37	7.10	79	0.00	0	11.47	795402
4 %	4478	3.96	6.23	70	0.00	0	10.18	1002251
3 %	7268	3.05	4.83	54	0.00	0	7.88	1518526
0 %	9395	2.77	4.36	49	0.00	0	7.13	1913703

OUT OF PIT

SECTION FROM

GRUM DI PIT
OUT OF PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A1									0
2	4AE									0
3	4A4									0
4	4AB	422.5	0.95	1.76	19			2.71	3.00	77318
5	4A4									0
6	4A2									0
7	4D4									0
8	4CO	122.5	1.00	1.34	19			2.34	2.77	20699
9	4A4									0
10	4AC									0
11	4AC	250.0	1.27	2.23	22			3.50	2.85	43463
12	4ADCB									0
13	4AD									0
14	4AO									0
15	4ALC	2482.5	1.27	1.92	22			3.19	2.97	449755
16	4AE									0
17	4A4									0
18	4A4	17.5	4.18	7.82	69			12.00	3.33	3555
19	4EA	125.0	0.45	0.76	17			1.21	3.79	28899
20	4EB	95.0	5.40	7.86	96			13.26	3.90	22601
21	4AEL	477.5	2.81	4.77	54			7.58	3.41	99325
22	4E									0
23	4EB									0
24	4E4	167.5	3.00	4.00	46			7.00	3.94	40257
25	4L4	12.0	2.40	2.80	35			5.20	2.80	2050
26	4AD	500.0	3.75	7.24	68			10.99	3.44	104920
27	4AL	1357.5	1.14	1.65	19			2.79	2.71	224408
28	4AD	175.0	5.87	9.44	116			15.31	3.35	35761
29	4AD	70.0	1.86	3.55	36			5.41	3.10	13237
30	4A4	17.5	2.40	6.20	52			8.60	3.03	3235
31	4A4	22.5	8.80	14.10	138			22.90	3.50	4804
32	4A4	227.5	1.86	3.12	30			4.98	3.03	42049
33	4A4	866.0	1.58	1.85	27			3.43	2.97	156893
34	4E4	250.0	4.63	7.90	82			12.53	4.19	63898
35	4B0	87.5	3.07	5.90	60			8.97	4.36	23272
36	4EB	765.0	2.61	3.65	46			6.26	3.83	178727
37	4EB	867.5	4.25	6.77	73			11.02	3.98	210612
38	4A1	302.5	1.83	3.08	36			4.91	3.18	58679
39	4ED	865.0	5.45	10.12	89			15.57	3.99	210532
40	4L4	190.0	2.45	2.40	33			4.85	3.35	38827
41	4AE	572.5	0.99	1.84	18			2.83	3.08	107561
42	4AE	160.0	4.04	6.45	72			10.49	3.73	36405
43	4EB	330.0	3.17	3.27	42			6.44	3.93	79111
44	4GE	327.5	2.70	2.28	32			4.98	3.99	79710
45	4B4	610.0	5.25	6.21	68			11.46	4.28	159259
46	4EDA	15.0	4.86	8.48	92			13.34	3.54	3239
TOTAL		12730.5								2623056

OUT OF PIT

CUTOFF		SUMMARY OF						
Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	4328	4.50	7.32	75	0.00	0	11.82	1021672
4 %	6552	3.86	5.96	63	0.00	0	9.82	1514061
3 %	10151	3.10	4.75	51	0.00	0	7.85	2164171
0 %	12751	2.74	4.21	45	0.00	0	6.94	2623056

OUT OF PIT

SECTION B2H

BRUM DE JIT
OUT OF PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AD									0
2	4CA		0.64	2.28	20			2.92	3.60	0
3	4E0	17.0	1.66	5.42	29			7.08	3.60	3733
4	4E4	10.0	7.64	13.50	134			21.14	3.60	2196
5	4D4									0
6	4A4									0
7	4A0	117.5	1.00	3.13	20			4.13	3.60	25803
8	4AD	25.0	3.91	8.29	62			12.20	3.60	5490
9	4DA	87.5	4.67	7.14	94			11.81	3.60	19215
10	4AL		1.34	1.58	19			2.92	3.60	0
11	4AGD									0
12	4A4	376.5	2.31	4.69	45			7.00	3.60	82679
13	4AC									0
14	4A4									0
15	4D4									0
16	4AD									0
17	4AC	137.5	1.41	2.74	24			4.15	3.60	30195
18	4A4	50.0	2.86	4.86	55			7.72	3.60	10980
19	4EC	242.5	1.67	2.94	31			4.61	3.60	53253
20	4LA	325.0	1.40	2.16	23			3.56	3.60	71370
21	4A4									0
22	4D4									0
23	4B4	124.5	6.20	6.42	107			12.62	3.60	27340
24	4C0		1.78	1.83	27			3.61	3.60	0
25	4A0									0
26	4A4	112.5	4.44	7.51	80			11.95	3.30	22646
27	4A4	547.5	2.88	4.88	48			7.76	3.60	120231
28	4AC		1.18	1.12	19			2.30	3.60	0
29	4A3	11.0	1.48	2.73	32			4.21	3.60	2416
30	4E4	24.2	4.98	8.50	92			13.48	3.60	5314
31	4A4	47.5	5.90	4.77	63			10.67	3.60	10431
32	4B4	1077.5	4.78	8.05	84			12.83	4.15	272769
33	4AE	220.0	1.69	2.95	29			4.64	3.60	48312
34	4E4	62.5	6.96	11.87	120			18.83	3.60	13725
35	4A0	897.5	1.86	2.40	31			4.26	3.60	197091
36	4A4	175.0	4.09	9.83	85			13.92	3.30	35228
37	4A4	417.5	3.74	7.43	71			11.17	3.60	91683
38	4C0	187.5	1.95	3.10	35			5.05	3.30	37744
39	4A4	227.5	4.25	7.45	73			11.70	3.60	49959
40	4A0		0.58	1.54	14			2.12	3.60	0
41	4CD	365.0	2.16	2.65	32			4.81	3.60	80154
42	4CA	157.5	1.68	2.88	27			4.56	3.60	34587
43	4A0	457.5	1.82	2.47	30			4.29	3.60	100467
44	4BE	1580.0	4.50	7.49	77			11.99	3.98	383592
45	4E4	75.0	2.43	3.01	54			5.44	3.60	16470
46	4L4		1.14	1.58	22			2.72	3.60	0
47	4C0	237.5	1.75	2.66	30			4.41	3.60	52155
48	4BAE	355.0	4.13	6.99	72			11.12	3.80	82289
49	4B0	195.0	2.40	4.15	42			6.55	3.60	42822

OUT OF PIT

51	4DE	340.0	2.90	4.70	58	7.60	3.60	74664
52	4AEC	105.0	1.95	3.25	44	5.20	3.60	23058
53	4AE	120.0	2.29	3.23	40	5.52	3.60	26352
54	4ECA	582.5	2.03	2.42	30	4.45	3.60	127917
55	4C0		0.77	1.54	15	2.31	3.60	0
56	4E4	10.5	7.33	14.54	112	21.87	3.60	2306
57	4A4	60.0	3.45	6.30	69	9.75	3.60	13176
58	4C		0.92	1.74	19	2.66	3.60	0
59	4D	302.5	2.99	5.38	53	8.37	3.60	66429
59	4D4	375.0	5.03	9.50	73	14.53	3.60	82350

TOTAL

10838.7

2448592

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	6405	4.14	7.11	72	0.00	0	11.25	1478426
4 %	6176	3.29	5.46	57	0.00	0	8.74	2377222
3 %	5886	3.23	5.36	56	0.00	0	8.59	2448592
0 %	10839	3.23	5.36	56	0.00	0	8.59	2448592

OUT OF PIT

SECTION 84W

GRUM DE. IT
OUT OF PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A4	45.0	4.79	13.65	83			18.44	3.60	9882
2	4A4	186.0	2.29	5.17	38			7.46	3.60	40846
3	4A4	184.5	3.34	5.30	53			8.64	3.60	40516
4	4D4	166.5	4.33	6.37	72			10.70	3.60	36563
5	4A4	37.5	2.98	7.66	59			10.64	3.60	8235
6	4D4	35.0	7.20	12.10	133			19.30	3.60	7686
7	4A4	70.0	4.78	7.27	108			12.05	3.60	15372
8	4A0	77.5	1.95	4.37	38			6.32	3.60	17019
9	4EA	57.5	2.23	6.51	47			8.74	3.60	12627
10	4AD									0
11	4A0									0
12	4A4									0
13	4AC	702.5	1.79	2.72	28			4.51	3.60	154269
14	4AD	477.5	3.56	5.73	62			9.29	3.60	104859
15	4DA	425.0	3.23	5.11	53			8.34	3.30	85553
16	4AK	250.0	4.37	7.60	78			11.97	3.50	53375
17	4AK	342.5	3.15	4.88	53			8.03	3.30	68945
18	4A4	345.0	2.61	4.32	41			6.93	3.60	75762
19	4A4	231.5	2.86	5.21	54			8.07	3.60	50837
20	4ED	75.0	5.43	6.07	84			11.50	3.60	16470
21	4B0	112.5	4.45	1.39	77			5.84	3.60	24705
22	4E4	135.0	4.56	6.70	76			11.26	4.00	32940
23	4A4	375.0	3.28	6.24	62			9.52	3.10	70913
24	4AGE	352.5	5.45	9.76	96			15.21	3.60	77409
25	4E4/5A9	72.5	8.27	13.13	123			21.40	3.60	15921
26	4AE	407.5	4.77	7.39	80			12.16	3.60	89487
27	4GE	225.0	2.66	3.49	41			6.15	3.60	49410
28	4GE	295.0	3.34	5.25	41			8.59	3.60	64782
29	4EG	987.5	3.29	5.48	61			8.77	3.50	210831
30	4A4	60.0	3.43	6.24	63			9.67	3.10	11346
31	4A0	70.0	1.89	2.77	35			4.66	3.60	15372
32	4EB	220.0	3.32	4.67	55			7.99	3.60	48312
33	4E4	17.5	5.20	11.00	77			16.20	3.60	3843
34	4EB	315.0	2.47	2.73	35			5.20	3.60	69174
TOTAL		7353.5								1583261

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn	5506	3.77	6.29	65	0.00	0	10.07	1177550
7 %	7334	3.41	5.48	58	0.00	0	8.88	1583261
4 %	7334	3.41	5.48	58	0.00	0	8.88	1583261
3 %	7334	3.41	5.48	58	0.00	0	8.88	1583261
0 %	7334	3.41	5.48	58	0.00	0	8.88	1583261

OUT OF PIT

SECTION 60H

GRUM DE IT
OUT OF . . TAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4CD		1.71	1.71	23			3.42	3.60	0
2	4A0		1.24	2.60	26			3.84	3.60	0
3	4A4	965.0	2.26	6.82	49			9.08	3.60	211914
4	4AE	60.0	2.05	4.32	40			6.37	3.60	13176
5	4A4	1805.0	1.68	3.85	33			5.53	3.60	396378
6	4A0		1.01	2.57	20			3.58	3.60	0
7	4A4	20.0	2.31	4.49	40			6.80	3.60	4392
8	4AD	600.0	2.56	4.64	40			7.20	3.60	131760
9	4A4	1357.5	1.77	3.47	36			5.24	3.60	298107
10	4CE		1.56	1.47	24			3.03	3.60	0
11	4CB	177.5	2.74	2.94	60			5.68	3.60	38979
12	4E4	102.5	6.40	18.60	117			25.00	3.60	22509
13	4AE	362.5	3.03	6.94	78			9.97	3.60	79605
14	4A0		1.36	1.98	24			3.34	3.60	0
15	4AE	357.5	3.35	6.32	66			9.67	3.60	78507
16	4D5	57.5	2.11	4.04	33			6.15	3.60	12627
17	4C0	47.5	1.87	3.36	27			5.23	3.60	10431
18	4D4	857.5	4.37	7.57	72			11.94	3.60	188307
19	4D4	770.0	2.40	3.60	30			6.00	3.60	169092
20	4D0	435.0	2.41	3.68	38			6.09	3.60	95526
21	4A4	272.5	2.17	2.93	33			5.10	3.60	59841
22	4DL	380.0	2.20	3.92	38			6.12	3.60	83448
23	4D0	797.5	4.10	5.26	65			9.36	3.60	175131
24	4G4	550.0	6.61	12.68	102			19.29	3.60	120780
25	4A0		1.09	1.26	24			2.35	3.60	0
26	4AE	45.0	2.82	4.94	45			7.76	3.60	
27	4A4	37.5	3.02	5.05	40			8.07	3.60	8235
28	4GA	230.0	6.00	10.11	98			16.11	3.60	50508
29	4AG	200.0	2.21	3.33	31			5.54	3.60	43920
30	4GL	447.5	4.03	5.36	58			9.39	3.60	98271
31		242.5						0.00	3.60	53253
32	4E4	137.5	6.00	8.40	94			14.40	3.60	30195
33	4A0		1.40	2.46	26			3.86	3.60	0
34	4EB	1050.0	4.39	5.76	66			10.15	3.60	230580
35	4A4	97.5	2.60	2.97	39			5.57	3.60	21411
36	4LB		1.55	0.64	11			2.19	3.60	0
TOTAL		12462.5								2726883

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	6540	4.01	7.06	67	0.00	0	11.07	1426302
4 %	12220	3.07	5.45	52	0.00	0	8.52	2673630
3 %	12220	3.07	5.45	52	0.00	0	8.52	2673630
0 %	12463	3.01	5.34	51	0.00	0	8.35	2726883

OUT OF PIT

AREA OF
INFLUENCE = 61 METRES

GRUM DEPOSIT
DLK PIT

7 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	763	4.96	9.55	95	0.00	0	14.51	179877
64W	1073	5.40	10.14	91	0.00	0	15.53	242031
66W	2223	5.90	8.83	98	0.00	0	14.73	504571
68W	2563	5.26	7.70	84	0.00	0	12.96	594516
70W	4403	5.43	9.69	92	0.00	0	15.13	1061122
72W	8073	3.94	6.33	67	0.00	0	10.27	1781532
74W	7495	4.13	6.91	69	0.00	0	11.04	1575911
76W	5208	4.87	8.37	83	0.00	0	13.24	1115338
78W	6965	3.66	6.98	62	0.00	0	10.64	1386373
80W	4933	3.89	6.20	66	0.00	0	10.09	993329
82W	2367	3.40	6.14	59	0.00	0	9.54	513205
84W	2933	2.56	4.75	42	0.00	0	7.31	644087
86W	250	2.56	4.64	40	0.00	0	7.20	54900
TOTAL/WTED AVB		4.27	7.26	72	0.00	0	11.53	10648992

4 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	763	4.96	9.55	95	0.00	0	14.51	179877
64W	1533	4.52	8.15	75	0.00	0	12.67	334599
66W	3018	4.89	7.49	82	0.00	0	12.38	659883
68W	2962	4.82	7.03	77	0.00	0	11.85	682193
70W	7368	4.18	7.49	72	0.00	0	11.67	1656062
72W	9020	3.76	6.03	64	0.00	0	9.79	1967427
74W	10648	3.52	5.98	59	0.00	0	9.50	2154197
76W	10588	3.61	6.20	62	0.00	0	9.81	2098136
78W	10835	3.09	5.83	53	0.00	0	8.92	2091391
80W	11788	2.94	5.05	51	0.00	0	7.57	2269232
82W	5709	2.46	4.43	43	0.00	0	6.89	1241051
84W	5373	2.13	3.97	36	0.00	0	6.09	1179911
86W	4125	2.32	4.50	40	0.00	0	6.82	905850
TOTAL/WTED AVB		3.40	5.87	58	0.00	0	9.21	17419808

3 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	763	4.96	9.55	95	0.00	0	14.51	179877
64W	1533	4.52	8.15	75	0.00	0	12.67	334599
66W	3018	4.89	7.49	82	0.00	0	12.38	659883
68W	2962	4.82	7.03	77	0.00	0	11.85	682193
70W	7368	4.18	7.49	72	0.00	0	11.67	1656062
72W	9020	3.76	6.03	64	0.00	0	9.79	1967427
74W	10648	3.52	5.98	59	0.00	0	9.50	2154197
76W	10588	3.61	6.20	62	0.00	0	9.81	2098136
78W	10835	3.09	5.83	53	0.00	0	8.92	2091391
80W	11788	2.94	5.05	51	0.00	0	7.57	2269232
82W	5709	2.46	4.43	43	0.00	0	6.89	1241051
84W	5373	2.13	3.97	36	0.00	0	6.09	1179911
86W	4125	2.32	4.50	40	0.00	0	6.82	905850
TOTAL/WTED AVB		3.40	5.87	58	0.00	0	9.21	17419808

0 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62N	763	4.96	9.55	95	0.00	0	14.51	179877
64N	1533	4.52	8.15	75	0.00	0	12.67	334599
66N	3018	4.89	7.49	82	0.00	0	12.38	659883
68N	2962	4.82	7.03	77	0.00	0	11.85	682193
70N	7368	4.18	7.49	72	0.00	0	11.67	1656062
72N	9020	3.76	6.03	64	0.00	0	9.79	1967427
74N	10648	3.52	5.98	59	0.00	0	9.50	2154197
76N	10588	3.61	6.20	62	0.00	0	9.81	2098136
78N	10835	3.09	5.83	53	0.00	0	8.92	2091391
80N	11788	2.94	5.05	51	0.00	0	7.57	2269232
82N	5709	2.46	4.43	43	0.00	0	6.89	1241051
84N	5373	2.13	3.97	36	0.00	0	6.09	1179911
86N	4125	2.32	4.50	40	0.00	0	6.82	905850
TOTAL/WTED AVG		3.40	5.87	58	0.00	0	9.21	17419808

SECTION 62W

GRUM D. .SIT
OLK PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4ED	422.5	6.36	13.29	103			19.65	3.68	94843
2	4AD									
3	4EB	340.0	3.39	5.38	86			8.77	4.10	85034
4	4AA									
5	4EL									
6	4EA									
7	4AD									
8	4AK									
9	4B4									
10	4BE/5D									
11	4EA									
12	4AC									
13	4BE									

TOTAL

762.5

179877

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	763	4.96	9.55	95	0.00	0	14.51	179877
4 %	763	4.96	9.55	95	0.00	0	14.51	179877
3 %	763	4.96	9.55	95	0.00	0	14.51	179877
0 %	763	4.96	9.55	95	0.00	0	14.51	179877

SECTION 64W

GRUM L. SIT
OLK PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A0	370.0	1.95	2.72	28			4.67	3.16	71321
2	4DE	515.0	6.05	12.43	104			18.48	3.81	119691
3	4A4	110.0	6.29	7.80	95			14.09	3.29	22076
4	4C8									0
5	4AL	137.5	2.93	6.64	51			9.57	3.03	25414
6	5B9	75.0	2.81	6.59	45			9.40	2.95	13496
7	48E	235.0	5.39	8.73	92			14.12	4.28	61354
8	4A8H	90.0	3.12	3.79	53			6.91	3.87	21246
9	4A1									0
10	4E4									0
11	4HD									0
12	4EC									0
13	48E									0
14	48E									0
15	48L									0
16	4A4									0
17	4A4									0
18	4A2									0
19	4CEB									0
20	4D4									0
21	4E*									0

TOTAL

1532.5

334599

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	1073	5.40	10.14	91	0.00	0	15.53	242031
4 %	1533	4.52	8.15	75	0.00	0	12.67	334599
3 %	1533	4.52	8.15	75	0.00	0	12.67	334599
0 %	1533	4.52	8.15	75	0.00	0	12.67	334599

OLK PIT

SECTION 66W

GRUM L. OSIT
OLK PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4EBL	305.0	10.55	9.52	173			20.07	4.00	74420
2	4A4	52.5	1.33	4.38	21			5.71	3.03	9704
3	4A1									0
4	4GED	1067.5	5.73	9.71	94			15.44	3.84	250051
5	4A0									0
6	4A4	235.0	4.04	5.73	63			9.77	3.32	47392
7	4AE	142.5	2.70	3.94	38			6.64	3.53	30685
8	4C0									0
9	4C0	32.5	3.75	4.79	65			8.54	3.34	6622
10	4EA									0
11	4EB	237.5	6.22	10.98	116			17.20	4.00	57950
12	4A1	600.0	1.32	2.83	26			4.15	3.14	114924
13	4EA	237.5	2.58	5.01	44			7.59	3.44	49837
14	4L4	107.5	2.95	7.00	44			9.95	2.76	18099
15	4A1									0
16	4A4									0
17	4B0									0
18	4D									0
19	4GE									0
20	4A0									0
21	4ED									0
22	4EB									0
23	4CE									0
24	4CE									0
25	4GE									0
TOTAL		3017.5								659883

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	2223	5.90	8.83	98	0.00	0	14.73	504571
4 %	3018	4.89	7.49	82	0.00	0	12.38	659883
3 %	3018	4.89	7.49	82	0.00	0	12.38	659883
0 %	3018	4.89	7.49	82	0.00	0	12.38	659883

SECTION 68W

GRUM DEPOSIT
OLK PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4E4	175.0	8.37	6.78	111			15.15	3.64	38857
2	4GKA	172.5	6.03	6.91	88			12.94	3.22	33882
3	4BD4	430.0	5.27	9.93	85			15.20	3.48	91280
4	4A4	102.5	2.86	5.48	54			8.34	3.29	20571
5	4A4	30.0	5.13	7.81	73			12.94	3.23	5911
6	4A0									0
7	4E4	437.5	5.08	9.18	84			14.26	4.18	111534
8	4E0	390.0	1.80	2.52	33			4.32	3.61	65882
9	4E0	357.5	5.11	10.25	89			15.36	3.88	84613
10	4D4	27.5	3.56	4.98	63			8.54	3.40	5704
11	4A4	45.5	4.87	9.08	83			13.95	3.43	9520
12	4DE									0
13	4EC									0
14	4D6	127.5	7.55	6.63	96			14.18	3.34	25977
15	4EK	492.5	4.38	3.68	66			8.06	4.15	124676
16	4B4	165.0	5.25	8.96	106			14.21	4.17	41971
17	4EA	9.0	1.74	3.06	36			4.80	3.27	1793
18	4A4									0
19	4B4									0
20	4BE									0
21	4E									0
22	4ADC									0
23	4CO									0
24	4E4									0
25	4EB									0
26	4A0									0
TOTAL		2962.0								682193

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	2563	5.26	7.70	84	0.00	0	12.96	594516
4 %	2962	4.82	7.03	77	0.00	0	11.85	682193
3 %	2962	4.82	7.03	77	0.00	0	11.85	682193
0 %	2962	4.82	7.03	77	0.00	0	11.85	682193

SECTION 70W

GRUM DEPOSIT
DLK PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4BK	57.5	7.39	8.53	123			15.92	4.06	14240
2	4BD	62.5	6.22	7.14	96			13.36	4.00	15250
3	4A4	482.5	2.41	5.88	44			8.29	3.03	89180
4	4A4	1087.5	2.18	4.30	38			6.48	3.32	220241
4A	4L4	75.0	2.58	4.29	38	-		6.87	3.03	13862
5	4AE	690.0	1.78	3.29	33			5.07	3.43	144369
6	5B/4L									0
7	4L2									0
8	4ED	1152.5	6.61	13.15	111			19.76	4.12	289646
9	4A0									0
10	4A0	182.5	1.81	2.95	36			4.76	3.33	37071
11	4L4	522.5	1.34	3.13	27			4.47	2.85	90837
12	4A4	165.0	3.87	7.85	64			11.72	3.03	30497
13	4AE	147.5	1.20	2.95	25			4.15	3.16	28432
14	4EB	837.5	4.73	9.42	87			14.15	4.33	221209
15	4A0									0
16	4EB	142.5	3.83	5.74	76			9.57	4.14	35987
17	4DE	425.0	6.91	13.13	111			20.04	3.51	90997
18	4D	50.0	4.84	10.69	90			15.53	3.57	10889
19	4E4	237.5	5.30	10.70	96			16.00	4.04	58530
20	4AE									0
21	4CA									0
22	4EB	710.0	5.63	5.98	88			11.61	4.27	184934
23	4L									0
24	4LC	110.0	3.12	2.63	47			5.75	3.52	23619
25	4AC	150.0	2.59	2.55	43			5.14	3.99	36509
26	4A3									0
27	4B4	80.0	5.10	7.50	89			12.60	4.05	19764
28	4C0									0
29	4A0									0
30	4A0									0
31	4GE									0
32	4DC									0
33	4GE									0
34	4BED									0
35	4EB									0
36	4A0									0
37	4BE									0
38	4CB									0

TOTAL

7367.5

1656062

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	4403	5.43	9.69	92	0.00	0	15.13	1061122
4 %	7368	4.18	7.49	72	0.00	0	11.67	1656062
3 %	7368	4.18	7.49	72	0.00	0	11.67	1656062
0 %	7368	4.18	7.49	72	0.00	0	11.67	1656062

DLK PIT

SECTION 72W

GRUM D. SIT
OLK PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	-AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.B.	TONNES
1	4DLA	230.0	4.53	8.06	74			12.61	3.30	46299
2	4AD	417.5	2.07	3.75	37			5.82	3.30	84043
3	4A4	2277.5	2.42	4.78	44			7.20	3.15	437622
4	4LO	280.0	1.46	2.79	22			4.25	2.97	50728
5	4BA									0
6	4AD	195.0	3.80	7.42	71			11.22	3.52	41870
7	4A4	745.0	3.30	4.28	47			7.58	3.18	144513
8	4E4	130.0	4.50	8.46	78			12.96	3.10	24583
9	4A4	1125.0	3.35	5.66	50			9.01	3.07	210679
10	4ED	192.5	7.48	14.50	132			21.98	3.95	46383
11	4E4	30.0	9.35	17.70	143			27.05	4.11	7521
12	4LA									0
13	4A0									0
14	4EB	517.5	4.86	8.28	83			13.14	4.08	128795
15	4A4									0
16	4E4	92.5	3.25	6.23	71			9.48	3.94	22231
17	4AL									0
18	4EB	262.5	6.69	5.25	97			11.94	4.19	67092
19	4CL/5B9	180.0	2.64	2.31	40			4.95	3.27	35905
20	4CL									0
21	4BE	177.5	6.28	7.02	101			13.30	4.23	45800
22	4BE	147.5	5.17	5.31	85			10.48	4.06	36530
23	4EC	50.0	2.73	2.16	53			4.89	3.89	11865
24	4EB	212.5	6.63	8.22	110			14.85	4.11	55276
25	4DE	912.5	4.41	6.81	77			11.22	4.81	267737
26	4EB	725.0	3.29	6.07	65			9.36	4.03	178227
27	4A0									0
28	4A4	77.5	6.36	12.73	102			19.09	3.60	17019
29	4C0									0
30	4L4	20.0	1.97	2.94	34			4.91	2.75	3355
31	4EK	22.5	4.42	9.25	80			13.67	3.90	5353
32	4A0									0
33	4DK									0
34	4EB									0
35	4A4									0
36	4ADE									0
37	4CD									0
38	4E1									0
39	4EB									0
40	4EB									0
TOTAL		9020.0								1967427

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn 7 %	8073	3.94	6.33	67	0.00	0	10.27	1781532
4 %	9020	3.76	6.03	64	0.00	0	9.79	1967427
3 %	9020	3.76	6.03	64	0.00	0	9.79	1967427
0 %	9020	3.76	6.03	64	0.00	0	9.79	1967427

OLK PIT

SECTION 74W

GRUM DEI T
DLK PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AB	992.5	1.19	2.89	25			4.08	2.95	178600
2	4AD	485.0	2.19	5.59	44			7.78	3.26	96447
3	4DEA	357.5	6.45	9.34	101			15.79	3.40	74146
4	4AC	665.0	4.02	6.91	65			10.93	3.10	125752
5	4AD	617.5	3.10	5.32	50			8.42	3.18	119783
6	4AL	195.0	2.16	3.66	37			5.82	2.87	34139
7	4AC	1127.5	2.20	3.91	35			6.11	3.06	210459
8	4AC									0
9	4E4	305.0	7.37	14.35	125			21.72	3.94	73304
10	4LC	225.0	2.91	4.67	46			7.58	3.19	45783
11	4A4	420.0	3.16	5.38	49			8.54	3.06	78397
12	4CA									0
13	4E	357.5	6.12	10.97	103			17.09	3.83	83523
14	4EB	382.5	6.14	4.64	78			10.78	4.13	96830
15	4EL	55.0	2.96	2.62	41			5.58	3.40	11407
16	4EL	335.0	3.74	3.63	61			7.37	3.65	74588
17	4AO									0
18	4LA	195.0	1.87	3.37	31			5.24	2.97	35328
19	4A1									0
20	4A4	55.0	6.04	9.50	101			15.54	2.89	9696
21	4A1									0
22	4EB									0
23	4D	475.0	4.96	10.31	89			13.27	3.38	97936
24	4DA	222.5	2.65	4.03	42			6.68	3.39	46011
25	4A4	545.0	3.29	5.02	49			8.31	2.97	98738
26	4A1									0
27	4AL	365.0	1.52	3.25	29			4.77	2.80	62342
28	4A4	1100.0	2.75	5.80	51			8.55	3.14	210694
29	4A4									0
30	4B4									0
31	4AB									0
32	4L4									0
33	4BC									0
34	4EL*									0
35	4DB									0
36	4EB									0
37	4EC									0
38	4BD	105.0	6.30	9.79	118			16.09	4.05	25940
39	4EA									0
40	4EB	1065.0	3.88	6.62	72			10.50	4.10	266357
41	4ED									0
42	4ED									0
43	4AC									0
44	4LA									0
45	4CO									0
46	4DL									0
TOTAL		10647.5								2154197

DLK PIT

SUMMARY CH

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	7495	4.13	6.91	69	0.00	0	11.04	1575911
4 %	10648	3.52	5.98	59	0.00	0	9.50	2154197
3 %	10648	3.52	5.98	59	0.00	0	9.50	2154197
0 %	10648	3.52	5.98	59	0.00	0	9.50	2154197

SECTION 76W

GRUM DE. IT
DLK PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A4	1640.0	2.21	4.06	39			6.27	3.01	301120
2	4AE	253.0	4.16	6.88	69			11.04	3.12	48532
3	5A9									0
4	4AD	1127.5	3.10	5.83	50			8.93	3.04	209084
5	5A9									0
6	4ADL	1112.5	2.42	4.27	39			6.69	2.95	200194
7	4AL	1305.0	1.62	2.64	27			4.26	2.98	237223
7A	4A4	525.0	3.68	7.15	68			10.83	3.10	99278
8	4AB	172.5	3.53	6.78	59			10.31	2.97	31252
9	4L4									0
10	4E4	1687.5	6.23	10.93	110			17.16	4.11	423073
11	4AE									0
12	5B9/4E4	125.0	2.52	6.24	43			8.76	2.95	22494
13	4EB	37.5	7.17	17.31	108			24.48	4.37	9996
14	4KL	30.0	4.21	8.64	84			12.85	3.48	6368
15	4A4	1085.0	2.55	4.20	43			6.75	2.97	196569
16	4AL									0
17	4AD	667.5	4.07	7.19	69			11.26	3.31	134775
18	4AL									0
19	4AD	253.0	4.80	7.38	74			12.18	3.23	50243
20	4AD	220.0	2.22	3.28	48			5.50	3.27	43883
21	4AL									0
22	4B									0
23	4L4	17.5	1.98	2.05	36			4.03	3.38	3608
24	4EB	300.0	6.72	6.47	102			13.19	4.05	74115
25	4E									0
26	4E4	25.0	4.59	7.43	95			12.02	4.15	6329
27	4L4									0
28	4G4									0
29	4EB									0
30	4A1									0
31	4A1									0
32	4AE									0
33	4BE									0
34	4EA									0
35	4E4									0
36	4E+4									0
37	4BL									0
38	4BE									0
39	4GE									0
TOTAL		10587.5								2098136

SUMMARY CHART

CUTOFF	Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %		5208	4.87	8.37	83	0.00	0	13.24	111538
4 %		10588	3.61	6.20	62	0.00	0	9.81	2098136
3 %		10588	3.61	6.20	62	0.00	0	9.81	2098136
0 %		10588	3.61	6.20	62	0.00	0	9.81	2098136

DLK PIT

SECTION /8W

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A0	1362.5	1.91	3.52	32			5.43	2.90	241026
2	4D4	255.0	2.73	5.20	43			7.93	3.34	51954
3	4A4	2435.0	2.94	5.76	48			8.70	3.03	450061
4	4AD									0
5	4D7	15.0	2.78	5.04	20			7.82	3.34	3056
6	4D0	22.5	1.87	3.21	29			5.08	3.34	4584
7	4DE	310.0	2.71	4.72	51			7.43	3.18	60134
8	4A4	167.5	3.43	4.20	67			7.63	3.31	33820
9	4ED	227.5	5.98	10.58	97			16.56	3.47	48155
10	4CD	265.0	1.80	2.98	35			4.78	3.01	48657
11	4L4									0
12	4AD	837.5	3.11	6.08	58			9.19	3.24	165524
13	4A0	287.5	1.37	2.70	33			4.07	3.19	55945
14	4ACD	700.0	1.83	3.39	35			5.22	2.95	125965
15	4L4									0
16	4A4	517.5	2.24	4.60	47			6.84	3.04	95965
17	4DAE	287.5	4.37	9.02	81			13.39	3.41	59803
18	4A									0
19	4AL									0
20	4A4									0
21	4AE	182.5	2.51	4.51	43			7.02	3.00	33398
22	4A4	100.0	8.31	16.38	113			24.69	3.52	21472
23	4LA									0
24	4AL	190.0	2.10	4.22	35			6.32	2.87	33263
25	4A1									0
26	4AE/4EB	1042.5	5.68	11.73	98			17.41	3.81	242287
27	4A4	1047.5	2.78	4.27	43			7.05	3.15	201277
27A	4E4	57.5	3.99	6.96	77			10.95	4.40	15433
28	4A0									0
29	4A0	162.5	2.01	2.05	34			4.06	3.29	32612
29A	4AL									0
30	4GE									0
31	4A0									0
32	4AE									0
33	4EA4									0
34	4A4	362.5	2.67	4.29	46			6.96	3.03	67001
35	4EA									0
36	4E4/5B9									0
37	4EA									0
38	4EA									0
39	4E1									0
40	4DA									0
41	4AED									0
42	4C3									0
43	4EB									0
44	4AB									0
45	4AE									0
46	4EB									0
47	4A0									0

OLK PIT

4y 4A
4LG

0
0

TOTAL

10835.0

2091391

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	6965	3.66	6.98	62	0.00	0	10.64	1386373
4 %	10835	3.09	5.83	53	0.00	0	8.92	2091391
3 %	10835	3.09	5.83	53	0.00	0	8.92	2091391
0 %	10835	3.09	5.83	53	0.00	0	8.92	2091391

SECTION BOW

GRUM DE IT
OLK PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.B.	TONNES
1	4A1	1060.0	2.09	3.80	34			5.89	3.03	195920
2	4AE	1325.0	2.79	5.53	52			4.88	3.39	273997
3	4A4	560.0	2.70	4.96	49			7.66	3.03	103505
4	4AB									0
5	4A4	762.5	2.89	4.74	47			7.63	3.03	140933
6	4A2	310.0	1.65	4.57	38			6.22	2.86	54083
7	4D4	92.5	2.15	4.24	38			6.39	2.99	16871
8	4C0									0
9	4A4	350.0	3.12	5.83	57			8.95	2.89	61702
10	4AC	162.5	1.54	3.90	26			5.44	2.85	28251
11	4AC									0
12	4ADCB	585.0	2.43	4.53	40			6.96	3.22	114906
13	4AD	175.0	3.18	5.03	46			8.21	2.95	31491
14	4A0	2252.5	1.78	3.38	33			5.16	2.88	395719
15	4ALC									0
16	4AE	712.5	2.38	4.25	44			6.63	3.08	133865
17	4A4	880.0	3.35	6.16	57			9.51	3.11	166945
18	4A4	470.0	4.18	7.82	69			12.00	3.33	95471
19	4EA									0
20	4EB	412.5	5.40	7.86	96			13.26	3.90	98134
21	4AEL									0
22	4E	210.0	4.38	3.61	63			7.99	3.46	44323
23	4EB	245.0	7.25	6.33	112			13.58	4.47	66804
24	4E4	75.0	3.00	4.00	46			7.00	3.94	18026
25	4L4	353.0	2.40	2.80	35			5.20	2.80	60292
26	4AD	602.5	3.75	7.24	68			10.99	3.44	126429
27	4AL									0
28	4AD									0
29	4AD									0
30	4A4									0
31	4A4									0
32	4A4									0
33	4A4									0
34	4E4									0
35	4B0									0
36	4EB									0
37	4EB									0
38	4A1									0
39	4ED									0
40	4L4									0
41	4AE									0
42	4AE									0
43	4EB									0
44	4B8									0
45	4B4									0
46	4EDA	192.5	4.86	8.48	92			13.34	3.54	41568
TOTAL		11788.0								2269232

OLK PIT

CUTOFF		SUMMARY OF							TONNES
Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn		
7 %	4935	3.89	6.20	66	0.00	0	10.09	995329	
4 %	11788	2.94	5.05	51	0.00	0	7.57	2269232	
3 %	11788	2.94	5.05	51	0.00	0	7.57	2269232	
0 %	11788	2.94	5.05	51	0.00	0	7.57	2269232	

SECTION 82M

GRUM DE. IT
DLK PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AD	795.0	2.35	4.91	42			7.26	3.60	174582
2	4CA									0
3	4E0	58.0	1.66	5.42	29			7.08	3.60	12737
4	4E4	85.0	7.64	13.50	134			21.14	3.60	18666
5	4D4	42.5	3.90	5.30	58			9.20	3.60	9333
6	4A4	160.0	2.72	3.92	59			6.64	3.60	35136
7	4A0									0
8	4AD	85.0	3.91	8.29	62			12.20	3.60	18666
9	4DA									0
10	4AL									0
11	4AGD	142.5	1.56	2.87	27			4.43	3.60	31293
12	4A4	251.0	2.31	4.69	45			7.00	3.60	55120
13	4AC	542.5	1.61	3.05	29			4.66	3.60	119133
14	4A4	1110.0	1.81	3.38	31			5.19	3.60	243756
15	4D4	52.5	3.26	7.11	57			10.37	3.60	11529
16	4AD	327.5	2.19	3.84	38			6.03	3.60	71919
17	4AC	85.0	1.41	2.74	24			4.15	3.60	18666
18	4A4									0
19	4EC									0
20	4LA									0
21	4A4	237.5	3.65	4.76	55			8.41	3.60	52155
22	4D4	177.5	4.50	6.81	70			11.31	3.60	38979
23	4B4	45.5	6.20	6.42	107			12.62	3.60	9992
24	4C0									0
25	4A0	410.0	1.51	2.75	27			4.26	3.60	90036
26	4A4	327.5	4.44	7.51	80			11.95	3.30	65926
27	4A4									0
28	4AC									0
29	4A3	9.0	1.48	2.73	32			4.21	3.60	1976
30	4E4									0
31	4A4									0
32	4G4									0
33	4AE									0
34	4E4									0
35	4A0									0
36	4A4	32.5	4.09	9.83	85			13.92	3.30	6542
37	4A4	142.5	3.74	7.43	71			11.17	3.60	31293
38	4C0	325.0	1.95	3.10	35			5.05	3.30	65423
39	4A4	35.0	4.25	7.45	73			11.70	3.60	7686
40	4A0									0
41	4CD									0
42	4CA	230.0	1.68	2.88	27			4.56	3.60	50508
43	4A0									0
44	4GE									0
45	4E4									0
46	4L4									0
47	4C0									0
48	4BAE									0
49	4B0									0

DLK PIT

1	4DE	0
51	4AEC	0
52	4AE	0
53	4ECA	0
54	4CO	0
55	4E4	0
56	4A4	0
57	4C	0
58	4D	0
59	4D4	0

TOTAL	5708.5	1241051
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SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	2367	3.40	6.14	59	0.00	0	9.54	513205
4 %	5709	2.46	4.43	43	0.00	0	6.89	1241051
3 %	5709	2.46	4.43	43	0.00	0	6.89	1241051
0 %	5709	2.46	4.43	43	0.00	0	6.89	1241051

SECTION 84W

GRUM DEL .T
DLK PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A4									0
2	4A4	124.0	2.29	5.17	38			7.46	3.60	27230
3	4A4	123.0	3.34	5.30	55			8.64	3.60	27011
4	4D4	136.0	4.33	6.37	72			10.70	3.60	29866
5	4A4									0
6	4D4									0
7	4A4									0
8	4A0									0
9	4EA									0
10	4AD	2550.0	2.44	4.62	40			7.06	3.60	559980
11	4A0	815.0	1.81	3.54	34			5.35	3.60	178974
12	4A4	1625.0	1.50	2.77	25			4.27	3.60	336850
13	4AC									0
14	4AD									0
15	4DA									0
16	4AK									0
17	4AK									0
18	4A4									0
19	4A4									0
20	4ED									0
21	4E0									0
22	4E4									0
23	4A4									0
24	4AGE									0
25	4E4/5A9									0
26	4AE									0
27	4GE									0
28	4GE									0
29	4EB									0
30	4A4									0
31	4A0									0
32	4EB									0
33	4E4									0
34	4EB									0
TOTAL		5373.0								1179911

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	2933	2.56	4.75	42	0.00	0	7.31	644087
4 %	5373	2.13	3.97	36	0.00	0	6.09	1179911
3 %	5373	2.13	3.97	36	0.00	0	6.09	1179911
0 %	5373	2.13	3.97	36	0.00	0	6.09	1179911

DLK PIT

SECTION B6M

GRUM DEI .T
DLK PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4CD									0
2	4AO									0
3	4A4									0
4	4AE	25.0	2.05	4.32	40			6.37	3.60	5490
5	4A4									0
6	4AO									0
7	4A4	3850.0	2.31	4.49	40			6.80	3.60	845460
8	4AD	250.0	2.56	4.64	40			7.20	3.60	54900
9	4A4									0
10	4CE									0
11	4CB									0
12	4E4									0
13	4AE									0
14	4AO									0
15	4AE									0
16	4D5									0
17	4CO									0
18	4D4									0
19	4D4									0
20	4D0									0
21	4A4									0
22	4DL									0
23	4D0									0
24	4B4									0
25	4AO									0
26	4AE									0
27	4A4									0
28	4BA									0
29	4AB									0
30	4BL									0
31										0
32	4E4									0
33	4AO									0
34	4EB									0
35	4A4									0
36	4LB									0

TOTAL

4125.0

905850

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	250	2.56	4.64	40	0.00	0	7.20	54900
4 %	4125	2.32	4.50	40	0.00	0	6.82	905850
3 %	4125	2.32	4.50	40	0.00	0	6.82	905850
0 %	4125	2.32	4.50	40	0.00	0	6.82	905850

SECTION 62M

AREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4ED	445.0	6.36	13.29	103			19.65	3.68	99894
2	4AD	70.0	0.63	1.24	14			1.87	3.22	13749
3	4EB	540.0	3.39	5.38	86			8.77	4.10	133054
4	4A4	32.5	1.88	3.10	39			4.98	3.15	6245
5	4EL	127.5	1.07	1.09	28			2.16	3.70	28777
6	4EA	325.0	3.24	5.44	64			8.68	4.11	81481
7	4AD	95.0	1.06	2.20	22			3.26	2.83	16400
8	4AK	25.0	2.93	4.25	38			7.18	2.84	4331
9	4B4	42.5	5.30	7.00	83			12.30	3.72	9644
10	4BE/5D	200.0	2.64	4.00	30			6.64	3.82	46604
11	4EA	602.5	2.80	3.16	42			5.96	3.43	126061
12	4AC	257.5	2.46	4.28	42			6.74	3.11	48850
13	4GE	320.0	2.60	2.42	41			5.02	3.80	74176
TOTAL		3082.5								691266

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	1378	4.30	7.82	85	0.00	0	12.12	330403
4 %	2790	3.32	5.66	63	0.00	0	8.98	632340
3 %	2885	3.27	5.57	62	0.00	0	8.84	648740
0 %	3083	3.12	5.30	60	0.00	0	8.42	691266

SECTION 6**

AREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A0	1087.5	1.95	2.72	28			4.67	3.16	209627
2	4DE	515.0	6.05	12.43	104			18.48	3.81	119691
3	4A4	117.5	6.29	7.80	95			14.09	3.29	23581
4	4C8	585.0	1.61	2.23	32			3.84	3.65	130250
5	4AL	137.5	2.93	6.64	51			9.57	3.03	25414
6	5B9	75.0	2.81	6.59	45			9.40	2.95	13496
7	4BE	272.5	5.39	8.73	92			14.12	4.28	71144
8	4AGH	205.0	3.12	3.79	53			6.91	3.87	48394
9	4A1	140.0	0.78	1.45	14			2.23	3.30	28182
10	4E4	40.0	4.60	8.35	85			12.95	4.28	10443
11	4HD	95.0	2.61	2.97	46			5.58	3.60	20862
12	4EC	1067.5	1.57	1.45	25			3.02	3.53	229865
13	4GE	945.0	5.35	6.44	81			11.79	4.20	242109
14	4GE	200.0	5.07	6.87	75			11.94	3.80	46360
15	4GL	37.5	2.99	3.20	42			6.19	3.65	8349
16	4A4	600.0	1.77	3.03	35			4.80	3.35	122610
17	4A4	37.5	2.30	4.60	39			6.90	3.03	6931
18	4A2	20.0	1.76	3.20	26			4.96	3.03	3697
19	4CEB	225.0	2.09	2.29	33			4.38	3.66	50234
20	4D4	27.5	3.22	4.42	56			7.64	3.34	5603
21	4E*	425.0	2.10	1.73	35			3.83	3.94	102145
TOTAL		6855.0								1518987

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	2330	5.31	8.14	85	0.00	0	13.45	557842
4 %	4638	3.84	5.75	62	0.00	0	9.59	1028545
3 %	6715	3.18	4.50	52	0.00	0	7.68	1490805
0 %	6855	3.13	4.45	51	0.00	0	7.58	1518987

SECTION C

AREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4EGL	410.0	10.55	9.52	173			20.07	4.00	100040
2	4A4	52.5	1.33	4.38	21			5.71	3.03	9704
3	4A1	75.0	0.64	1.73	17			2.37	2.37	10843
4	4GED	1067.5	5.73	9.71	94			13.44	3.84	250051
5	4A0	210.0	1.20	1.64	30			2.84	3.05	39071
6	4A4	233.0	4.04	5.73	63			9.77	3.32	47592
7	4AE	162.5	2.70	3.94	38			6.64	3.53	34991
8	4C0	657.5	0.48	1.68	20			2.16	3.40	136366
9	4C0	212.5	3.75	4.79	65			8.54	3.34	43293
10	4EA	210.0	2.52	4.10	46			6.62	3.84	49190
11	4EB	257.5	6.22	10.98	116			17.20	4.00	62830
12	4A1	600.0	1.32	2.83	26			4.15	3.14	114924
13	4EA	237.5	2.58	5.01	44			7.59	3.44	49837
14	4L4	107.5	2.95	7.00	44			9.95	2.76	18099
15	4A1	62.5	1.55	3.13	28			4.68	3.01	11476
16	4A4	427.5	3.62	5.06	58			8.68	3.10	80840
17	4BD	957.5	5.57	6.33	83			11.90	3.82	223117
18	4D	397.5	3.98	5.23	64			9.21	3.34	80987
19	4BE	707.5	4.07	4.97	67			9.04	4.10	176946
20	4A0	275.0	0.98	1.64	27			2.62	2.95	49486
21	4E0	372.5	0.97	1.16	22			2.13	4.10	93162
22	4EB	310.0	2.50	3.83	46			6.33	3.79	71669
23	4CE	805.0	2.69	2.36	34			5.05	3.36	164993
24	4CE	32.5	1.52	1.41	40			2.93	3.60	7137
25	4BE	95.0	4.60	6.08	87			10.68	3.99	23122
TOTAL		8937.5								1949766

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	5113	5.27	7.08	86	0.00	0	12.35	1156755
4 %	7315	4.41	5.95	71	0.00	0	10.36	1613702
3 %	7315	4.41	5.95	71	0.00	0	10.36	1613702
0 %	8938	3.79	5.19	63	0.00	0	8.98	1949766

SECTION 66m

AREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4E4	175.0	8.37	6.78	111			15.15	3.64	38857
2	4BKA	172.5	6.03	6.91	88			12.94	3.22	33882
3	4BD4	430.0	5.27	9.93	85			15.20	3.48	91280
4	4A4	102.5	2.86	5.48	54			8.34	3.29	20571
5	4A4	30.0	5.13	7.81	73			12.94	3.23	5911
6	4A0	1885.0	0.86	1.69	14			2.55	2.93	336906
7	4E4	437.5	5.08	9.18	84			14.26	4.18	111554
8	4E0	390.0	1.80	2.52	33			4.32	3.61	85882
9	4ED	357.5	5.11	10.25	89			15.36	3.88	84613
10	4D4	142.5	3.56	4.98	63			8.54	3.40	29535
11	4A4	377.5	4.87	9.08	83			13.95	3.43	78984
12	4DE	295.0	5.26	12.27	86			17.53	3.98	71620
13	4EC	192.5	2.01	3.56	34			5.57	3.55	41686
14	4D6	127.5	7.55	6.63	96			14.18	3.34	25977
15	4EK	492.5	4.38	3.68	66			8.06	4.15	124676
16	4B4	165.0	5.25	8.96	106			14.21	4.17	41971
17	4EA	47.5	1.74	3.06	36			4.80	3.27	9475
18	4A4	122.5	2.46	5.28	44			7.74	3.12	23314
19	4B4	22.5	5.17	10.26	87			15.43	3.90	5353
20	4BE	555.0	5.79	7.19	82			12.98	4.06	137451
21	4E	725.0	3.03	3.91	53			6.94	3.77	166728
22	4ADC	305.0	2.35	2.89	35			5.24	3.22	59908
23	4C0	1977.5	1.19	1.20	21			2.39	3.42	412546
24	4E4	495.0	6.08	10.10	101			16.18	3.74	112929
25	4EB	125.0	3.69	3.24	50			6.93	3.62	27603
26	4A0	52.5	4.23	8.45	67			12.68	3.30	10568
TOTAL		10200.0								2189801

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	4553	5.28	8.20	84	0.00	0	13.48	1049067
4 %	6338	4.54	6.88	73	0.00	0	11.42	1440349
3 %	6338	4.54	6.88	73	0.00	0	11.42	1440349
0 %	10200	3.34	5.01	54	0.00	0	8.36	2189801

GRUM DEPOSIT

SECTION 70M

AREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4BK	57.5	7.39	8.53	123			15.92	4.06	14240
2	4BD	62.5	6.22	7.14	96			13.36	4.00	15250
3	4A4	482.5	2.41	5.88	44			8.29	3.03	89180
4	4A4	1087.5	2.18	4.30	38			6.48	3.32	220241
4A	4L4	75.0	2.58	4.29	38			6.87	3.03	13862
5	4AE	690.0	1.78	3.29	33			5.07	3.43	144369
6	5B/4L	342.5	0.91	1.74	19			2.65	2.80	58499
7	4L2	57.5	1.37	2.50	26			3.87	3.02	10593
8	4ED	1152.5	6.61	13.15	111			19.76	4.12	289646
9	4A0	45.0	1.48	1.65	27			3.13	3.36	9223
10	4A0	315.0	1.81	2.95	36			4.76	3.33	63986
11	4L4	522.5	1.34	3.13	27			4.47	2.85	90837
12	4A4	165.0	3.87	7.85	64			11.72	3.03	30497
13	4AE	147.5	1.20	2.95	25			4.15	3.16	28432
14	4EB	837.5	4.73	9.42	87			14.15	4.33	221209
15	4A0	382.5	1.61	2.16	35			3.77	3.21	74897
16	4EB	142.5	3.83	5.74	76			9.57	4.14	35987
17	4DE	425.0	6.91	13.13	111			20.04	3.51	90997
18	4D	80.0	4.84	10.69	90			15.53	3.57	17422
19	4E4	237.5	5.30	10.70	96			16.00	4.04	58530
20	4AE	57.5	0.25	0.91	17			1.16	3.03	10628
21	4CA	222.5	1.94	2.92	37			4.86	3.52	47775
22	4EB	710.0	5.63	5.98	88			11.61	4.27	184934
23	4L	437.5	1.36	1.13	25			2.49	3.42	91271
24	4LC	110.0	3.12	2.63	47			5.75	3.52	23619
25	4AC	300.0	2.59	2.55	43			5.14	3.99	73017
26	4A3	115.0	0.80	1.52	13			2.32	2.72	19081
27	4B4	80.0	5.10	7.50	89			12.60	4.05	19764
28	4C0	25.0	1.47	1.89	28			3.36	3.36	5124
29	4A0	50.0	1.29	1.77	25			3.06	3.38	10309
30	4A0	877.5	1.60	3.59	31			5.19	3.01	161118
31	4BE	440.0	5.77	8.19	96			13.96	3.96	106286
32	4DC	100.0	2.68	3.32	45			6.00	3.55	21655
33	4BE	375.0	4.99	5.28	74			10.27	3.89	88984
34	4BED	395.0	4.59	4.31	63			8.90	4.28	103127
35	4EB	217.5	2.72	2.82	45			5.54	3.90	51743
36	4A0	87.5	2.80	1.15	36			3.95	3.17	16920
37	4BE	460.0	5.59	5.90	73			11.49	4.22	118413
38	4CB	167.5	0.89	1.28	22			2.17	3.46	35353
TOTAL		12535.0								2767016

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn 7 %	6103	5.38	8.65	88	0.00	0	14.03	1484466
4 %	10768	4.06	6.62	68	0.00	0	10.68	2425119
3 %	11415	3.94	6.39	66	0.00	0	10.33	2552185
0 %	12535	3.72	6.00	63	0.00	0	9.72	2767016

GRUM

GRUM D. JIT

SECTION 72W

AREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.B.	TONNES
1	4DLA	230.0	4.55	8.06	74			12.61	3.30	46299
2	4AD	417.5	2.07	3.75	37			5.82	3.30	84043
3	4A4	2277.5	2.42	4.78	44			7.20	3.15	437622
4	4LO	280.0	1.46	2.79	22			4.25	2.97	50728
5	4BA	77.5	0.72	1.82	11			2.54	2.95	13946
6	4AD	282.5	3.80	7.42	71			11.22	3.52	60658
7	4A4	775.0	3.30	4.28	47			7.58	3.18	150335
8	4E4	130.0	4.50	8.46	78			12.96	3.10	24583
9	4A4	1125.0	3.35	5.66	50			9.01	3.07	210679
10	4ED	192.5	7.48	14.50	132			21.98	3.95	46383
11	4E4	30.0	9.35	17.70	143			27.05	4.11	7521
12	4LA	205.0	1.14	2.32	21			3.46	2.85	35639
13	4AO	95.0	1.39	1.94	35			3.33	3.49	20225
14	4EB	517.5	4.86	8.28	83			13.14	4.08	128795
15	4A4	187.5	1.61	2.20	25			3.81	3.15	36028
16	4E4	92.5	3.25	6.23	71			9.48	3.94	22231
17	4AL	490.0	1.56	1.36	22			2.92	3.03	90567
18	4EB	262.5	6.69	5.25	97			11.94	4.19	67092
19	4CL/5B9	180.0	2.64	2.31	40			4.95	3.27	35905
20	4CL	80.0	1.60	1.77	24			3.37	3.23	15762
21	4GE	177.5	6.28	7.02	101			13.30	4.23	45800
22	4BE	147.5	5.17	5.31	85			10.48	4.06	36530
23	4EC	50.0	2.73	2.16	53			4.89	3.89	11865
24	4EB	212.5	6.63	8.22	110			14.85	4.11	53276
25	4DE	1147.5	4.41	6.81	77			11.22	4.81	336688
26	4EB	725.0	3.29	6.07	65			9.36	4.03	178227
27	4AO	265.0	0.69	1.06	15			1.73	3.07	49627
28	4A4	77.5	6.36	12.73	102			19.09	3.60	17019
29	4CO	915.0	0.96	2.34	23			3.30	3.28	183073
30	4L4	25.0	1.97	2.94	34			4.91	2.75	4194
31	4EX	155.0	4.42	9.25	80			13.67	3.90	36875
32	4AO	305.0	0.88	1.31	18			2.19	2.95	54885
33	4DK	175.0	3.38	5.98	77			9.36	3.48	37149
34	4EB	557.5	4.68	8.07	80			12.75	3.94	133990
35	4A4	147.5	2.69	4.49	53			7.18	3.03	27262
36	4ADE	72.5	2.19	4.11	39			6.30	3.59	15877
37	4CD	245.0	3.47	4.16	68			7.63	3.75	56044
38	4E1	107.5	1.70	1.90	29			3.60	3.37	22099
39	4EB	107.5	3.60	3.32	43			6.92	3.88	25443
40	4EB	410.0	1.96	1.36	36			3.32	3.62	90536

TOTAL

13952.5

3001497

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn 7 %	9683	3.97	6.42	68	0.00	0	10.38	2161058
4 %	10815	3.80	6.11	65	0.00	0	9.91	2389111
3 %	12815	3.45	5.52	59	0.00	0	8.97	2792473
0 %	13953	3.28	5.23	57	0.00	0	8.51	3001497

SECTION 74M

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AB	992.5	1.19	2.89	25			4.08	2.95	178600
2	4AD	485.0	2.19	5.59	44			7.78	3.26	96447
3	4DEA	357.5	6.45	9.34	101			15.79	3.40	74146
4	4AC	665.0	4.02	6.91	65			10.93	3.10	125752
5	4AD	617.5	3.10	5.32	50			8.42	3.18	119783
6	4AL	195.0	2.16	3.66	37			5.82	2.87	34139
7	4AC	1127.5	2.20	3.91	35			6.11	3.06	210459
8	4AC	570.0	1.31	2.47	21			3.78	2.92	101528
9	4E4	305.0	7.37	14.35	125			21.72	3.94	73304
10	4LC	225.0	2.91	4.67	46			7.58	3.19	43783
11	4A4	420.0	3.16	5.38	49			8.54	3.06	78397
12	4CA	645.0	1.20	1.54	18			2.74	2.83	111346
13	4E	357.5	6.12	10.97	103			17.09	3.83	83323
14	4EB	382.5	6.14	4.64	78			10.78	4.15	96830
15	4EL	55.0	2.96	2.62	41			5.58	3.40	11407
16	4EL	335.0	3.74	3.63	61			7.37	3.65	74588
17	4AO	82.5	1.14	1.75	23			2.89	3.04	15299
18	4LA	195.0	1.87	3.37	31			5.24	2.97	35328
19	4A1	132.5	0.80	2.16	15			2.96	3.03	24490
20	4A4	55.0	6.04	9.50	101			15.54	2.89	9696
21	4A1	52.5	1.34	1.41	22			2.75	2.83	9063
22	4EB	405.0	3.91	6.06	64			9.97	4.17	103020
23	4D	475.0	4.96	10.31	89			15.27	3.38	97936
24	4DA	222.5	2.65	4.03	42			6.68	3.39	46011
25	4A4	545.0	3.29	5.02	49			8.31	2.97	98738
26	4A1	452.5	1.13	1.26	18			2.39	2.76	76183
27	4AL	365.0	1.52	3.25	29			4.77	2.80	62342
28	4A4	1132.5	2.75	5.80	51			8.55	3.14	216919
29	4A4	165.0	3.79	3.91	63			7.70	3.03	30497
30	4B4	192.5	5.10	9.50	88			14.60	4.14	48614
31	4A8	100.0	3.40	5.85	48			9.25	3.50	21350
32	4L4	45.0	3.80	5.00	67			8.80	2.75	7549
33	48C	87.5	4.37	4.90	74			9.27	3.80	20283
34	4EL*	75.0	4.20	4.04	58			8.24	3.84	17568
35	4DB	95.0	2.80	3.15	31			5.95	3.34	19355
36	4EB	785.0	3.28	3.41	48			6.69	3.57	170949
37	4EC	1157.5	1.00	1.58	21			2.58	3.53	249244
38	4BD	345.0	6.30	9.79	118			16.09	4.05	85232
39	4EA	100.0	3.03	3.54	47			6.57	3.44	20984
40	4EB	1827.5	3.88	6.62	72			10.50	4.10	457058
41	4ED	690.0	4.50	7.84	72			12.34	3.90	164151
42	4ED	582.5	3.44	5.51	62			8.95	3.68	130760
43	4AC	317.5	0.86	1.93	21			2.79	2.96	57328
44	4LA	80.0	1.14	2.01	23			3.15	3.07	14982
45	4CO	145.0	0.55	0.89	19			1.44	3.34	29542
46	4DL	322.5	3.28	3.91	52			7.19	3.65	71805
TOTAL		18962.5								3926305

SUMMARY CH:

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	11195	4.12	6.78	70	0.00	0	10.90	2447724
4 %	15328	3.66	5.97	61	0.00	0	9.62	3237299
3 %	15978	3.58	5.84	60	0.00	0	9.42	3333809
0 %	18963	3.20	5.22	54	0.00	0	8.42	3926305

SECTION 76W

BRUM DEPOSIT

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	G.G.	TONNES
1	4A4	1640.0	2.21	4.06	39			6.27	3.01	301120
2	4AE	255.0	4.16	6.88	69			11.04	3.12	48532
3	5A9	107.5	1.07	2.43	24			3.50	2.81	18427
4	4AD	1127.5	3.10	5.83	50			8.93	3.04	209084
5	5A9	112.5	0.71	1.41	18			2.12	2.78	19078
6	4ADL	1112.5	2.42	4.27	39			6.69	2.95	200194
7	4AL	1305.0	1.62	2.64	27			4.26	2.98	237223
7A	4A4	525.0	3.68	7.15	68			10.83	3.10	99278
8	4AB	172.5	3.53	6.78	59			10.31	2.97	31252
9	4L4	82.5	1.17	2.50	26			3.67	2.80	14091
10	4E4	1687.5	6.23	10.93	110			17.16	4.11	423073
11	4AE	117.5	0.52	0.98	22			1.50	3.03	21718
12	5B9/4E4	125.0	2.52	6.24	43			8.76	2.95	22494
13	4EB	37.5	7.17	17.31	108			24.48	4.37	9996
14	4KL	30.0	4.21	8.64	84			12.85	3.48	6368
15	4A4	1085.0	2.55	4.20	43			6.75	2.97	196369
16	4AL	685.0	1.56	1.61	24			3.17	2.83	118252
17	4AD	867.5	4.07	7.19	69			11.26	3.31	175157
18	4AL	207.5	1.19	1.05	17			2.24	2.79	35314
19	4AD	430.0	4.80	7.38	74			12.18	3.23	84723
20	4AD	220.0	2.22	3.28	48			5.50	3.27	43883
21	4AL	95.0	2.25	3.34	41			5.59	2.99	17327
22	4B	250.0	5.66	9.78	93			15.44	4.41	67253
23	4L4	17.5	1.98	2.05	36			4.03	3.38	3608
24	4EB	300.0	6.72	6.47	102			13.19	4.05	74115
25	4E	385.0	1.99	1.50	36			3.49	3.86	90652
26	4E4	185.0	4.59	7.43	95			12.02	4.15	46833
27	4L4	20.0	2.23	3.84	60			6.07	4.85	5917
28	4B4	20.0	6.20	9.60	121			15.80	4.18	5100
29	4EB	27.5	4.65	6.73	73			11.38	4.19	7029
30	4A1	407.5	1.26	2.32	29			3.58	3.04	75567
31	4A1	92.5	0.86	1.57	15			2.43	3.03	17097
32	4AE	490.0	1.21	2.23	20			3.44	3.08	92061
33	4BE	1812.5	3.50	5.85	61			9.35	3.98	440039
34	4EA	205.0	1.82	2.29	34			4.11	3.67	45893
35	4E4	5.0	4.60	6.60	82			11.20	3.94	1202
36	4E+4	125.0	3.95	4.00	49			7.95	3.91	29814
37	4BL	272.5	2.16	2.65	35			4.81	3.13	52028
38	4BE	335.0	3.13	4.03	47			7.16	3.37	68866
39	4BE	250.0	3.85	5.62	60			9.47	3.46	52765

TOTAL

17227.5

3508990

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	8568	4.45	7.47	76	0.00	0	11.92	1902970
4 %	14540	3.61	6.06	62	0.00	0	9.67	3006734
3 %	16698	3.36	5.56	57	0.00	0	8.92	3415783
0 %	17228	3.29	5.45	56	0.00	0	8.74	3508990

GRUM DEPL

SECTION 7bw

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A0	1362.5	1.91	3.52	32			5.43	2.90	241026
2	4D4	255.0	2.73	5.20	43			7.93	3.34	51954
3	4A4	2433.0	2.94	5.76	48			8.70	3.03	450061
4	4AD	520.0	1.22	2.77	25			3.99	2.77	87864
5	4D7	15.0	2.78	5.04	20			7.82	3.34	3056
6	4D0	22.5	1.87	3.21	29			5.08	3.34	4584
7	4DE	310.0	2.71	4.72	51			7.43	3.18	60134
8	4A4	167.5	3.43	4.20	67			7.63	3.31	33820
9	4ED	227.5	5.98	10.58	97			16.56	3.47	48155
10	4CD	265.0	1.80	2.98	35			4.78	3.01	48657
11	4L4	247.5	1.24	2.01	19			3.25	2.89	43632
12	4AD	872.5	3.11	6.08	58			9.19	3.24	172441
13	4A0	287.5	1.37	2.70	33			4.07	3.19	55945
14	4ACD	830.0	1.83	3.39	35			5.22	2.95	149359
15	4L4	312.5	1.15	1.61	21			2.76	2.76	52613
16	4A4	517.5	2.24	4.60	47			6.84	3.04	95965
17	4DAE	375.0	4.37	9.02	81			13.39	3.41	78004
18	4A	87.5	4.09	5.12	70			9.21	3.25	17347
19	4AL	185.0	1.01	2.12	22			3.13	2.81	31711
20	4A4	67.5	2.02	3.00	37			5.02	3.07	12641
21	4AE	182.5	2.51	4.51	43			7.02	3.00	33398
22	4A4	100.0	8.31	16.38	113			24.69	3.52	21472
23	4LA	545.0	1.12	2.10	21			3.22	3.05	101397
24	4AL	190.0	2.10	4.22	35			6.32	2.87	33263
25	4A1	287.5	1.26	2.00	23			3.26	2.85	49982
26	4AE/4EG	1042.5	5.68	11.73	98			17.41	3.81	242287
27	4A4	1047.5	2.78	4.27	43			7.05	3.15	201277
27A	4E4	57.5	3.99	6.96	77			10.95	4.40	15433
28	4A0	65.0	1.86	0.92	30			2.78	2.99	11855
29	4A0	332.5	2.01	2.05	34			4.06	3.29	70743
29A	4AL	250.0	0.94	1.16	13			2.10	2.87	43768
30	4GE	890.0	4.17	6.92	84			11.09	4.18	226932
31	4A0	335.0	1.17	1.78	24			2.95	2.93	59875
32	4AE	102.5	2.16	3.74	39			5.90	3.32	20758
33	4EA4	932.5	3.65	5.19	63			8.84	3.56	202502
34	4A4	377.5	2.67	4.29	46			6.96	3.03	69773
35	4EA	155.0	3.71	5.39	64			9.10	3.91	36969
36	4E4/5B9	425.0	5.22	8.29	98			13.51	3.98	103182
37	4EA	67.5	1.45	2.30	27			3.75	3.40	14000
38	4EA	787.5	1.49	1.90	25			3.39	3.33	159965
39	4E1	30.0	1.20	1.23	27			2.43	3.80	6954
40	4DA	582.5	6.03	10.85	97			16.88	3.35	119034
41	4AED	70.0	2.68	5.60	53			8.28	3.64	15543
42	4C3	150.0	1.21	1.60	19			2.81	3.34	30561
43	4EB	195.0	3.01	3.53	51			6.54	3.62	43060
44	4AB	55.0	2.34	4.76	44			7.10	3.19	10702
45	4AE	182.5	4.15	6.41	68			10.56	3.42	38073
46	4EB	275.0	2.45	2.39	27			4.84	3.94	66094
47	4A0	150.0	1.66	1.59	23			3.25	3.03	27725

GRUM

48	4A	530.0	1.86	3.27	30	-	5.13	3.03	97960
49	4LB	455.0	2.72	4.09	42		6.81	3.30	91592

TOTAL

20230.0

4005094

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	10468	3.92	7.02	68	0.00	0	10.94	2181775
4 %	12995	3.37	5.96	59	0.00	0	9.33	3093642
3 %	12445	3.08	5.41	54	0.00	0	8.49	3609917
0 %	20230	2.94	5.13	51	0.00	0	8.07	4005094

16297.5

BRUM DEPC

SECTION BUm

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A1	1060.0	2.09	3.80	34			5.89	3.03	193920
2	4AE	1325.0	2.79	5.53	52			4.88	3.39	273997
3	4A4	560.0	2.70	4.96	49			7.66	3.03	103505
4	4AB	422.5	0.95	1.76	19			2.71	3.00	77318
5	4A4	762.5	2.89	4.74	47			7.63	3.03	140933
6	4A2	310.0	1.65	4.57	38			6.22	2.86	54083
7	4D4	92.5	2.15	4.24	38			6.39	2.99	16871
8	4C0	122.5	1.00	1.34	19			2.34	2.77	20699
9	4A4	350.0	3.12	5.83	57			8.95	2.89	61702
10	4AC	162.5	1.54	3.90	26			5.44	2.85	28251
11	4AC	250.0	1.27	2.23	22			3.50	2.85	43463
12	4ADCB	585.0	2.43	4.53	40			6.96	3.22	114906
13	4AD	175.0	3.18	5.03	46			8.21	2.95	31491
14	4A0	2252.5	1.78	3.38	33			5.16	2.88	395719
15	4ALC	2482.5	1.27	1.92	22			3.19	2.97	449755
16	4AE	712.5	2.38	4.25	44			6.63	3.08	133865
17	4A4	880.0	3.35	6.16	57			9.51	3.11	166945
18	4A4	487.5	4.18	7.82	69			12.00	3.33	99026
19	4EA	125.0	0.45	0.76	17			1.21	3.79	28899
20	4EB	507.5	5.40	7.86	96			13.26	3.90	120734
21	4AEL	477.5	2.81	4.77	54			7.58	3.41	99325
22	4E	210.0	4.38	3.61	63			7.99	3.46	44323
23	4EB	245.0	7.25	6.33	112			13.58	4.47	66804
24	4E4	242.5	3.00	4.00	46			7.00	3.94	58282
25	4L4	365.0	2.40	2.80	33			5.20	2.80	62342
26	4AD	1102.5	3.75	7.24	68			10.99	3.44	231349
27	4AL	1357.5	1.14	1.65	19			2.79	2.71	224408
28	4AD	175.0	5.87	9.44	116			15.31	3.35	35761
29	4AD	70.0	1.86	3.55	36			5.41	3.10	13237
30	4A4	17.5	2.40	6.20	52			8.60	3.03	3235
31	4A4	22.5	8.80	14.10	138			22.90	3.50	4804
32	4A4	227.5	1.86	3.12	30			4.98	3.03	42049
33	4A4	866.0	1.58	1.85	27			3.43	2.97	156893
34	4E4	250.0	4.63	7.90	82			12.53	4.19	63898
35	4B0	87.5	3.07	5.90	60			8.97	4.36	23272
36	4EB	765.0	2.61	3.65	46			6.26	3.83	178727
37	4EB	867.5	4.25	6.77	73			11.02	3.98	210612
38	4A1	302.5	1.83	3.08	36			4.91	3.18	58679
39	4ED	865.0	5.45	10.12	89			15.57	3.99	210532
40	4L4	190.0	2.45	2.40	33			4.85	3.35	38827
41	4AE	572.5	0.99	1.84	18			2.83	3.08	107561
42	4AE	160.0	4.04	6.45	72			10.49	3.73	36405
43	4EB	330.0	3.17	3.27	42			6.44	3.93	79111
44	4BE	327.5	2.70	2.28	32			4.98	3.99	79710
45	4B4	610.0	5.25	6.21	68			11.46	4.28	159259
46	4EDA	207.5	4.86	8.48	92			13.34	3.54	44808
TOTAL		24538.5								4892288

BRUM

SUMMARY CHAI

CUTOFF	Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %		9263	4.20	6.76	70	0.00	0	10.97	2017002
4 %		13378	3.31	5.41	56	0.00	0	8.47	3783293
3 %		15860	3.02	4.90	51	0.00	0	7.71	4433403
0 %		24539	2.83	4.60	48	0.00	0	7.23	4892288

18340

BRUM DEPC

SECTION 82m

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AD	795.0	2.35	4.91	42			7.26	3.60	174582
2	4CA		0.64	2.28	20			2.92	3.60	0
3	4EO	75.0	1.66	5.42	29			7.08	3.60	16470
4	4E4	95.0	7.64	13.50	134			21.14	3.60	20862
5	4D4	42.5	3.90	5.30	58			9.20	3.60	9333
6	4A4	160.0	2.72	3.92	59			6.64	3.60	35136
7	4AD	117.5	1.00	3.13	20			4.13	3.60	25803
8	4AD	110.0	3.91	8.29	62			12.20	3.60	24156
9	4DA	87.5	4.67	7.14	94			11.81	3.60	19215
10	4AL		1.34	1.58	19			2.92	3.60	0
11	4ABD	142.5	1.56	2.87	27			4.43	3.60	31293
12	4A4	627.5	2.31	4.69	45			7.00	3.60	137799
13	4AC	542.5	1.61	3.05	29			4.66	3.60	119133
14	4A4	1110.0	1.81	3.38	31			5.19	3.60	243756
15	4D4	52.5	3.26	7.11	57			10.37	3.60	11529
16	4AD	327.5	2.19	3.84	38			6.03	3.60	71919
17	4AC	222.5	1.41	2.74	24			4.15	3.60	48861
18	4A4	50.0	2.86	4.86	55			7.72	3.60	10980
19	4EC	242.5	1.67	2.94	31			4.61	3.60	53253
20	4LA	325.0	1.40	2.16	23			3.56	3.60	71370
21	4A4	237.5	3.65	4.76	55			8.41	3.60	52155
22	4D4	177.5	4.50	6.81	70			11.31	3.60	38979
23	4B4	170.0	6.20	6.42	107			12.62	3.60	37332
24	4CO		1.78	1.83	27			3.61	3.60	0
25	4AO	410.0	1.51	2.75	27			4.26	3.60	90036
26	4A4	440.0	4.44	7.51	80			11.95	3.30	88572
27	4A4	547.5	2.88	4.88	48			7.76	3.60	120231
28	4AC		1.18	1.12	19			2.30	3.60	0
29	4A3	20.0	1.48	2.73	32			4.21	3.60	4392
30	4E4	24.2	4.98	8.50	92			13.48	3.60	5314
31	4A4	47.5	5.90	4.77	63			10.67	3.60	10431
32	4B4	1077.5	4.78	8.05	84			12.83	4.15	272769
33	4AE	220.0	1.69	2.95	29			4.64	3.60	48312
34	4E4	62.5	6.96	11.87	120			18.83	3.60	13725
35	4AO	897.5	1.86	2.40	31			4.26	3.60	197091
36	4A4	207.5	4.09	9.83	85			13.92	3.30	41770
37	4A4	560.0	3.74	7.43	71			11.17	3.60	122976
38	4CO	512.5	1.95	3.10	35			5.05	3.30	103166
39	4A4	262.5	4.25	7.45	73			11.70	3.60	57645
40	4AO		0.58	1.54	14			2.12	3.60	0
41	4CD	365.0	2.16	2.65	32			4.81	3.60	80154
42	4CA	387.5	1.68	2.88	27			4.56	3.60	85095
43	4AO	457.5	1.82	2.47	30			4.29	3.60	100467
44	4BE	1580.0	4.50	7.49	77			11.99	3.98	383592
45	4E4	75.0	2.43	3.01	54			5.44	3.60	16470
46	4L4		1.14	1.58	22			2.72	3.60	0
47	4CO	237.5	1.75	2.66	30			4.41	3.60	52155
48	4BAE	355.0	4.13	6.99	72			11.12	3.80	82289
49	4B0	195.0	2.40	4.15	42			6.55	3.60	42822

BRUM

50	4DE	340.0	2.90	4.70	58	7.60	3.60	74664
51	4AEC	105.0	1.95	3.25	44	5.20	3.60	23058
52	4AE	120.0	2.29	3.23	40	5.52	3.60	26352
53	4ECA	582.5	2.03	2.42	30	4.45	3.60	127917
54	4CO		0.77	1.54	15	2.31	3.60	0
55	4E4	10.5	7.33	14.54	112	21.87	3.60	2306
56	4A4	60.0	3.45	6.30	69	9.75	3.60	13176
57	4C		0.92	1.74	19	2.66	3.60	0
58	4D	302.5	2.99	5.38	53	8.37	3.60	66429
59	4D4	375.0	5.03	9.50	73	14.53	3.60	82330

TOTAL

16547.2

3689643

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	8095	3.95	6.86	69	0.00	0	10.81	1991631
4 %	6874	3.00	5.10	52	0.00	0	8.11	3618273
3 %	7128	2.97	5.05	52	0.00	0	8.02	3689643
0 %	16547	2.97	5.05	52	0.00	0	8.02	3689643

SECTION b+W

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A4	45.0	4.79	13.65	83			18.44	3.60	9882
2	4A4	310.0	2.29	5.17	38			7.46	3.60	68076
3	4A4	307.5	3.34	5.30	55			8.64	3.60	67527
4	4D4	302.5	4.33	6.37	72			10.70	3.60	66429
5	4A4	37.5	2.98	7.66	59			10.64	3.60	8235
6	4D4	35.0	7.20	12.10	133			19.30	3.60	7686
7	4A4	70.0	4.78	7.27	108			12.05	3.60	15372
8	4A0	77.5	1.95	4.37	38			6.32	3.60	17019
9	4EA	57.5	2.23	6.51	47			8.74	3.60	12627
10	4AD	2550.0	2.44	4.62	40			7.06	3.60	539980
11	4A0	815.0	1.81	3.54	34			5.35	3.60	178974
12	4A4	1625.0	1.50	2.77	25			4.27	3.60	356850
13	4AC	702.5	1.79	2.72	28			4.51	3.60	154269
14	4AD	477.5	3.56	5.73	62			9.29	3.60	104859
15	4DA	425.0	3.23	5.11	53			8.34	3.30	85553
16	4AK	250.0	4.37	7.60	78			11.97	3.50	53375
17	4AK	342.5	3.15	4.88	55			8.03	3.30	68945
18	4A4	345.0	2.61	4.32	41			6.93	3.60	75762
19	4A4	231.5	2.86	5.21	54			8.07	3.60	50837
20	4ED	75.0	5.43	6.07	84			11.50	3.60	16470
21	4B0	112.5	4.45	1.39	77			5.84	3.60	24705
22	4E4	135.0	4.56	6.70	76			11.26	4.00	32940
23	4A4	375.0	3.28	6.24	62			9.52	3.10	70913
24	4AGE	352.5	5.45	9.76	96			15.21	3.60	77409
25	4E4/5A9	72.5	8.27	13.13	123			21.40	3.60	15921
26	4AE	407.5	4.77	7.39	80			12.16	3.60	89487
27	4BE	225.0	2.66	3.49	41			6.15	3.60	49410
28	4BE	295.0	3.34	5.25	41			8.59	3.60	64782
29	4EB	987.5	3.29	5.48	61			8.77	3.50	210831
30	4A4	60.0	3.43	6.24	63			9.67	3.10	11346
31	4A0	70.0	1.89	2.77	35			4.66	3.60	15372
32	4EB	220.0	3.32	4.67	55			7.99	3.60	48312
33	4E4	17.5	5.20	11.00	77			16.20	3.60	3843
34	4EB	315.0	2.47	2.73	35			5.20	3.60	69174

TOTAL

12726.5

2763172

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn 7 %	8439	3.34	5.75	57	0.00	0	9.09	1821637
4 %	12727	2.86	4.83	48	0.00	0	7.69	2763172
3 %	12727	2.86	4.83	48	0.00	0	7.69	2763172
0 %	12727	2.86	4.83	48	0.00	0	7.69	2763172

SECTION 86M

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4CD		1.71	1.71	23			3.42	3.60	0
2	4AO		1.24	2.60	26			3.84	3.60	0
3	4A4	965.0	2.26	6.82	49			9.08	3.60	211914
4	4AE	85.0	2.05	4.32	40			6.37	3.60	18666
5	4A4	1805.0	1.68	3.85	33			5.53	3.60	396378
6	4AO		1.01	2.57	20			3.58	3.60	0
7	4A4	3870.0	2.31	4.49	40			6.80	3.60	849852
8	4AD	850.0	2.56	4.64	40			7.20	3.60	186660
9	4A4	1357.5	1.77	3.47	36			5.24	3.60	298107
10	4CE		1.56	1.47	24			3.03	3.60	0
11	4CB	177.5	2.74	2.94	60			5.68	3.60	38979
12	4E4	102.5	6.40	18.60	117			25.00	3.60	22509
13	4AE	362.5	3.03	6.94	78			9.97	3.60	79605
14	4AO		1.36	1.98	24			3.34	3.60	0
15	4AE	357.5	3.35	6.32	66			9.67	3.60	78507
16	4D5	57.5	2.11	4.04	33			6.15	3.60	12627
17	4CO	47.5	1.87	3.36	27			5.23	3.60	10431
18	4D4	857.5	4.37	7.57	72			11.94	3.60	188307
19	4D4	770.0	2.40	3.60	30			6.00	3.60	169092
20	4DO	435.0	2.41	3.68	38			6.09	3.60	93326
21	4A4	272.5	2.17	2.93	33			5.10	3.60	59841
22	4DL	380.0	2.20	3.92	38			6.12	3.60	83448
23	4DO	797.5	4.10	5.26	65			9.36	3.60	173131
24	4B4	550.0	6.61	12.68	102			19.29	3.60	120780
25	4AO		1.09	1.26	24			2.33	3.60	0
26	4AE	45.0	2.82	4.94	45			7.76	3.60	
27	4A4	37.5	3.02	5.05	40			8.07	3.60	8233
28	4GA	230.0	6.00	10.11	98			16.11	3.60	50508
29	4AB	200.0	2.21	3.33	31			5.54	3.60	43920
30	4BL	447.5	4.03	5.36	58			9.39	3.60	98271
31		242.5						0.00	3.60	53253
32	4E4	137.5	6.00	8.40	94			14.40	3.60	30195
33	4AO		1.40	2.46	26			3.86	3.60	0
34	4EB	1050.0	4.39	5.76	66			10.15	3.60	230580
35	4A4	97.5	2.60	2.97	39			5.57	3.60	21411
36	4LB		1.55	0.64	11			2.19	3.60	0
TOTAL		16587.5								3632733

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	6790	3.96	6.97	66	0.00	0	10.92	1481202
4 %	16345	2.88	5.21	49	0.00	0	8.09	3579480
3 %	16345	2.88	5.21	49	0.00	0	8.09	3579480
0 %	16588	2.84	5.13	48	0.00	0	7.97	3632733

AREA OF
INFLUENCE = 61 METRES

GRUM DEPOSIT
ALTERNATE PIT

7 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	801	4.96	9.56	95	0.00	0	14.52	188929
64W	1965	5.35	8.36	86	0.00	0	13.71	466218
66W	4628	5.40	7.26	87	0.00	0	12.66	1057710
68W	3934	5.22	8.01	82	0.00	0	13.23	910844
70W	5248	5.43	9.26	91	0.00	0	14.69	1262926
72W	8476	3.94	6.33	67	0.00	0	10.27	1883323
74W	10373	4.14	6.87	70	0.00	0	11.00	2260556
76W	7378	4.51	7.68	78	0.00	0	12.20	1630534
78W	9595	3.91	7.08	68	0.00	0	10.99	1993572
80W	8038	4.04	6.65	69	0.00	0	10.70	1717583
82W	5872	3.80	6.69	67	0.00	0	10.49	1313836
84W	2841	2.59	4.71	42	0.00	0	7.30	621047
86W	281	2.56	4.64	40	0.00	0	7.20	61598
TOTAL/WTED AVG		4.32	7.15	73	0.00	0	11.47	15368677

4 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	801	4.96	9.56	95	0.00	0	14.52	188929
64W	3591	3.99	6.13	64	0.00	0	10.13	789006
66W	5843	4.73	6.52	77	0.00	0	11.25	1307151
68W	5522	4.46	6.72	71	0.00	0	11.18	1257851
70W	9552	4.01	6.91	69	0.00	0	10.92	2123853
72W	9404	3.77	6.05	64	0.00	0	9.82	2065863
74W	13575	3.67	6.16	62	0.00	0	9.83	2849334
76W	12983	3.60	6.13	62	0.00	0	9.73	2664943
78W	12988	3.36	6.07	59	0.00	0	9.43	2783645
80W	13405	3.19	5.44	56	0.00	0	8.34	3228429
82W	6786	2.80	4.82	49	0.00	0	7.62	2637539
84W	6294	2.12	3.81	35	0.00	0	5.93	1379326
86W	3570	2.33	4.50	40	0.00	0	6.83	783972
TOTAL/WTED AVG		3.49	5.84	60	0.00	0	9.30	24059842

3 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	801	4.96	9.56	95	0.00	0	14.52	188929
64W	3932	3.79	5.77	61	0.00	0	9.56	864147
66W	5843	4.73	6.52	77	0.00	0	11.25	1307151
68W	5522	4.46	6.72	71	0.00	0	11.18	1257851
70W	10112	3.89	6.67	67	0.00	0	10.56	2233999
72W	10429	3.55	5.71	61	0.00	0	9.26	2265054
74W	14205	3.58	6.02	61	0.00	0	9.60	2962099
76W	15141	3.32	5.57	57	0.00	0	8.89	3073992
78W	12603	3.11	5.61	55	0.00	0	8.72	3160553
80W	15800	2.88	4.85	50	0.00	0	7.49	3878539
82W	7063	2.76	4.75	48	0.00	0	7.51	2708909
84W	6294	2.12	3.81	35	0.00	0	5.93	1379326
86W	3570	2.33	4.50	40	0.00	0	6.83	783972
TOTAL/WTED AVG		3.33	5.55	57	0.00	0	8.85	26064522

0 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62M	871	4.67	9.00	89	0.00	0	13.66	202679
64M	3932	3.79	5.77	61	0.00	0	9.56	864147
66M	6963	4.16	5.82	69	0.00	0	9.98	1526169
68M	7901	3.55	5.39	57	0.00	0	8.93	1697815
70M	11036	3.69	6.29	64	0.00	0	9.98	2408666
72M	11462	3.36	5.37	57	0.00	0	8.73	2455363
74M	15808	3.36	5.64	57	0.00	0	9.00	3241453
76M	15648	3.25	5.45	56	0.00	0	8.70	3162948
78M	16927	3.01	5.40	53	0.00	0	8.41	3328663
80M	21449	2.74	4.59	48	0.00	0	7.10	4207463
82M	12268	2.76	4.75	48	0.00	0	7.51	2708909
84M	6294	2.12	3.81	35	0.00	0	5.93	1379326
86M	3570	2.33	4.50	40	0.00	0	6.83	783972
TOTAL/MTED AVG		3.17	5.28	54	0.00	0	8.42	27967573

SECTION 62M

GRUM DEPOSIT
ALTERNATE PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4ED	445.0	6.36	13.29	103			19.65	3.68	99894
2	4AD	70.0	0.63	1.24	14			1.87	3.22	13749
3	4EB	356.0	3.39	5.38	86			8.77	4.10	89036
4	4A4									0
5	4EL									0
6	4EA									0
7	4AD									0
8	4AK									0
9	4B4									0
10	4BE/5D									0
11	4EA									0
12	4AC									0
13	4GE									0
TOTAL		871.0								202679

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	801	4.96	9.56	95	0.00	0	14.52	188929
4 %	801	4.96	9.56	95	0.00	0	14.52	188929
3 %	801	4.96	9.56	95	0.00	0	14.52	188929
0 %	871	4.67	9.00	89	0.00	0	13.66	202679

SECTION 64W

GRUM . JSIT
ALTERNATE PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AD	1087.5	1.95	2.72	28			4.67	3.16	209627
2	4DE	515.0	6.05	12.43	104			18.48	3.81	119691
3	4A4	117.5	6.29	7.80	95			14.09	3.29	23581
4	4CB	234.0	1.61	2.23	32			3.84	3.65	52100
5	4AL	137.5	2.93	6.64	51			9.57	3.03	25414
6	5B9	75.0	2.81	6.59	45			9.40	2.95	13496
7	4GE	204.0	5.39	8.73	92			14.12	4.28	53260
8	4AGH	103.0	3.12	3.79	53			6.91	3.87	24315
9	4A1									0
10	4E4									0
11	4HD									0
12	4EC	107.0	1.57	1.45	25			3.02	3.53	23040
13	4GE	756.0	5.35	6.44	81			11.79	4.20	193687
14	4BE	160.0	5.07	6.87	75			11.94	3.80	37088
15	4GL	37.5	2.99	3.20	42			6.19	3.65	8349
16	4A4	360.0	1.77	3.03	35			4.80	3.35	73566
17	4A4	37.5	2.30	4.60	39			6.90	3.03	6931
18	4A2									0
19	4CEB									0
20	4D4									0
21	4E*									0

TOTAL

3931.5

864147

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	1965	5.35	8.36	86	0.00	0	13.71	466218
4 %	3591	3.99	6.13	64	0.00	0	10.13	789006
3 %	3932	3.79	5.77	61	0.00	0	9.56	864147
0 %	3932	3.79	5.77	61	0.00	0	9.56	864147

ALT PIT

SECTION 66W

GRUM L OSIT
ALTERNATE PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4EBL	410.0	10.55	9.52	173			20.07	4.00	100040
2	4A4	52.5	1.33	4.38	21			5.71	3.03	9704
3	4A1	75.0	0.64	1.73	17			2.37	2.37	10843
4	4GED	1067.5	5.73	9.71	94			15.44	3.84	250051
5	4A0	210.0	1.20	1.64	30			2.84	3.05	39071
6	4A4	235.0	4.04	5.73	63			9.77	3.32	47592
7	4AE	162.5	2.70	3.94	38			6.64	3.53	34991
8	4CD	592.0	0.48	1.68	20			2.16	3.40	122781
9	4CD	64.0	3.75	4.79	65			8.54	3.34	13039
10	4EA	105.0	2.52	4.10	46			6.62	3.84	24595
11	4EB	257.5	6.22	10.98	116			17.20	4.00	62830
12	4A1	600.0	1.32	2.83	26			4.15	3.14	114924
13	4EA	237.5	2.58	5.01	44			7.59	3.44	49837
14	4L4	107.5	2.95	7.00	44			9.95	2.76	18099
15	4A1	62.5	1.55	3.13	28			4.68	3.01	11476
16	4A4	186.0	3.62	5.06	58			8.68	3.10	35173
17	4GD	957.5	5.57	6.33	83			11.90	3.82	223117
18	4D	397.5	3.98	5.23	64			9.21	3.34	80987
19	4BE	707.5	4.07	4.97	67			9.04	4.10	176946
20	4A0	206.0	0.98	1.64	27			2.62	2.95	37070
21	4ED	37.0	0.97	1.16	22			2.13	4.10	9254
22	4EB	232.5	2.50	3.83	46			6.33	3.79	53752
23	4CE									0
24	4CE									0
25	4GE									0
TOTAL		6962.5								1526169

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	4628	5.40	7.26	87	0.00	0	12.66	1057710
4 %	5843	4.73	6.52	77	0.00	0	11.25	1307151
3 %	5843	4.73	6.52	77	0.00	0	11.25	1307151
0 %	6963	4.16	5.82	69	0.00	0	9.98	1526169

SECTION 68W

GRUM L. JSIT
ALTERNATE PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4E4	175.0	8.37	6.78	111			15.15	3.64	38857
2	4BKA	172.5	6.03	6.91	88			12.94	3.22	33882
3	4B04	430.0	5.27	9.93	85			15.20	3.48	91280
4	4A4	102.5	2.86	5.48	54			8.34	3.29	20571
5	4A4	30.0	5.13	7.81	73			12.94	3.23	5911
6	4A0	1885.0	0.86	1.69	14			2.55	2.93	336906
7	4E4	437.5	5.08	9.18	84			14.26	4.18	111554
8	4E0	390.0	1.80	2.52	33			4.32	3.61	85882
9	4ED	357.5	5.11	10.25	89			15.36	3.88	84613
10	4D4	71.5	3.56	4.98	63			8.54	3.40	14829
11	4A4	377.5	4.87	9.08	83			13.95	3.43	78984
12	4DE	295.0	5.26	12.27	86			17.53	3.98	71620
13	4EC	192.5	2.01	3.56	34			5.57	3.55	41686
14	4D6	127.5	7.53	6.63	96			14.18	3.34	25977
15	4EK	492.5	4.38	3.68	66			8.06	4.15	124676
16	4B4	165.0	5.25	8.96	106			14.21	4.17	41971
17	4EA	47.5	1.74	3.06	36			4.80	3.27	9475
18	4A4	122.5	2.46	5.28	44			7.74	3.12	23314
19	4G4	22.5	5.17	10.26	87			15.43	3.90	5353
20	4BE	555.0	5.79	7.19	82			12.98	4.06	137451
21	4E	652.5	3.03	3.91	53			6.94	3.77	150055
22	4ADC	305.0	2.35	2.89	35			5.24	3.22	59908
23	4C0	494.0	1.19	1.20	21			2.39	3.42	103058
24	4E4									0
25	4EB									0
26	4A0									0

TOTAL

7900.5

1697815

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	3934	5.22	8.01	82	0.00	0	13.23	910844
4 %	5522	4.46	6.72	71	0.00	0	11.18	1257851
3 %	5522	4.46	6.72	71	0.00	0	11.18	1257851
0 %	7901	3.55	5.39	57	0.00	0	8.93	1697815

SECTION 70M

GRUM . ISIT
ALTERNATE PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4BK	57.5	7.39	8.53	123			15.92	4.06	14240
2	4BD	62.5	6.22	7.14	96			13.36	4.00	15250
3	4A4	482.5	2.41	5.88	44			8.29	3.03	89180
4	4A4	1087.5	2.18	4.30	38			6.48	3.32	220241
4A	4L4	75.0	2.58	4.29	38			6.87	3.03	13862
5	4AE	690.0	1.78	3.29	35			5.07	3.43	144369
6	5B/4L	342.5	0.91	1.74	19			2.65	2.80	58499
7	4L2	57.5	1.37	2.50	26			3.87	3.02	10593
8	4ED	1152.5	6.61	13.15	111			19.76	4.12	289646
9	4AO	45.0	1.48	1.65	27			3.13	3.36	9223
10	4AO	315.0	1.81	2.95	36			4.76	3.33	63986
11	4L4	522.5	1.34	3.13	27			4.47	2.85	90837
12	4A4	165.0	3.87	7.85	64			11.72	3.03	30497
13	4AE	147.5	1.20	2.95	25			4.15	3.16	28432
14	4EB	837.5	4.73	9.42	87			14.15	4.33	221209
15	4AO	382.5	1.61	2.16	35			3.77	3.21	74897
16	4EB	142.5	3.83	5.74	76			9.57	4.14	35987
17	4DE	425.0	6.91	13.13	111			20.04	3.51	90997
18	4D	80.0	4.84	10.69	90			15.53	3.57	17422
19	4E4	237.5	5.30	10.70	96			16.00	4.04	58530
20	4AE	57.5	0.25	0.91	17			1.16	3.03	10628
21	4CA	167.0	1.94	2.92	37			4.86	3.52	35858
22	4EB	710.0	5.63	5.98	88			11.61	4.27	184934
23	4L	437.5	1.36	1.13	25			2.49	3.42	91271
24	4LC	110.0	3.12	2.63	47			5.75	3.52	23619
25	4AC	300.0	2.59	2.55	43			5.14	3.99	73017
26	4A3	86.0	0.80	1.52	13			2.32	2.72	14269
27	4B4	80.0	5.10	7.50	89			12.60	4.05	19764
28	4CO	25.0	1.47	1.89	28			3.36	3.36	5124
29	4AO	50.0	1.29	1.77	25			3.06	3.38	10309
30	4AO	790.0	1.60	3.59	31			5.19	3.01	145052
31	4BE	440.0	5.77	8.19	96			13.96	3.96	106286
32	4DC	100.0	2.68	3.32	45			6.00	3.55	21655
33	4GE	375.0	4.99	5.28	74			10.27	3.89	88984
34	4GED									0
35	4EB									0
36	4AO									0
37	4BE									0
38	4CB									0
TOTAL		11035.5								2408666

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn 7 %	5248	5.43	9.26	91	0.00	0	14.69	1262926
4 %	9552	4.01	6.91	69	0.00	0	10.92	2123853
3 %	10112	3.89	6.67	67	0.00	0	10.56	2233999
0 %	11036	3.69	6.29	64	0.00	0	9.98	2408666

ALT PIT

SECTION ,2W

GRUM JSIT
ALTERNATE PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4DLA	230.0	4.55	8.06	74			12.61	3.30	46299
2	4AD	417.5	2.07	3.75	37			5.82	3.30	84043
3	4A4	2277.5	2.42	4.78	44			7.20	3.15	437622
4	4L0	280.0	1.46	2.79	22			4.25	2.97	50728
5	4BA	77.5	0.72	1.82	11			2.54	2.95	13946
6	4AD	282.5	3.80	7.42	71			11.22	3.52	60658
7	4A4	775.0	3.30	4.28	47			7.58	3.18	150335
8	4E4	130.0	4.50	8.46	78			12.96	3.10	24583
9	4A4	1125.0	3.35	5.66	50			9.01	3.07	210679
10	4ED	192.5	7.48	14.50	132			21.98	3.95	46383
11	4E4	30.0	9.35	17.70	143			27.05	4.11	7521
12	4LA	205.0	1.14	2.32	21			3.46	2.85	35639
13	4A0	95.0	1.39	1.94	35			3.33	3.49	20225
14	4EB	517.5	4.86	8.28	83			13.14	4.08	128795
15	4A4	187.5	1.61	2.20	25			3.81	3.15	36028
16	4E4	92.5	3.25	6.23	71			9.48	3.94	22231
17	4AL	490.0	1.56	1.36	22			2.92	3.03	90567
18	4EB	262.5	6.69	5.25	97			11.94	4.19	67092
19	4CL/5B9	180.0	2.64	2.31	40			4.95	3.27	35905
20	4CL	80.0	1.60	1.77	24			3.37	3.23	15762
21	4BE	177.5	6.28	7.02	101			13.30	4.23	45800
22	4BE	147.5	5.17	5.31	85			10.48	4.06	36530
23	4EC	50.0	2.73	2.16	53			4.89	3.89	11865
24	4EB	212.5	6.63	8.22	110			14.85	4.11	53276
25	4DE	1147.5	4.41	6.81	77			11.22	4.81	336688
26	4EB	725.0	3.29	6.07	65			9.36	4.03	178227
27	4A0	265.0	0.69	1.06	15			1.75	3.07	49627
28	4A4	77.5	6.36	12.73	102			19.09	3.60	17019
29	4C0	457.5	0.96	2.34	23			3.30	3.28	91537
30	4L4									0
31	4EK									0
32	4A0	201.0	0.88	1.31	18			2.19	2.95	36170
33	4DK									0
34	4EB									0
35	4A4	73.5	2.69	4.49	53			7.18	3.03	13585
36	4ADE									0
37	4CD									0
38	4E1									0
39	4EB									0
40	4EB									0
TOTAL		11462.0								2455363

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	8476	3.94	6.33	67	0.00	0	10.27	1883323
4 %	9404	3.77	6.05	64	0.00	0	9.82	2065863
3 %	10429	3.55	5.71	61	0.00	0	9.26	2265054
0 %	11462	3.36	5.37	57	0.00	0	8.73	2455363

ALT PIT

SECTION 74W

GRUN DE .IT
ALTERNATE PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AB	992.5	1.19	2.89	25			4.08	2.95	178600
2	4AD	485.0	2.19	5.59	44			7.78	3.26	96447
3	4DEA	357.5	6.45	9.34	101			15.79	3.40	74146
4	4AC	665.0	4.02	6.91	65			10.93	3.10	125752
5	4AD	617.5	3.10	5.32	50			8.42	3.18	119783
6	4AL	195.0	2.16	3.66	37			5.82	2.87	34139
7	4AC	1127.5	2.20	3.91	35			6.11	3.06	210459
8	4AC	570.0	1.31	2.47	21			3.78	2.92	101528
9	4E4	305.0	7.37	14.35	125			21.72	3.94	73304
10	4LC	225.0	2.91	4.67	46			7.58	3.19	43783
11	4A4	420.0	3.16	5.38	49			8.54	3.06	78397
12	4CA	645.0	1.20	1.54	18			2.74	2.83	111346
13	4E	357.5	6.12	10.97	103			17.09	3.83	83523
14	4EB	382.5	6.14	4.64	78			10.78	4.15	96830
15	4EL	55.0	2.96	2.62	41			5.58	3.40	11407
16	4EL	335.0	3.74	3.63	61			7.37	3.65	74588
17	4A0	82.5	1.14	1.75	23			2.89	3.04	15299
18	4LA	195.0	1.87	3.37	31			5.24	2.97	35328
19	4A1	132.5	0.80	2.16	15			2.96	3.03	24490
20	4A4	55.0	6.04	9.50	101			15.54	2.89	9696
21	4A1	52.5	1.34	1.41	22			2.75	2.83	9063
22	4EB	405.0	3.91	6.06	64			9.97	4.17	103020
23	4D	475.0	4.96	10.31	89			15.27	3.38	97936
24	4DA	222.5	2.65	4.03	42			6.68	3.39	46011
25	4A4	545.0	3.29	5.02	49			8.31	2.97	98738
26	4A1	452.5	1.13	1.26	18			2.39	2.76	76183
27	4AL	365.0	1.52	3.25	29			4.77	2.80	62342
28	4A4	1132.5	2.75	5.80	51			8.55	3.14	216919
29	4A4	165.0	3.79	3.91	63			7.70	3.03	30497
30	4B4									0
31	4AB									0
32	4L4									0
33	4BC									0
34	4EL*									0
35	4DB									0
36	4EB									0
37	4EC									0
38	4BD	345.0	6.30	9.79	118			16.09	4.05	85232
39	4EA	50.0	3.03	3.54	47			6.57	3.44	10492
40	4EB	1827.5	3.88	6.62	72			10.50	4.10	457058
41	4ED	690.0	4.50	7.84	72			12.34	3.90	164151
42	4ED	582.5	3.44	5.51	62			8.95	3.68	130760
43	4AC	238.0	0.86	1.93	21			2.79	2.96	42973
44	4LA	60.0	1.14	2.01	23			3.15	3.07	11236
45	4CO									0
46	4DL									0
TOTAL		15808.0								3241453

ALT PIT

SUMMARY Ch.

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	10373	4.14	6.87	70	0.00	0	11.00	2260556
4 %	13575	3.67	6.16	62	0.00	0	9.83	2849334
3 %	14205	3.58	6.02	61	0.00	0	9.60	2962099
0 %	15808	3.36	5.64	57	0.00	0	9.00	3241453

ALT PIT

SECTION 76W

GRUM DEL .IT
ALTERNATE PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A4	1640.0	2.21	4.06	39			6.27	3.01	301120
2	4AE	255.0	4.16	6.88	69			11.04	3.12	48532
3	5A9	107.5	1.07	2.43	24			3.50	2.81	18427
4	4AD	1127.5	3.10	5.83	50			8.93	3.04	209084
5	5A9	112.5	0.71	1.41	18			2.12	2.78	19078
6	4ADL	1112.5	2.42	4.27	39			6.69	2.95	200194
7	4AL	1305.0	1.62	2.64	27			4.26	2.98	237223
7A	4A4	525.0	3.68	7.15	68			10.83	3.10	99278
8	4AB	172.5	3.53	6.78	59			10.31	2.97	31252
9	4L4	82.5	1.17	2.50	26			3.67	2.80	14091
10	4E4	1687.5	6.23	10.93	110			17.16	4.11	423073
11	4AE	117.5	0.52	0.98	22			1.50	3.03	21718
12	5B9/4E4	125.0	2.52	6.24	43			8.76	2.95	22494
13	4EB	37.5	7.17	17.31	108			24.48	4.37	9996
14	4KL	30.0	4.21	8.64	84			12.85	3.48	6368
15	4A4	1085.0	2.55	4.20	43			6.75	2.97	196569
16	4AL	685.0	1.56	1.61	24			3.17	2.83	118252
17	4AD	867.5	4.07	7.19	69			11.26	3.31	173157
18	4AL	207.5	1.19	1.05	17			2.24	2.79	35314
19	4AD	387.0	4.80	7.38	74			12.18	3.23	76251
20	4AD	220.0	2.22	3.28	48			5.50	3.27	43883
21	4AL									0
22	4B									0
23	4L4	17.5	1.98	2.05	36			4.03	3.38	3608
24	4EB	300.0	6.72	6.47	102			13.19	4.05	74115
25	4E	385.0	1.99	1.50	36			3.49	3.86	90652
26	4E4	485.0	4.59	7.43	95			12.02	4.15	46833
27	4L4	20.0	2.23	3.84	60			6.07	4.85	5917
28	4B4	20.0	6.20	9.60	121			15.80	4.18	5100
29	4EB	27.5	4.65	6.73	73			11.38	4.19	7029
30	4A1	407.5	1.26	2.32	29			3.58	3.04	73367
31	4A1	69.5	0.86	1.57	15			2.43	3.03	12846
32	4AE	490.0	1.21	2.23	20			3.44	3.08	92061
33	4GE	1631.0	3.50	5.85	61			9.33	3.98	395974
34	4EA	205.0	1.82	2.29	34			4.11	3.67	45893
35	4E4									0
36	4E+4									0
37	4GL									0
38	4BE									0
39	4GE									0
TOTAL		15647.5								3162948

SUMMARY CHART

CUTOFF	Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %		7378	4.51	7.68	78	0.00	0	12.20	1630534
4 %		12983	3.60	6.13	62	0.00	0	9.73	2664943
3 %		15141	3.32	5.57	57	0.00	0	8.89	3073992
0 %		15648	3.25	5.45	56	0.00	0	8.70	3162948

ALT PIT

GRUM DEPOSIT
ALTERNATE PIT

SECTION 78W

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A0	1362.5	1.91	3.52	32			5.43	2.90	241026
2	4D4	255.0	2.73	5.20	43			7.93	3.34	51954
3	4A4	2435.0	2.94	5.76	48			8.70	3.03	450061
4	4AD	520.0	1.22	2.77	25			3.99	2.77	87864
5	4D7	15.0	2.78	5.04	20			7.82	3.34	3056
6	4D0	22.5	1.87	3.21	29			5.08	3.34	4584
7	4DE	310.0	2.71	4.72	51			7.43	3.18	60134
8	4A4	167.5	3.43	4.20	67			7.63	3.31	33820
9	4ED	227.5	5.98	10.58	97			16.56	3.47	48155
10	4CD	265.0	1.80	2.98	35			4.78	3.01	48657
11	4L4	247.5	1.24	2.01	19			3.25	2.89	43632
12	4AD	872.5	3.11	6.08	58			9.19	3.24	172441
13	4A0	287.5	1.37	2.70	33			4.07	3.19	55945
14	4ACD	830.0	1.83	3.39	35			5.22	2.95	149359
15	4L4	312.5	1.15	1.61	21			2.76	2.76	52613
16	4A4	517.5	2.24	4.60	47			6.84	3.04	95965
17	4DAE	375.0	4.37	9.02	81			13.39	3.41	78004
18	4A	87.5	4.09	5.12	70			9.21	3.25	17347
19	4AL									0
20	4A4									0
21	4AE	182.5	2.51	4.51	43			7.02	3.00	33398
22	4A4	100.0	8.31	16.38	113			24.69	3.52	21472
23	4LA	545.0	1.12	2.10	21			3.22	3.05	101397
24	4AL	190.0	2.10	4.22	35			6.32	2.87	33263
25	4A1	287.5	1.26	2.00	23			3.26	2.85	49982
26	4AE/4EB	1042.5	5.68	11.73	98			17.41	3.81	242287
27	4A4	1047.5	2.78	4.27	43			7.05	3.15	201277
27A	4E4	57.5	3.99	6.96	77			10.95	4.40	15433
28	4A0	65.0	1.86	0.92	30			2.78	2.99	11855
29	4A0	352.5	2.01	2.05	34			4.06	3.29	70743
29A	4AL	250.0	0.94	1.16	13			2.10	2.87	43768
30	4BE	890.0	4.17	6.92	84			11.09	4.18	226932
31	4A0	335.0	1.17	1.78	24			2.95	2.93	59875
32	4AE	102.5	2.16	3.74	39			5.90	3.32	20758
33	4EA4	615.5	3.65	5.19	63			8.84	3.56	133662
34	4A4	377.5	2.67	4.29	46			6.96	3.03	69773
35	4EA									0
36	4E4/5B9	425.0	5.22	8.29	98			13.51	3.98	103182
37	4EA	67.5	1.45	2.30	27			3.75	3.40	14000
38	4EA	394.0	1.49	1.90	25			3.39	3.33	80033
39	4E1									0
40	4DA	437.0	6.03	10.85	97			16.88	3.35	89301
41	4AED	52.5	2.68	5.60	53			8.28	3.64	11657
42	4C3									0
43	4EB									0
44	4AG									0
45	4AE									0
46	4EB									0
47	4A0									0

ALT PIT

4.
49

4A
4LG

0
0

TOTAL

16926.5

3328663

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	9595	3.91	7.08	68	0.00	0	10.99	1993572
4 %	12988	3.36	6.07	59	0.00	0	9.43	2783645
3 %	12603	3.11	5.61	55	0.00	0	8.72	3160553
0 %	16927	3.01	5.40	53	0.00	0	8.41	3328663

ALT PIT

SECTION JOW

BRUM DE IT
ALTERNATE .ITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A1	1060.0	2.09	3.80	34			5.89	3.03	193920
2	4AE	1325.0	2.79	5.53	52			4.88	3.39	273997
3	4A4	560.0	2.70	4.96	49			7.66	3.03	103305
4	4AB	422.5	0.95	1.76	19			2.71	3.00	77318
5	4A4	762.5	2.89	4.74	47			7.63	3.03	140933
6	4A2	310.0	1.65	4.57	38			6.22	2.86	54083
7	4D4	92.5	2.15	4.24	38			6.39	2.99	16871
8	4C0	122.5	1.00	1.34	19			2.34	2.77	20699
9	4A4	350.0	3.12	5.83	57			8.95	2.89	61702
10	4AC	162.5	1.54	3.90	26			5.44	2.85	28251
11	4AC	250.0	1.27	2.23	22			3.50	2.85	43463
12	4ADCB	585.0	2.43	4.53	40			6.96	3.22	114906
13	4AD	175.0	3.18	5.03	46			8.21	2.95	31491
14	4A0	2252.5	1.78	3.38	33			5.16	2.88	395719
15	4ALC	2482.5	1.27	1.92	22			3.19	2.97	449755
16	4AE	712.5	2.38	4.25	44			6.63	3.08	133865
17	4A4	880.0	3.35	6.16	57			9.51	3.11	166945
18	4A4	487.5	4.18	7.82	69			12.00	3.33	99026
19	4EA	125.0	0.45	0.76	17			1.21	3.79	28899
20	4EB	507.5	5.40	7.86	96			13.26	3.90	120734
21	4AEL	477.5	2.81	4.77	54			7.58	3.41	99325
22	4E	210.0	4.38	3.61	63			7.99	3.46	44323
23	4EB	245.0	7.25	6.33	112			13.58	4.47	66804
24	4E4	242.5	3.00	4.00	46			7.00	3.94	58282
25	4L4	365.0	2.40	2.80	35			5.20	2.80	62342
26	4AD	1102.5	3.75	7.24	68			10.99	3.44	231349
27	4AL	1222.0	1.14	1.65	19			2.79	2.71	202009
28	4AD	175.0	5.87	9.44	116			15.31	3.35	35761
29	4AD	18.0	1.86	3.55	36			5.41	3.10	3404
30	4A4	9.0	2.40	6.20	52			8.60	3.03	1663
31	4A4									0
32	4A4									0
33	4A4	866.0	1.58	1.85	27			3.43	2.97	156893
34	4E4	250.0	4.63	7.90	82			12.53	4.19	63898
35	4B0	87.5	3.07	5.90	60			8.97	4.36	23272
36	4EB	765.0	2.61	3.65	46			6.26	3.83	178727
37	4EB	867.5	4.25	6.77	73			11.02	3.98	210612
38	4A1	272.0	1.83	3.08	36			4.91	3.18	52763
39	4ED	649.0	5.45	10.12	89			15.57	3.99	157960
40	4L4									0
41	4AE									0
42	4AE									0
43	4EB									0
44	4BE									0
45	4B4									0
46	4EDA									0
TOTAL		21448.5								4207463

ALT PIT

SUMMARY Ch

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	8038	4.04	6.65	69	0.00	0	10.70	1717583
4 %	13405	3.19	5.44	56	0.00	0	8.34	3228429
3 %	15800	2.88	4.85	50	0.00	0	7.49	3878539
0 %	21449	2.74	4.59	48	0.00	0	7.10	4207463

SECTION 82W

GRUM DE. .IT
ALTERNATE PITAREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4AD	795.0	2.35	4.91	42			7.26	3.60	174582
2	4CA		0.64	2.28	20			2.92	3.60	0
3	4E0	75.0	1.66	5.42	29			7.08	3.60	16470
4	4E4	95.0	7.64	13.50	134			21.14	3.60	20862
5	4D4	42.5	3.90	5.30	58			9.20	3.60	9333
6	4A4	160.0	2.72	3.92	59			6.64	3.60	35136
7	4AD	53.0	1.00	3.13	20			4.13	3.60	11639
8	4AD	110.0	3.91	8.29	62			12.20	3.60	24156
9	4DA	87.5	4.67	7.14	94			11.81	3.60	19215
10	4AL		1.34	1.58	19			2.92	3.60	0
11	4AGD	142.5	1.56	2.87	27			4.43	3.60	31293
12	4A4	627.5	2.31	4.69	45			7.00	3.60	137799
13	4AC	542.5	1.61	3.05	29			4.66	3.60	119133
14	4A4	1110.0	1.81	3.38	31			5.19	3.60	243756
15	4D4	52.5	3.26	7.11	57			10.37	3.60	11529
16	4AD	327.5	2.19	3.84	38			6.03	3.60	71919
17	4AC	222.5	1.41	2.74	24			4.15	3.60	48861
18	4A4	50.0	2.86	4.86	55			7.72	3.60	10980
19	4EC	242.5	1.67	2.94	31			4.61	3.60	53253
20	4LA	325.0	1.40	2.16	23			3.56	3.60	71370
21	4A4	237.5	3.65	4.76	55			8.41	3.60	52155
22	4D4	177.5	4.50	6.81	70			11.31	3.60	38979
23	4B4	170.0	6.20	6.42	107			12.62	3.60	37332
24	4C0		1.78	1.83	27			3.61	3.60	0
25	4A0	410.0	1.51	2.75	27			4.26	3.60	90036
26	4A4	440.0	4.44	7.51	80			11.95	3.30	88572
27	4A4	547.5	2.88	4.88	48			7.76	3.60	120231
28	4AC		1.18	1.12	19			2.30	3.60	0
29	4A3	20.0	1.48	2.73	32			4.21	3.60	4392
30	4E4	24.2	4.98	8.50	92			13.48	3.60	5314
31	4A4	24.0	5.90	4.77	63			10.67	3.60	5270
32	4B4	1077.5	4.78	8.05	84			12.83	4.15	272769
33	4AE	220.0	1.69	2.95	29			4.64	3.60	48312
34	4E4	62.5	6.96	11.87	120			18.83	3.60	13725
35	4A0	897.5	1.86	2.40	31			4.26	3.60	197091
36	4A4	207.5	4.09	9.83	85			13.92	3.30	41770
37	4A4	560.0	3.74	7.43	71			11.17	3.60	122976
38	4C0	512.5	1.95	3.10	35			5.05	3.30	103166
39	4A4	262.5	4.25	7.45	73			11.70	3.60	57645
40	4A0		0.58	1.54	14			2.12	3.60	0
41	4CD	365.0	2.16	2.65	32			4.81	3.60	80154
42	4CA	387.5	1.68	2.88	27			4.56	3.60	85095
43	4A0	457.5	1.82	2.47	30			4.29	3.60	100467
44	4GE									0
45	4E4									0
46	4L4									0
47	4C0									0
48	4BAE									0
49	4B0									0

ALT PIT

50	4DE								0
51	4AEC								0
52	4AE								0
53	4ECA								0
54	4CO								0
55	4E4	10.5	7.33	14.54	112		21.87	3.60	2306
56	4A4	60.0	3.45	6.30	69		9.75	3.60	13176
57	4C		0.92	1.74	19		2.66	3.60	0
58	4D	76.0	2.99	5.38	53		8.37	3.60	16690
59	4D4								0
TOTAL		12267.7							2708909

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	5872	3.80	6.69	67	0.00	0	10.49	1313836
4 %	6786	2.80	4.82	49	0.00	0	7.62	2637539
3 %	7063	2.76	4.75	48	0.00	0	7.51	2708909
0 %	12268	2.76	4.75	48	0.00	0	7.51	2708909

GRUM DEF...IT
ALTERNATE PIT

SECTION B4W

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.G.	TONNES
1	4A4									0
2	4A4									0
3	4A4	31.0	3.34	5.30	53			8.64	3.60	6808
4	4D4	30.0	4.33	6.37	72			10.70	3.60	6588
5	4A4									0
6	4D4									0
7	4A4									0
8	4A0									0
9	4EA									0
10	4AD	2550.0	2.44	4.62	40			7.06	3.60	559980
11	4A0	815.0	1.81	3.54	34			5.35	3.60	178974
12	4A4	1625.0	1.50	2.77	25			4.27	3.60	356850
13	4AC	702.5	1.79	2.72	28			4.51	3.60	154269
14	4AD									0
15	4DA	155.0	3.23	5.11	53			8.34	3.30	31202
16	4AK									0
17	4AK									0
18	4A4	310.5	2.61	4.32	41			6.93	3.60	68186
19	4A4									0
20	4ED	75.0	5.43	6.07	84			11.50	3.60	16470
21	4B0									0
22	4E4									0
23	4A4									0
24	4AGE									0
25	4E4/5A9									0
26	4AE									0
27	4BE									0
28	4BE									0
29	4EB									0
30	4A4									0
31	4A0									0
32	4EB									0
33	4E4									0
34	4EB									0

TOTAL

6294.0

1379326

SUMMARY CHART

CUTOFF	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
Pb + Zn								
7 %	2841	2.59	4.71	42	0.00	0	7.30	621047
4 %	6294	2.12	3.81	35	0.00	0	5.93	1379326
3 %	6294	2.12	3.81	35	0.00	0	5.93	1379326
0 %	6294	2.12	3.81	35	0.00	0	5.93	1379326

ALT PIT

GRUM DE .T
ALTERNATE PIT

SECTION 66W

AREA OF
INFLUENCE=

61 metres

BLOCK	FACIES	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	S.B.	TONNES
1	4CD									0
2	4AO									0
3	4A4									0
4	4AE									0
5	4A4									0
6	4AO									0
7	4A4	3289.5	2.31	4.49	40			6.80	3.60	722374
8	4AD	280.5	2.56	4.64	40			7.20	3.60	61598
9	4A4									0
10	4CE									0
11	4CB									0
12	4E4									0
13	4AE									0
14	4AO									0
15	4AE									0
16	4DS									0
17	4CO									0
18	4D4									0
19	4D4									0
20	4D0									0
21	4A4									0
22	4DL									0
23	4D0									0
24	4B4									0
25	4AO									0
26	4AE									0
27	4A4									0
28	4BA									0
29	4AB									0
30	4BL									0
31										0
32	4E4									0
33	4AO									0
34	4EB									0
35	4A4									0
36	4LB									0
TOTAL		3570.0								783972

SUMMARY CHART

CUTOFF Pb + Zn	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
7 %	281	2.56	4.64	40	0.00	0	7.20	61598
4 %	3570	2.33	4.50	40	0.00	0	6.83	783972
3 %	3570	2.33	4.50	40	0.00	0	6.83	783972
0 %	3570	2.33	4.50	40	0.00	0	6.83	783972

ALT PIT

TRUM - DLK F11

ORE VOLUME
CALCULATIONS

AREA OF
INFLUENCE = 61 METRES

SECTION	VOLUME
62W	46513
64W	93483
66W	184068
68W	180682
70W	449418
72W	550220
74W	649498
76W	645838
78W	660935
80W	719068
82W	348219
84W	327753
86W	754875

5610570

OLK PIT

SECTION 62W

AREA OF
INFLUENCE=

61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	25773	94843	19.7
2	0	0	0.0
3	20740	85034	8.8
4	0	0	0.0
5	0	0	0.0
6	0	0	0.0
7	0	0	0.0
8	0	0	0.0
9	0	0	0.0
10	0	0	0.0
11	0	0	0.0
12	0	0	0.0
13	0	0	0.0
=====			
SUM=	46513	179877	14.51

SECTION 64W

OLK PIT

AREA OF
INFLUENCE=

61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	22570	71321	4.67
2	31415	119691	18.48
3	6710	22076	14.09
4	0	0	0.00
5	8388	25414	9.57
6	4575	13496	9.40
7	14335	61354	14.12
8	5490	21246	6.91
9	0	0	0.00
10	0	0	0.00
11	0	0	0.00
12	0	0	0.00
13	0	0	0.00
14	0	0	0.00
15	0	0	0.00
16	0	0	0.00
17	0	0	0.00
18	0	0	0.00
19	0	0	0.00
20	0	0	0.00
21	0	0	0.00

=====

SUM=

93483

334599

12.67

DLK PIT

SECTION 66W

AREA OF
INFLUENCE= 61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	18605	74420	20.07
2	3203	9704	5.71
3	0	0	0.00
4	65118	250051	15.44
5	0	0	0.00
6	14335	47592	9.77
7	8693	30685	6.64
8	0	0	0.00
9	1983	6622	8.54
10	0	0	0.00
11	14488	57950	17.20
12	36600	114924	4.15
13	14488	49837	7.59
14	6558	18099	9.95
15	0	0	0.00
16	0	0	0.00
17	0	0	0.00
18	0	0	0.00
19	0	0	0.00
20	0	0	0.00
21	0	0	0.00
22	0	0	0.00
23	0	0	0.00
24	0	0	0.00
25	0	0	0.00
=====			
SUM=	184068	659883	12.38

DLK PIT

OLK FIT

SECTION 68W

AREA OF
INFLUENCE= 61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	10675	38857	15.15
2	10523	33882	12.94
3	26230	91280	15.20
4	6253	20571	8.34
5	1830	5911	12.94
6	0	0	0.00
7	26688	111554	14.26
8	23790	85882	4.32
9	21808	84613	15.36
10	1678	5704	8.54
11	2776	9520	13.95
12	0	0	0.00
13	0	0	0.00
14	7778	25977	14.18
15	30043	124676	8.06
16	10065	41971	14.21
17	549	1795	4.80
18	0	0	0.00
19	0	0	0.00
20	0	0	0.00
21	0	0	0.00
22	0	0	0.00
23	0	0	0.00
24	0	0	0.00
25	0	0	0.00
26	0	0	0.00

SUM=	180682	682193	11.85
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OLK FIT

OLK PIT

SECTION 70W

AREA OF
INFLUENCE= 61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	3508	14240	15.92
2	3813	15250	13.36
3	29433	89180	8.29
4	66338	220241	6.48
4A	4575	13862	6.87
5	42090	144369	5.07
6	0	0	0.00
7	0	0	0.00
8	70303	289646	19.76
9	0	0	0.00
10	11133	37071	4.76
11	31873	90837	4.47
12	10065	30497	11.72
13	8998	28432	4.15
14	51088	221209	14.15
15	0	0	0.00
16	8693	35987	9.57
17	25925	90997	20.04
18	3050	10889	15.53
19	14488	58530	16.00
20	0	0	0.00
21	0	0	0.00
22	43310	184934	11.61
23	0	0	0.00
24	6710	23619	5.75
25	9150	36509	5.14
26	0	0	0.00
27	4880	19764	12.60
28	0	0	0.00
29	0	0	0.00
30	0	0	0.00
31	0	0	0.00
32	0	0	0.00
33	0	0	0.00
34	0	0	0.00
35	0	0	0.00
36	0	0	0.00
37	0	0	0.00
38	0	0	0.00

=====

SUM=	449418	1656062	11.67
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OLK PIT

OLK PIT

SECTION 72W

AREA OF
INFLUENCE= 61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	14030	46299	12.61
2	25468	84043	5.82
3	138928	437622	7.20
4	17080	50728	4.25
5	0	0	0.00
6	11895	41870	11.22
7	45445	144515	7.58
8	7930	24583	12.96
9	68625	210679	9.01
10	11743	46383	21.98
11	1830	7521	27.05
12	0	0	0.00
13	0	0	0.00
14	31568	128795	13.14
15	0	0	0.00
16	5643	22231	9.48
17	0	0	0.00
18	16013	67092	11.94
19	10980	35905	4.95
20	0	0	0.00
21	10828	45800	13.30
22	8998	36530	10.48
23	3050	11865	4.89
24	12963	53276	14.85
25	55663	267737	11.22
26	44225	178227	9.36
27	0	0	0.00
28	4728	17019	19.09
29	0	0	0.00
30	1220	3355	4.91
31	1373	5353	13.67
32	0	0	0.00
33	0	0	0.00
34	0	0	0.00
35	0	0	0.00
36	0	0	0.00
37	0	0	0.00
38	0	0	0.00
39	0	0	0.00
40	0	0	0.00

=====

SUM=	550220	1967427	9.79
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OLK PIT

SECTION 74W

OLK PIT

AREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	60543	178600	4.08
2	29585	96447	7.78
3	21808	74146	15.79
4	40565	125752	10.93
5	37668	119783	8.42
6	11895	34139	5.82
7	68778	210459	6.11
8	0	0	0
9	18605	73304	21.72
10	13725	43783	7.58
11	25620	78397	8.54
12	0	0	0
13	21808	83323	17.09
14	23333	96830	10.78
15	3355	11407	5.58
16	20435	74588	7.37
17	0	0	0
18	11895	35328	5.24
19	0	0	0
20	3355	9696	15.54
21	0	0	0
22	0	0	0
23	28975	97936	15.27
24	13573	46011	6.68
25	33248	98738	8.31
26	0	0	0
27	22265	62342	4.77
28	67100	210674	8.55
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	6405	25940	16.09
39	0	0	0
40	64965	266357	10.5
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
=====			
SUM=	649493	2154197	9.50

OLK PIT

SECTION 76W

OLK PIT

AREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	100040	301120	6.27
2	15555	48532	11.04
3	0	0	0
4	68778	209084	8.93
5	0	0	0
6	67863	200194	6.69
7	79605	237223	4.26
7A	32025	99278	10.83
8	10523	31252	10.31
9	0	0	0
10	102938	423073	17.16
11	0	0	0
12	7635	22494	8.76
13	2288	9996	24.48
14	1830	6368	12.85
15	66185	196569	6.75
16	0	0	0
17	40718	134775	11.26
18	0	0	0
19	15555	50243	12.18
20	13420	43883	5.5
21	0	0	0
22	0	0	0
23	1068	3608	4.03
24	18300	74115	13.19
25	0	0	0
26	1525	6327	12.02
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0

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SUM=	645839	2098134	9.81
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OLK PIT

SECTION 78W

OLK PIT

AREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	83113	241026	5
2	15535	51954	8
3	148535	450061	9
4	0	0	0
5	919	3056	8
6	1373	4584	5
7	18910	60134	7
8	10218	33820	8
9	13878	48155	17
10	16165	48657	5
11	0	0	0
12	51088	165524	9
13	17538	55945	4
14	42700	125965	5
15	0	0	0
16	31568	95965	7
17	17538	59803	13
18	0	0	0
19	0	0	0
20	0	0	0
21	11133	33398	7
22	6100	21472	25
23	0	0	0
24	11590	33263	6
25	0	0	0
26	63593	242287	17
27	63898	201277	7
27A	3508	15433	11
28	0	0	0
29	9913	32612	4
29A	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	22117	67001	7
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0

OLK PIT

2.1 7 0 0

=====

SUM= 660937 2091391 8.92

SECTION BOW

AREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	64660	195920	5.89
2	80825	273997	4.88
3	34160	103505	7.66
4	0	0	0
5	46513	140933	7.63
6	18910	54083	6.22
7	5645	16871	6.39
8	0	0	0
9	21350	61702	8.95
10	9713	28251	5.44
11	0	0	0
12	35685	114906	6.964
13	10675	31491	8.21
14	137403	395719	5.16
15	0	0	0
16	43463	133565	6.63
17	53680	166945	9.51
18	28670	95471	12
19	0	0	0
20	25163	98134	13.26
21	0	0	0
22	12810	44323	7.99
23	14945	66804	13.58
24	4575	18026	7
25	21533	60292	5.2
26	36753	126429	10.99
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	11743	41568	13.34
=====			
SUM=	719068	2269232	7.57

SECTION: 82W

OLK PIT

AREA OF
INFLUENCE=

01 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	48490	174382	7.26
2	0	0	0
3	3538	12737	7.08
4	5185	18666	21.14
5	2593	9333	9.2
6	9760	35136	6.64
7	0	0	0
8	5185	18666	12.2
9	0	0	0
10	0	0	0
11	8673	31293	4.43
12	15311	55120	7
13	33073	119133	4.66
14	67710	243756	5.19
15	3203	11529	10.37
16	19978	71919	6.03
17	5185	18666	4.15
18	0	0	0
19	0	0	0
20	0	0	0
21	14489	52155	8.41
22	10829	38979	11.31
23	2772	9992	12.62
24	0	0	0
25	25011	90632	4.26
26	19978	75926	11.95
27	0	0	0
28	0	0	0
29	543	1973	4.21
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	1703	6542	13.92
37	8673	31293	11.17
38	19077	65423	5.05
39	2137	7651	11.7
40	0	0	0
41	0	0	0
42	1403	50308	4.56
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0
50	0	0	0

OLK PIT

SECTION 84W

AREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	0	0	0
2	7564	27230	7.46
3	7503	27011	8.64
4	8298	29866	10.7
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	155553	559980	7.06
11	49713	178974	5.35
12	99123	356850	4.27
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0
50	0	0	0
51	0	0	0
52	0	0	0
53	0	0	0
54	0	0	0
55	0	0	0
56	0	0	0
57	0	0	0
58	0	0	0
59	0	0	0
60	0	0	0
61	0	0	0
62	0	0	0
63	0	0	0
64	0	0	0
65	0	0	0
66	0	0	0
67	0	0	0
68	0	0	0
69	0	0	0
70	0	0	0
71	0	0	0
72	0	0	0
73	0	0	0
74	0	0	0
75	0	0	0
76	0	0	0
77	0	0	0
78	0	0	0
79	0	0	0
80	0	0	0
81	0	0	0
82	0	0	0
83	0	0	0
84	0	0	0
85	0	0	0
86	0	0	0
87	0	0	0
88	0	0	0
89	0	0	0
90	0	0	0
91	0	0	0
92	0	0	0
93	0	0	0
94	0	0	0
95	0	0	0
96	0	0	0
97	0	0	0
98	0	0	0
99	0	0	0
100	0	0	0
101	0	0	0
102	0	0	0
103	0	0	0
104	0	0	0
105	0	0	0
106	0	0	0
107	0	0	0
108	0	0	0
109	0	0	0
110	0	0	0
111	0	0	0
112	0	0	0
113	0	0	0
114	0	0	0
115	0	0	0
116	0	0	0
117	0	0	0
118	0	0	0
119	0	0	0
120	0	0	0
121	0	0	0
122	0	0	0
123	0	0	0
124	0	0	0
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126	0	0	0
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130	0	0	0
131	0	0	0
132	0	0	0
133	0	0	0
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139	0	0	0
140	0	0	0
141	0	0	0
142	0	0	0
143	0	0	0
144	0	0	0
145	0	0	0
146	0	0	0
147	0	0	0
148	0	0	0
149	0	0	0
150	0	0	0
151	0	0	0
152	0	0	0
153	0	0	0
154	0	0	0
155	0	0	0
156	0	0	0
157	0	0	0
158	0	0	0
159	0	0	0
160	0	0	0
161	0	0	0
162	0	0	0
163	0	0	0
164	0	0	0
165	0	0	0
166	0	0	0
167	0	0	0
168	0	0	0
169	0	0	0
170	0	0	0
171	0	0	0
172	0	0	0
173	0	0	0
174	0	0	0
175	0	0	0
176	0	0	0
177	0	0	0
178	0	0	0
179	0	0	0
180	0	0	0
181	0	0	0
182	0	0	0
183	0	0	0
184	0	0	0
185	0	0	0
186	0	0	0
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188	0	0	0
189	0	0	0
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204	0	0	0
205	0	0	0
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207	0	0	0
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209	0	0	0
210	0	0	0
211	0	0	0
212	0	0	0
213	0	0	0
214	0	0	0
215	0	0	0
216	0	0	0
217	0	0	0
218	0	0	0
219	0	0	0
220	0	0	0
221	0	0	0
222	0	0	0
223	0	0	0
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225	0	0	0
226	0	0	0
227	0	0	0
228	0	0	0
229	0	0	0
230	0	0	0
231	0	0	0
232	0	0	0
233	0	0	0
234	0	0	0
235	0	0	0
236	0	0	0
237	0	0	0
238	0	0	0
239	0	0	0
240	0	0	0
241	0	0	0
242	0	0	0
243	0	0	0
244	0	0	0
245	0	0	0
246	0	0	0
247	0	0	0
248	0	0	0
249	0	0	0
250	0	0	0
251	0	0	0
252	0	0	0
253	0	0	0
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255	0	0	0
256	0	0	0
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259	0	0	0
260	0	0	0
261	0	0	0
262	0	0	0
263	0	0	0
264	0	0	0
265	0	0	0
266	0	0	0
267	0	0	0
268	0	0	0
269	0	0	0
270	0	0	0
271	0	0	0
272	0	0	0
273	0	0	0
274	0	0	0
275	0	0	0
276	0	0	0
277	0	0	0
278	0	0	0
279	0	0	0
280	0	0	0
281	0	0	0
282	0	0	0
283	0	0	0
284	0	0	0
285	0	0	0
286	0	0	0
287	0	0	0
288	0	0	0
289	0	0	0
290	0	0	0
291	0	0	0
292	0	0	0
293	0	0	0
294	0	0	0
295	0	0	0
296	0	0	0
297	0	0	0
298	0	0	0
299	0	0	0
300	0	0	0
301	0	0	0
302	0	0	0
303	0	0	0
304	0	0	0
305	0	0	0
306	0	0	0
307	0	0	0
308	0	0	0
309	0	0	0
310	0	0	0
311	0	0	0
312	0	0	0
313	0	0	0
314	0	0	0
315	0	0	0
316	0	0	0
317	0	0	0
318	0	0	0
319	0	0	0
320	0	0	0
321	0	0	0
322	0	0	0
323	0	0	0
324	0	0	0
325	0	0	0
326	0	0	0
327	0	0	0
328	0	0	0
329	0	0	0
330	0	0	0
331	0	0	0
332	0	0	0
333	0	0	0
334	0	0	0
335	0	0	0
336	0	0	0
337	0	0	0
338	0	0	0
339	0	0	0
340	0	0	0
341	0	0	0
342	0	0	0
343	0	0	0
344	0	0	0
345	0	0	0
346	0	0	0
347	0	0	0
348	0	0	0
349	0	0	0
350	0	0	0
351	0	0	0
352	0	0	0
353	0	0	0
354	0	0	0
355	0	0	0
356	0	0	0
357	0	0	0
358	0	0	0
359	0	0	0
360	0	0	0
361	0	0	0
362	0	0	0
363	0	0	0
364	0	0	0
365	0	0	0
366	0	0	0
367	0	0	0
368	0	0	0
369	0	0	0
370	0	0	0
371	0	0	0
372	0	0	0
373	0	0	0
374	0	0	0
375	0	0	0
376	0	0	0
377	0	0	0
378	0	0	0
379	0	0	0
380	0	0	0
381	0	0	0
382	0	0	0
383	0	0	0
384	0	0	0
385	0	0	0
386	0	0	0
387	0	0	0
388	0	0	0
389	0	0	0
390	0	0	0
391	0	0	0
392	0	0	0
393	0	0	0
394	0		

OLK PIT

SECTION B6W

AREA OF
TNELEMENT=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	0	0	0
2	0	0	0
3	0	0	0
4	1525	5490	6.37
5	0	0	0
6	0	0	0
7	23485	845460	6.8
8	15230	54900	7.2
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0
50	0	0	0
51	0	0	0
52	0	0	0
53	0	0	0
54	0	0	0
55	0	0	0
56	0	0	0
57	0	0	0
58	0	0	0
59	0	0	0
60	0	0	0
61	0	0	0
62	0	0	0
63	0	0	0
64	0	0	0
65	0	0	0
66	0	0	0
67	0	0	0
68	0	0	0
69	0	0	0
70	0	0	0
71	0	0	0
72	0	0	0
73	0	0	0
74	0	0	0
75	0	0	0
76	0	0	0
77	0	0	0
78	0	0	0
79	0	0	0
80	0	0	0
81	0	0	0
82	0	0	0
83	0	0	0
84	0	0	0
85	0	0	0
86	0	0	0
87	0	0	0
88	0	0	0
89	0	0	0
90	0	0	0
91	0	0	0
92	0	0	0
93	0	0	0
94	0	0	0
95	0	0	0
96	0	0	0
97	0	0	0
98	0	0	0
99	0	0	0
100	0	0	0
SUM=	754870	905550	6.82

GRUM - ALTERNATE PIT

ORE VOLUME
CALCULATIONS

AREA OF
INFLUENCE = 61 METRES

SECTION	VOLUME
62W	53131
64W	239822
66W	424713
68W	481931
70W	673166
72W	699182
74W	964288
76W	954498
78W	1032517
80W	1308359
82W	748330
84W	383934
86W	217770
<hr/>	
TOTAL VOLUME	8181641

SECTION 66W ALTERNATE
PIT

AREA OF
INFLUENCE 61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	25010	100040	20.07
2	3203	9704	5.71
3	4575	10843	2.37
4	65118	250051	15.44
5	12810	39071	2.84
6	14335	47592	9.77
7	9913	34991	6.64
8	36112	122781	2.16
9	3904	13039	8.54
10	6405	24595	6.62
11	15708	62830	17.20
12	36600	114924	4.15
13	14488	49837	7.59
14	6558	18099	9.95
15	3813	11476	4.68
16	11346	35173	8.68
17	58408	223117	11.90
18	24248	80987	9.21
19	43158	176946	9.04
20	12566	37070	2.62
21	2257	9254	2.13
22	14183	53752	6.33
23	0	0	0.00
24	0	0	0.00
25	0	0	0.00
=====			
SUM=	424713	1526169	9.98

SECTION 68W

ALTERNATE
PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	10675	38857	15.15
2	10523	33882	12.94
3	26230	91280	15.20
4	6253	20571	8.34
5	1830	5911	12.94
6	114985	336906	2.55
7	26688	111554	14.26
8	23790	85882	4.32
9	21808	84613	15.36
10	4362	14829	8.54
11	23028	78984	13.95
12	17995	71620	17.53
13	11743	41686	5.57
14	7778	25977	14.18
15	30043	124676	8.06
16	10065	41971	14.21
17	2898	9475	4.80
18	7473	23314	7.74
19	1373	5353	15.43
20	33855	137451	12.98
21	39803	150055	6.94
22	18605	59908	5.24
23	30134	103058	2.39
24	0	0	0.00
25	0	0	0.00
26	0	0	0.00

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SUM=	481931	1697815	8.93
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SECTION 70W

ALTERNATE
PIT

AREA OF
INFLUENCE= 61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	3508	14240	15.92
2	3813	15250	13.36
3	29433	89180	8.29
4	66338	220241	6.48
4A	4575	13862	6.87
5	42090	144369	5.07
6	20893	58499	2.65
7	3508	10593	3.87
8	70303	289646	19.76
9	2745	9223	3.13
10	19215	63986	4.76
11	31873	90837	4.47
12	10065	30497	11.72
13	8998	28432	4.15
14	51088	221209	14.15
15	23333	74897	3.77
16	8693	35987	9.57
17	25925	90997	20.04
18	4880	17422	15.53
19	14488	58530	16.00
20	3508	10628	1.16
21	10187	35858	4.86
22	43310	184934	11.61
23	26688	91271	2.49
24	6710	23619	5.75
25	18300	73017	5.14
26	5246	14269	2.32
27	4880	19764	12.60
28	1525	5124	3.36
29	3050	10309	3.06
30	48190	145052	5.19
31	26840	106286	13.96
32	6100	21655	6.00
33	22875	88984	10.27
34	0	0	0.00
35	0	0	0.00
36	0	0	0.00
37	0	0	0.00
38	0	0	0.00

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SUM=	673166	2408666	9.98
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ALT PIT

SECTION 72W

ALTERNATE
PITAREA OF
INFLUENCE=

61.00 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	14030	46299	12.61
2	25468	84043	5.82
3	138928	437622	7.20
4	17080	50728	4.25
5	4728	13946	2.54
6	17233	60658	11.22
7	47275	150335	7.58
8	7930	24583	12.96
9	68625	210679	9.01
10	11743	46383	21.98
11	1830	7521	27.05
12	12505	35639	3.46
13	5795	20225	3.33
14	31568	128795	13.14
15	11438	36028	3.81
16	5643	22231	9.48
17	29890	90567	2.92
18	16013	67092	11.94
19	10980	35905	4.95
20	4880	15762	3.37
21	10828	45800	13.30
22	8998	36530	10.48
23	3050	11865	4.89
24	12963	53276	14.85
25	69998	336688	11.22
26	44225	178227	9.36
27	16165	49627	1.75
28	4728	17019	19.09
29	27908	91537	3.30
30	0	0	0.00
31	0	0	0.00
32	12261	36170	2.19
33	0	0	0.00
34	0	0	0.00
35	4484	13585	7.18
36	0	0	0.00
37	0	0	0.00
38	0	0	0.00
39	0	0	0.00
40	0	0	0.00

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SUM=	699182	2455363	8.73
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ALT PIT

SECTION 74W

ALTERNATE
PITAREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	60543	178600	4.08
2	29585	96447	7.78
3	21808	74146	15.79
4	40365	125752	10.93
5	37668	119783	8.42
6	11895	34139	5.82
7	65778	210459	6.11
8	34770	101528	3.78
9	18605	73304	21.72
10	13725	43783	7.58
11	25620	78397	8.54
12	39345	111346	2.74
13	21808	83523	17.09
14	23333	96830	10.78
15	3355	11407	5.58
16	20435	74588	7.37
17	5033	15299	2.89
18	11895	35328	5.24
19	5083	24490	2.96
20	3355	9696	15.54
21	3203	9063	2.75
22	24705	103020	9.97
23	28975	97936	15.27
24	13573	46011	6.68
25	33245	98738	8.31
26	27603	76183	2.39
27	22265	62342	4.77
28	69083	218919	8.55
29	10065	30497	7.7
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	21045	83232	16.09
39	3050	10492	6.57
40	111478	457058	10.5
41	42090	164151	12.34
42	38833	130760	8.95
43	14518	42973	2.79
44	3660	11236	3.15
45	0	0	0
46	0	0	0
=====			
SUM=	964288	3241453	9.03

ALT PIT

SECTION 76W

ALTERNATE
PITAREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	100040	301120	6.27
2	15555	48532	11.04
3	6558	18427	3.5
4	68778	209084	8.93
5	6863	19078	2.12
6	67863	200194	6.69
7	79605	237223	4.26
7A	32025	99278	10.83
8	10523	31252	10.31
9	5033	14091	3.67
10	102938	423073	17.16
11	7168	21718	1.5
12	7625	22494	8.76
13	2288	9996	24.48
14	1830	6368	12.85
15	66185	196569	6.75
16	41785	118252	3.17
17	52918	175157	11.26
18	12658	35314	2.24
19	23607	76251	12.18
20	13420	43553	5.5
21	0	0	0
22	0	0	0
23	1068	3608	4.03
24	18300	74115	13.19
25	23485	90652	3.49
26	11285	46833	12.02
27	1220	5917	6.07
28	1220	5100	15.8
29	1678	7029	11.38
30	24558	75367	3.58
31	4240	12846	2.43
32	29890	92061	3.44
33	99491	395974	9.35
34	12505	45893	4.11
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0
=====			
SUM=	954498	3162948	8.70

ALT PIT

SECTION 78W

ALTERNATE
PITAREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	83113	241026	5.43
2	15555	51954	7.93
3	148535	450061	8.70
4	31720	87864	3.99
5	915	3056	7.82
6	1373	4584	5.08
7	18910	60134	7.43
8	10218	33820	7.63
9	13878	48155	16.56
10	16165	48657	4.78
11	15098	43632	3.25
12	53223	172441	9.19
13	17538	55945	4.07
14	50630	149359	5.22
15	19063	52613	2.76
16	31568	90965	6.84
17	22875	78004	13.39
18	5338	17347	9.21
19	0	0	0.00
20	0	0	0.00
21	11133	33398	7.02
22	6100	21472	24.69
23	33245	101397	3.22
24	11590	33263	6.32
25	17538	49982	3.26
26	63593	242287	17.41
27	63898	201277	7.05
27A	3508	15433	10.95
28	3965	11855	2.78
29	21505	70743	4.06
29A	15250	43768	2.10
30	54290	226932	11.09
31	20433	59875	2.95
32	6253	20758	5.90
33	37546	133662	8.84
34	23028	69773	6.96
35	0	0	0.00
36	25925	103182	13.51
37	4118	14000	3.75
38	24034	80033	3.39
39	0	0	0.00
40	26637	87301	16.88
41	3203	11657	8.28
42	0	0	0.00
43	0	0	0.00
44	0	0	0.00
45	0	0	0.00
46	0	0	0.00
47	0	0	0.00

ALT PIT

40	0	0	0.00
45	0	0	0.00

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SUM=	1032517	3328803	8.41
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ALT PIT

TC

SECTION 80W

ALTERNATE
PITAREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	64660	195920	5.89
2	80025	273577	4.88
3	34160	103805	7.66
4	25773	77318	2.71
5	46513	140933	7.63
6	18710	54083	6.22
7	5843	16871	6.39
8	7473	20699	2.34
9	21300	61702	8.95
10	9913	20251	5.44
11	15250	43463	3.5
12	35605	114906	6.964
13	10675	31471	8.21
14	137403	393719	5.16
15	151433	449785	3.19
16	43463	133026	6.63
17	53680	166745	9.51
18	29708	99026	12
19	7628	20079	1.21
20	30958	120734	13.26
21	29128	99325	7.58
22	12810	44323	7.99
23	14945	66304	13.58
24	14793	50202	7
25	22265	62342	5.2
26	67205	211349	10.99
27	74542	202009	2.79
28	10678	38781	15.31
29	1078	3404	5.41
30	549	1683	8.6
31	0	0	0
32	0	0	0
33	52826	158053	3.43
34	15050	60078	12.53
35	5538	28272	8.97
36	46665	178927	6.26
37	52916	210612	11.02
38	16872	50723	4.91
39	39089	157700	10.57
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0

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SUM#	1306307	4217463	7.10
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ALT PIT

SECTION 82W

ALTERNATE
FITAREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	48495	174582	7.26
2	0	0	2.92
3	4575	16470	7.08
4	5795	20862	21.14
5	2593	9333	9.2
6	9760	35136	6.64
7	3233	11639	4.13
8	6710	24136	12.2
9	5338	19215	11.81
10	0	0	2.92
11	8693	31293	4.43
12	38278	137799	7
13	33093	119133	4.66
14	67710	243756	5.19
15	3203	11529	10.37
16	19778	71919	6.03
17	13573	48861	4.15
18	3050	10980	7.72
19	14793	53253	4.61
20	19825	71370	3.56
21	14468	52135	8.41
22	10628	38979	11.31
23	10370	37332	12.62
24	0	0	3.61
25	25010	90036	4.26
26	26840	85372	11.95
27	33398	120211	7.76
28	0	0	2.3
29	1220	4692	4.21
30	1476	5314	13.48
31	1464	5270	10.67
32	65723	271969	12.83
33	13426	48312	4.64
34	3813	13925	18.83
35	54748	197091	4.26
36	12658	41770	13.92
37	34160	122976	11.17
38	31263	103166	5.05
39	14013	57645	11.7
40	0	0	2.12
41	22363	80154	4.81
42	23833	83075	4.56
43	23908	101467	4.29
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0

ALT FIT

51	0	0	0
52	0	0	0
53	0	0	0
54	0	0	0
55	0	0	0
56	641	2508	21.87
57	3660	13176	9.75
58	0	0	2.66
59	4836	18670	8.37
60	0	0	0

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SUM=	748330	2700707	7.51
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SECTION 84W

ALTERNATE
FITAREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	0	0	0
2	0	0	0
3	1871	6808	8.64
4	1830	6308	10.7
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	155330	557700	7.06
11	45715	170774	5.35
12	99125	356050	4.27
13	42033	154109	4.51
14	0	0	0
15	5433	31202	8.34
16	0	0	0
17	0	0	0
18	10741	60106	6.93
19	0	0	0
20	4575	16470	11.5
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
=====			
SUM=	380734	1377325	5.93

SECTION 86W

ALTERNATE
PITAREA OF
INFLUENCE=

61 metres

BLOCK	VOLUME	TONNAGE	Pb+Zn
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	200669	722374	6.8
8	17111	61578	7.2
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0	0	0
34	0	0	0
35	0	0	0
36	0	0	0
37	0	0	0
38	0	0	0
39	0	0	0
40	0	0	0
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	0
48	0	0	0
49	0	0	0
50	0	0	0
51	0	0	0
52	0	0	0
53	0	0	0
54	0	0	0
55	0	0	0
56	0	0	0
57	0	0	0
58	0	0	0
59	0	0	0
60	0	0	0
61	0	0	0
62	0	0	0
63	0	0	0
64	0	0	0
65	0	0	0
66	0	0	0
67	0	0	0
68	0	0	0
69	0	0	0
70	0	0	0
71	0	0	0
72	0	0	0
73	0	0	0
74	0	0	0
75	0	0	0
76	0	0	0
77	0	0	0
78	0	0	0
79	0	0	0
80	0	0	0
81	0	0	0
82	0	0	0
83	0	0	0
84	0	0	0
85	0	0	0
86	0	0	0
87	0	0	0
88	0	0	0
89	0	0	0
90	0	0	0
91	0	0	0
92	0	0	0
93	0	0	0
94	0	0	0
95	0	0	0
96	0	0	0
97	0	0	0
98	0	0	0
99	0	0	0
100	0	0	0
SUM=	217779	783972	6.83

ALT PIT

GRUM DEPOSIT

AREA OF
INFLUENCE = 61 METRES

7 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES	
62W	1378	4.30	7.82	85	0.00	0	12.12	330403	
64W	2330	5.31	8.14	85	0.00	0	13.45	557842	
66W	5113	5.27	7.08	86	0.00	0	12.35	1156755	
68W	4553	5.28	8.20	84	0.00	0	13.48	1049067	
70W	6103	5.38	8.65	88	0.00	0	14.03	1484466	
72W	9683	3.97	6.42	68	0.00	0	10.38	2161058	
11195 8567.5 10467.5 9020 8144.7 8439 6790	74W	11195	4.12	6.78	70	0.00	10.90	2447724	
	76W	8568	4.45	7.47	76	0.00	11.92	1902969	
	78W	10468	3.92	7.02	68	0.00	10.94	2181774	
	80W	9263	4.20	6.76	70	0.00	10.97	1958719	
	82W	8095	3.95	6.86	69	0.00	10.81	1861884	
	84W	8439	3.34	5.75	57	0.00	9.09	1821636	
	86W	6790	3.96	6.97	66	0.00	10.92	1491084	
TOTAL/WTED AVG			4.28	7.04	72	0.00	0	11.31	20583532

4 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES	
62W	2790	3.32	5.66	63	0.00	0	9.17	632340	
64W	4638	3.84	5.75	62	0.00	0	9.59	1028545	
66W	7315	4.41	5.95	71	0.00	0	10.36	1613702	
68W	6338	4.54	6.88	73	0.00	0	11.42	1440349	
70W	10768	4.06	6.62	68	0.00	0	10.68	2425119	
72W	10815	3.80	6.11	65	0.00	0	9.91	2389111	
15327.5 14540 16297.5 18340.0 16222.5 12726.5 16345	74W	15328	3.66	5.97	61	0.00	9.62	3237298	
	76W	14540	3.61	6.06	62	0.00	9.67	3006734	
	78W	12998	3.37	5.96	59	0.00	9.33	3283193	
	80W	13378	3.31	5.41	56	0.00	8.47	3783293	
	82W	6874	3.00	5.10	52	0.00	8.11	3626324	
	84W	12727	2.86	4.83	48	0.00	7.69	2763171	
	86W	16345	2.88	5.21	49	0.00	8.09	3589362	
TOTAL/WTED AVG			3.48	5.72	59	0.00	0	9.17	32611059

3 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES	
62W	2885	3.27	5.57	62	0.00	0	9.02	648740	
64W	6715	3.18	4.50	52	0.00	0	7.68	1490805	
66W	7315	4.41	5.95	71	0.00	0	10.36	1613702	
68W	6338	4.54	6.88	73	0.00	0	11.42	1440349	
70W	11415	3.94	6.39	66	0.00	0	10.33	2552185	
72W	12815	3.45	5.52	59	0.00	0	8.97	2792473	
15977.5 16697.5 19087.5 21938.5 16547.2 12726.5 16345	74W	15978	3.58	5.84	60	0.00	9.42	3353808	
	76W	16698	3.36	5.56	57	0.00	8.92	3415783	
	78W	12445	3.08	5.41	54	0.00	8.49	3799468	
	80W	15860	3.02	4.90	51	0.00	7.71	4433403	
	82W	21938 7128	2.97	5.05	52	0.00	8.02	3697694	
	84W	12727	2.86	4.83	48	0.00	7.69	2763171	
	86W	16345	2.88	5.21	49	0.00	8.09	3589362	
TOTAL/WTED AVG			3.32	5.43	56	0.00	0	8.72	35383461

O % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	3083	3.12	5.30	60	0.00	0	8.59	691266
64W	6855	3.13	4.45	51	0.00	0	7.58	1518987
66W	8938	3.79	5.19	63	0.00	0	8.98	1949766
68W	10200	3.34	5.01	54	0.00	0	8.36	2189801
70W	12535	3.72	6.00	63	0.00	0	9.72	2767016
72W	13953	3.28	5.23	57	0.00	0	8.51	3001497
74W	18963	3.20	5.22	54	0.00	0	8.42	3926305
76W	17228	3.29	5.45	56	0.00	0	8.74	3508990
78W	20230	2.94	5.13	51	0.00	0	8.07	4005094
80W	24539	2.83	4.60	48	0.00	0	7.23	4892288
82W	16547	2.97	5.05	52	0.00	0	8.02	3689643
84W	12727	2.86	4.83	48	0.00	0	7.69	2763172
86W	16588	2.84	5.13	48	0.00	0	7.97	3632733
TOTAL/WTED AVG	182386	3.13	5.11	53	0.00	0	8.22	38536557

SA
 11,125,546
 GRUM + UGRUM 11,166,660

27,327,80

82-86W Tonnes
 10,085,556
 adjusted for 3.2 versus 3.6 SG
 5,964,932
 $\Delta = 1,120,616$ tonnes
 adjusted 3,741,594

GRUM DEPOSIT
DLK PIT

AREA OF
INFLUENCE = 61 METRES

7 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	763	4.96	9.55	95	0.00	0	14.51	179877
64W	1073	5.40	10.14	91	0.00	0	15.53	242031
66W	2223	5.90	8.83	98	0.00	0	14.73	504571
68W	2563	5.26	7.70	84	0.00	0	12.96	594516
70W	4403	5.43	9.69	92	0.00	0	15.13	1061122
72W	8073	3.94	6.33	67	0.00	0	10.27	1781532
74W	7495	4.13	6.91	69	0.00	0	11.04	1575911
76W	5208	4.87	8.37	83	0.00	0	13.24	1115538
78W	6965	3.66	6.98	62	0.00	0	10.64	1386373
80W	4935	3.89	6.20	66	0.00	0	10.09	995329
82W	2367	3.40	6.14	59	0.00	0	9.54	513205
84W	2933	2.56	4.75	42	0.00	0	7.31	644087
86W	250	2.56	4.64	40	0.00	0	7.20	54900
TOTAL/WTED AVG		4.27	7.26	72	0.00	0	11.53	10648992

4 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	763	4.96	9.55	95	0.00	0	14.51	179877
64W	1533	4.52	8.15	75	0.00	0	12.67	334599
66W	3018	4.89	7.49	82	0.00	0	12.38	659883
68W	2962	4.82	7.03	77	0.00	0	11.85	682193
70W	7368	4.18	7.49	72	0.00	0	11.67	1656062
72W	9020	3.76	6.03	64	0.00	0	9.79	1967427
74W	10648	3.52	5.98	59	0.00	0	9.50	2154197
76W	10588	3.61	6.20	62	0.00	0	9.81	2098136
78W	10835	3.09	5.83	53	0.00	0	8.92	2091391
80W	11788	2.94	5.05	51	0.00	0	7.57	2269232
82W	5709	2.46	4.43	43	0.00	0	6.89	1241051
84W	5373	2.13	3.97	36	0.00	0	6.09	1179911
86W	4125	2.32	4.50	40	0.00	0	6.82	905850
TOTAL/WTED AVG		3.40	5.87	58	0.00	0	9.21	17419808

3 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	763	4.96	9.55	95	0.00	0	14.51	179877
64W	1533	4.52	8.15	75	0.00	0	12.67	334599
66W	3018	4.89	7.49	82	0.00	0	12.38	659883
68W	2962	4.82	7.03	77	0.00	0	11.85	682193
70W	7368	4.18	7.49	72	0.00	0	11.67	1656062
72W	9020	3.76	6.03	64	0.00	0	9.79	1967427
74W	10648	3.52	5.98	59	0.00	0	9.50	2154197
76W	10588	3.61	6.20	62	0.00	0	9.81	2098136
78W	10835	3.09	5.83	53	0.00	0	8.92	2091391
80W	11788	2.94	5.05	51	0.00	0	7.57	2269232
82W	5709	2.46	4.43	43	0.00	0	6.89	1241051
84W	5373	2.13	3.97	36	0.00	0	6.09	1179911
86W	4125	2.32	4.50	40	0.00	0	6.82	905850
TOTAL/WTED AVG		3.40	5.87	58	0.00	0	9.21	17419808

0 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	763	4.96	9.55	95	0.00	0	14.51	179877
64W	1533	4.52	8.15	75	0.00	0	12.67	334599
66W	3018	4.89	7.49	82	0.00	0	12.38	659883
68W	2962	4.82	7.03	77	0.00	0	11.85	682193
70W	7368	4.18	7.49	72	0.00	0	11.67	1656062
72W	9020	3.76	6.03	64	0.00	0	9.79	1967427
74W	10648	3.52	5.98	59	0.00	0	9.50	2154197
76W	10588	3.61	6.20	62	0.00	0	9.81	2098136
78W	10835	3.09	5.83	53	0.00	0	8.92	2091391
80W	11788	2.94	5.05	51	0.00	0	7.57	2269232
82W	5709	2.46	4.43	43	0.00	0	6.89	1241051
84W	5373	2.13	3.97	36	0.00	0	6.09	1179911
86W	4125	2.32	4.50	40	0.00	0	6.82	905850
TOTAL/WTED AVG		3.40	5.87	58	0.00	0	9.21	17419808

GRUM - DLK PIT

WASTE VOLUME
CALCULATIONS

AREA OF INFLUENCE = 61 METRES	SECTION	AREA	ROCK VOLUME	ORE TONNAGE	OVERBURD VOLUME
	58W	0	0	0	0
	60W	0	0	0	0
	62W	2774	169214	179877	481412
	64W	8820	538020	334599	903532
	66W	18700	1140700	659883	1000400
	68W	39770	2425970	682193	610000
	70W	48750	2973750	1656062	506300
	72W	53760	3279360	1967427	1024800
	74W	65930	4021730	2154197	760060
	76W	97810	5966410	2098136	864980
	78W	77600	4733600	2091391	4733600
	80W	78000	4758000	2269232	793000
	82W	77700	4739700	1241051	198860
	84W	56304	3434544	1179911	69174
	86W	29196	1780956	905850	97600
	88W	0	0	0	0

39961954 17419809 12043718

TOTAL VOLUME OF PIT	52,005,672	ROCK VOL + O/B VOL
TOTAL VOLUME OF O/B	12,043,718	
TOTAL VOLUME OF ROCK	39,961,954	
TOTAL VOLUME OF ORE	5,610,570	(see VOL CALC - next page)
TOTAL VOLUME OF WASTE	34,351,384	VOL OF ROCK - VOL OF ORE
WASTE/ORE	6.12	
O/B+WASTE : ORE	8.27	

TOTAL TONNAGE OF PIT	133,221,294	TON OF O/B + TON OF ROCK
TOTAL TONNAGE OF O/B	21,678,692	1.8 x VOL OF O/B
TOTAL TONNAGE OF ROCK	111,542,601	(VOL OF WASTE x 2.74) + ORE TON
TOTAL TONNAGE OF WASTE	94,122,792	VOL OF WASTE x 2.74
TOTAL TONNAGE OF ORE	17,419,809	
WASTE:ORE	5.40	
O/B+WASTE : ORE	6.65	

RATIO VOLUME/TONNAGE (M3/TONNE) 2.99

GRUM - OLK PIT

ORE VOLUME
CALCULATIONS

AREA OF
INFLUENCE METRES

SECTION	VOLUME
62W	46513
64W	93483
66W	184068
68W	180682
70W	449418
72W	550220
74W	649498
76W	645838
78W	660935
80W	719068
82W	348219
84W	327753
86W	754875

5610570

GRUM DEPOSIT
ALTERNATE PIT

AREA OF
INFLUENCE = 61 METRES

7 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	801	4.96	9.56	95	0.00	0	14.52	188929
64W	1965	5.35	8.36	86	0.00	0	13.71	466218
66W	4628	5.40	7.26	87	0.00	0	12.66	1057710
68W	3934	5.22	8.01	82	0.00	0	13.23	910844
70W	5248	5.43	9.26	91	0.00	0	14.69	1262926
72W	8476	3.94	6.33	67	0.00	0	10.27	1883323
74W	10373	4.14	6.87	70	0.00	0	11.00	2260556
76W	7378	4.51	7.68	78	0.00	0	12.20	1630534
78W	9595	3.91	7.08	68	0.00	0	10.99	1993572
80W	8038	4.04	6.65	69	0.00	0	10.70	1717583
82W	5872	3.80	6.69	67	0.00	0	10.49	1313836
84W	2841	2.59	4.71	42	0.00	0	7.30	621047
86W	281	2.56	4.64	40	0.00	0	7.20	61598
TOTAL/WTED AVG		4.32	7.15	73	0.00	0	11.47	15368677

4 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	801	4.96	9.56	95	0.00	0	14.52	188929
64W	3591	3.99	6.13	64	0.00	0	10.13	789006
66W	5843	4.73	6.52	77	0.00	0	11.25	1307151
68W	5522	4.46	6.72	71	0.00	0	11.18	1257851
70W	9552	4.01	6.91	69	0.00	0	10.92	2123853
72W	9404	3.77	6.05	64	0.00	0	9.82	2065863
74W	13575	3.67	6.16	62	0.00	0	9.83	2849334
76W	12983	3.60	6.13	62	0.00	0	9.73	2664943
78W	12988	3.36	6.07	59	0.00	0	9.43	2783645
80W	13405	3.19	5.44	56	0.00	0	8.34	3228429
82W	6786	2.80	4.82	49	0.00	0	7.62	2637539
84W	6294	2.12	3.81	35	0.00	0	5.93	1379326
86W	3570	2.33	4.50	40	0.00	0	6.83	783972
TOTAL/WTED AVG		3.49	5.84	60	0.00	0	9.30	24059842

3 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	801	4.96	9.56	95	0.00	0	14.52	188929
64W	3932	3.79	5.77	61	0.00	0	9.56	864147
66W	5843	4.73	6.52	77	0.00	0	11.25	1307151
68W	5522	4.46	6.72	71	0.00	0	11.18	1257851
70W	10112	3.89	6.67	67	0.00	0	10.56	2233999
72W	10429	3.55	5.71	61	0.00	0	9.26	2265054
74W	14205	3.58	6.02	61	0.00	0	9.60	2962099
76W	15141	3.32	5.57	57	0.00	0	8.89	3073992
78W	12603	3.11	5.61	55	0.00	0	8.72	3160553
80W	15800	2.88	4.85	50	0.00	0	7.49	3878539
82W	7063	2.76	4.75	48	0.00	0	7.51	2708909
84W	6294	2.12	3.81	35	0.00	0	5.93	1379326
86W	3570	2.33	4.50	40	0.00	0	6.83	783972
TOTAL/WTED AVG		3.33	5.55	57	0.00	0	8.85	26064522

0 % COMBINED Pb - Zn

SECTION	AREA	Pb %	Zn %	Ag	Cu %	Au	Pb+Zn	TONNES
62W	871	4.67	9.00	89	0.00	0	13.66	202679
64W	3932	3.79	5.77	61	0.00	0	9.56	864147
66W	6963	4.16	5.82	69	0.00	0	9.98	1526169
68W	7901	3.55	5.39	57	0.00	0	8.93	1697815
70W	11036	3.69	6.29	64	0.00	0	9.98	2408666
72W	11462	3.36	5.37	57	0.00	0	8.73	2455363
74W	15808	3.36	5.64	57	0.00	0	9.00	3241453
76W	15648	3.25	5.45	56	0.00	0	8.70	3162948
78W	16927	3.01	5.40	53	0.00	0	8.41	3328663
80W	21449	2.74	4.59	48	0.00	0	7.10	4207463
82W	12268	2.76	4.75	48	0.00	0	7.51	2708909
84W	6294	2.12	3.81	35	0.00	0	5.93	1379326
86W	3570	2.33	4.50	40	0.00	0	6.83	783972
TOTAL/WTED AVG		3.17	5.28	54	0.00	0	8.42	27967573

GRUM - ALTERNATE PIT

ORE VOLUME
CALCULATIONS

>0% Pb+Zn

AREA OF

INFLUENCE = 61 METRES

SECTION	VOLUME
62W	53131
64W	239822
66W	424713
68W	481931
70W	673166
72W	699182
74W	964288
76W	954498
78W	1032517
80W	1308359
82W	748330
84W	383934
86W	217770

TOTAL VOLUME 8181641

7541720 3%

688911 4%

GRUM - ALTERNATE PIT

ORE VOLUME
CALCULATIONS

>=3% Pb + Zn

AREA OF

INFLUENCE = 61 METRES

SECTION	VOLUME
58W	0
60W	0
62W	48861
64W	239822
66W	356393
68W	336812
70W	616832
72W	636139
74W	866505
76W	923571
78W	973804
80W	1192947
82W	748330
84W	383934
86W	217770
88W	0

TOTAL VOLUME 7541720

GRUM - ALTERNATE PIT

ORE VOLUME
CALCULATIONS
>=4% Pb + Zn
AREA OF
INFLUENCE = 61 METRES

SECTION	VOLUME
58W	0
60W	0
62W	48861
64W	219021
66W	356393
68W	336812
70W	582672
72W	573614
74W	828075
76W	791963
78W	848053
80W	973438
82W	728505
84W	383934
86W	217770
88W	0

TOTAL VOLUME 6889111

GRIM - ALTERNATE PIT

WASTE VOLUME
CALCULATIONS
>=4% Pb + Zn

AREA OF
INFLUENCE = 61 METRES

SECTION	AREA	ROCK VOLUME	ORE TONNAGE	OVERBURDEN VOLUME
58W	0	0	0	40992
60W	1000	61000	0	832650
62W	8800	536800	188929	1537200
64W	26808	1635288	789006	2071682
66W	35900	2189900	1307151	1986648
68W	62050	3785050	1257851	610000
70W	72870	4445070	2123853	623420
72W	69600	4245600	2065863	1229760
74W	81994	5001634	2849334	978684
76W	122878	7495558	2664943	982100
78W	117368	7159448	2783645	961360
80W	125312	7644032	3228429	866200
82W	125112	7631832	2637539	198860
84W	87564	5341404	1379326	98454
86W	50108	3056588	783972	97600
88W	20992	1280512	0	120536

61509716 24059841 13236146

TOTAL VOLUME OF PIT	89,000,000
TOTAL VOLUME OF O/B	13,236,146
TOTAL VOLUME OF ROCK	76,000,000
TOTAL VOLUME OF ORE	6,869,111
TOTAL VOLUME OF WASTE	69,110,889
WASTE/ORE	10.03
O/B+WASTE : ORE	11.95

VOLUME 15K m³ added.
for RAMPs

TOTAL TONNAGE OF PIT	237,248,740
TOTAL TONNAGE OF O/B	23,225,063
TOTAL TONNAGE OF ROCK	213,423,677
TOTAL TONNAGE OF WASTE	189,363,836
TOTAL TONNAGE OF ORE	24,059,841
WASTE/ORE	7.87
O/B+WASTE : ORE	8.86

4% C/O

RATIO VOLUME/TONNAGE (M³/TONNE) 3.70

ALT PIT

GRUM - ALTERNATE PIT

WASTE VOLUME
CALCULATIONS

>=4% Pb + Zn

AREA OF
INFLUENCE = 61 METRES

SECTION	AREA	ROCK VOLUME	DRE TONNAGE	OVERBURDEN VOLUME
58W	0	0	0	40992
60W	1000	61000	0	832650
62W	8800	536800	188929	1537200
64W	26808	1635288	789006	2071682
66W	35900	2189900	1307151	1986648
68W	62050	3785050	1257851	610000
70W	72870	4445070	2123853	623420
72W	69600	4245600	2065863	1229760
74W	81994	5001634	2849334	978684
76W	122878	7495558	2664943	982100
78W	117368	7159448	2783645	961360
80W	125312	7644032	3228429	866200
82W	125112	7631832	2637539	198860
84W	87564	5341404	1379326	98454
86W	50108	3056588	783972	97600
88W	20992	1280512	0	120536

61509716 24059841 13236146

TOTAL VOLUME OF PIT 74,745,862 ROCK VOL + O/B VOL
 TOTAL VOLUME OF O/B 13,236,146
 TOTAL VOLUME OF ROCK 61,509,716
 TOTAL VOLUME OF DRE 6,889,111 (see VOL CALC)
 TOTAL VOLUME OF WASTE 54,620,605 VOL OF ROCK - VOL OF DRE
 WASTE/DRE 7.93
 O/B+WASTE : DRE 9.85

TOTAL TONNAGE OF PIT 197,545,362 TON OF O/B + TON OF ROCK
 TOTAL TONNAGE OF O/B 23,825,063 1.8 x VOL OF O/B
 TOTAL TONNAGE OF ROCK 173,720,299 (VOL OF WASTE x 2.74) + DRE TON
 TOTAL TONNAGE OF WASTE 149,660,458 VOL OF WASTE x 2.74
 TOTAL TONNAGE OF DRE 24,059,841 4% C/O
 WASTE:DRE 6.22
 O/B+WASTE : DRE 7.21

RATIO VOLUME/TONNAGE (M3/TONNE) 3.11

GRUP - ALTERNATE PIT

WASTE VOLUME
CALCULATIONS

>=3% Pb + Zn

AREA OF
INFLUENCE = 61 METRES

SECTION	AREA	ROCK VOLUME	ORE TONNAGE	OVERBURDEN VOLUME
58W	0	0	0	40992
60W	1000	61000	0	832650
62W	8800	536800	188929	1537200
64W	26808	1635288	864147	2071682
66W	35900	2189900	1307151	1986648
68W	62050	3785050	1257851	610000
70W	72870	4445070	2233999	623420
72W	69600	4245600	2265054	1229760
74W	81994	5001634	2962099	978684
76W	122878	7495558	3073992	982100
78W	117368	7159448	3160553	961360
80W	125312	7644032	3878539	866200
82W	125112	7631832	2708909	198860
84W	87564	5341404	1379326	98454
86W	50108	3056588	783972	97600
88W	20992	1280512	0	120536
		61509716	26064521	13236146

TOTAL VOLUME OF PIT	74,745,862 ROCK VOL + O/B VOL
TOTAL VOLUME OF O/B	13,236,146
TOTAL VOLUME OF ROCK	61,509,716
TOTAL VOLUME OF ORE	7,541,720 (see VOL CALC)
TOTAL VOLUME OF WASTE	53,967,996 VOL OF ROCK - VOL OF ORE
WASTE/ORE	7.16
O/B+WASTE : ORE	8.91

TOTAL TONNAGE OF PIT	197,761,893 TON OF O/B + TON OF ROCK
TOTAL TONNAGE OF O/B	23,825,063 1.8 x VOL OF O/B
TOTAL TONNAGE OF ROCK	173,936,830 (VOL OF WASTE x 2.74) + ORE TON
TOTAL TONNAGE OF WASTE	147,872,309 VOL OF WASTE x 2.74
TOTAL TONNAGE OF ORE	26,064,521 3% C/O
WASTE:ORE	5.67
O/B+WASTE : ORE	6.59

RATIO VOLUME/TONNAGE (M3/TONNE) 2.87

GRUM - ALTERNATE PIT

WASTE VOLUME
CALCULATIONS

>=3% Pb + Zn

AREA OF
INFLUENCE = 61 METRES

SECTION	AREA	ROCK VOLUME	ORE TONNAGE	OVERBURDEN VOLUME
58W	0	0	0	40992
60W	1000	61000	0	832650
62W	8800	536800	188929	1537200
64W	26808	1635288	864147	2071682
66W	35900	2189900	1307151	1986648
68W	62050	3785050	1257851	610000
70W	72870	4445070	2233999	623420
72W	69600	4245600	2265054	1229760
74W	81994	5001634	2962099	978684
76W	122878	7495558	3073992	982100
78W	117368	7159448	3160553	961360
80W	125312	7644032	3878539	866200
82W	125112	7631832	2708909	198860
84W	87564	5341404	1379326	98454
86W	50108	3056588	783972	97600
88W	20992	1280512	0	120536

61509716 26064521 13236146

TOTAL VOLUME OF PIT	74,745,862
TOTAL VOLUME OF O/B	13,236,146
TOTAL VOLUME OF ROCK	61,509,716
TOTAL VOLUME OF ORE	7,541,720
TOTAL VOLUME OF WASTE	53,967,996
WASTE/ORE	7.16
O/B+WASTE : ORE	8.91

add 10,000,000 Bcm. → RAMP S
6,000,000 → Chug Zone
 16,000,000
 plus 4.5
 2,000,000

TOTAL TONNAGE OF PIT	197,761,893
TOTAL TONNAGE OF O/B	23,825,063
TOTAL TONNAGE OF ROCK	173,936,830
TOTAL TONNAGE OF WASTE	147,872,309
TOTAL TONNAGE OF ORE	26,064,521 3% C/O
WASTE:ORE	5.67
O/B+WASTE : ORE	6.59

7.5
 10% on grade

RATIO VOLUME/TONNAGE (M3/TONNE) 2.87

GRUM - DLK PIT

WASTE VOLUME
CALCULATIONS

AREA OF INFLUENCE = 61 METRES	SECTION	AREA	ROCK VOLUME	ORE TONNAGE	OVERBURDEN VOLUME
	58W	0	0	0	0
	60W	0	0	0	0
	62W	2774	169214	179877	481412
	64W	8820	538020	334599	903532
	66W	18700	1140700	659883	1000400
	68W	39770	2425970	682193	610000
	70W	48750	2973750	1656062	506300
	72W	53760	3279360	1967427	1024800
	74W	65930	4021730	2154197	760060
	76W	97810	5966410	2098136	864980
	78W	77600	4733600	2091391	4733600
	80W	78000	4758000	2269232	793000
	82W	77700	4739700	1241051	198860
	84W	56304	3434544	1179911	69174
	86W	29196	1780956	905850	97600
	88W	0	0	0	0
			39961954	17419809	12043718
TOTAL VOLUME OF PIT		52,005,672			
TOTAL VOLUME OF O/B		12,043,718			
TOTAL VOLUME OF ROCK		39,961,954			
TOTAL VOLUME OF ORE		5,610,570			
TOTAL VOLUME OF WASTE		34,351,384			
WASTE/ORE		6.12			
O/B+WASTE : ORE		8.27			
TOTAL TONNAGE OF PIT		133,221,294			
TOTAL TONNAGE OF O/B		21,678,692			
TOTAL TONNAGE OF ROCK		111,542,601			
TOTAL TONNAGE OF WASTE		94,122,792			
TOTAL TONNAGE OF ORE		17,419,809			
WASTE:ORE		5.40			
O/B+WASTE : ORE		6.65			
RATIO VOLUME/TONNAGE (M3/TONNE)		2.99			

GRUM - ALTERNATE PIT

WASTE VOLUME
CALCULATIONS

>=4% Pb + Zn

AREA OF
INFLUENCE = 61 METRES

SECTION	AREA	ROCK VOLUME	ORE TONNAGE	OVERBURDEN VOLUME
58W	0	0	0	40992
60W	1000	61000	0	832650
62W	8800	536800	188929	1537200
64W	26808	1635288	789006	2071682
66W	35900	2189900	1307151	1986648
68W	62050	3785050	1257851	610000
70W	72870	4445070	2123853	623420
72W	69600	4245600	2065863	1229760
74W	81994	5001634	2849334	978684
76W	122878	7495558	2664943	982100
78W	117368	7159448	2783645	961360
80W	125312	7644032	3228429	866200
82W	125112	7631832	2637539	198860
84W	87564	5341404	1379326	98454
86W	50108	3056588	783972	97600
88W	20992	1280512	0	120536

61509716 24059841 13236146

TOTAL VOLUME OF PIT	74,745,862	
TOTAL VOLUME OF O/B	13,236,146	
TOTAL VOLUME OF ROCK	61,509,716	
TOTAL VOLUME OF ORE	6,889,111	
TOTAL VOLUME OF WASTE	54,620,605	+ 10,000
WASTE/ORE	7.93	
O/B+WASTE : ORE	9.85	

TOTAL TONNAGE OF PIT	197,545,362	+ 27,000 = 224
TOTAL TONNAGE OF O/B	23,825,063	
TOTAL TONNAGE OF ROCK	173,720,299	
TOTAL TONNAGE OF WASTE	149,660,458	
TOTAL TONNAGE OF ORE	24,059,841	4% C/O
WASTE:ORE	6.22	
O/B+WASTE : ORE	7.21	

RATIO VOLUME/TONNAGE (M3/TONNE) 3.11

3.50
2.74
1.80

Add.

SECTION 84 W

BLOCK	AREA	VOLUME	Pb+Zn	AREA ABOVE CUTOFF	VOLUME ABOVE CUTOFF	SG	TONNES ABOVE CUTOFF
1	45	2745	18.44	45	2745	3.6	9882
2	310	18910	7.46	310	18910	3.6	68076
3	307.5	18757.5	8.64	307.5	18757.5	3.6	67527
4	302.5	18452.5	10.7	302.5	18452.5	3.6	66429
5	37.5	2287.5	10.64	37.5	2287.5	3.6	8235
6	35	2135	19.3	35	2135	3.6	7686
7	70	4270	12.05	70	4270	3.6	15372
8	77.5	4727.5	6.32	0	0	3.6	0
9	57.5	3507.5	8.74	57.5	3507.5	3.6	12627
10	2550	155550	7.06	2550	155550	3.6	559980
11	815	49715	5.35	0	0	3.6	0
12	1625	99125	4.27	0	0	3.6	0
13	702.5	42852.5	4.51	0	0	3.6	0
14	477.5	29127.5	9.29	477.5	29127.5	3.6	104859
15	425	25925	8.34	425	25925	3.3	85552.5
16	250	15250	11.97	250	15250	3.5	53375
17	342.5	20892.5	8.03	342.5	20892.5	3.3	68945.25
18	345	21045	6.93	0	0	3.6	0
19	231.5	14121.5	8.07	231.5	14121.5	3.6	50837.4
20	75	4575	11.5	75	4575	3.6	16470
21	112.5	6862.5	5.84	0	0	3.6	0
22	135	8235	11.26	135	8235	4	32940
23	375	22875	9.52	375	22875	3.1	70912.5
24	352.5	21502.5	15.21	352.5	21502.5	3.6	77409
25	72.5	4422.5	21.4	72.5	4422.5	3.6	15921
26	407.5	24857.5	12.16	407.5	24857.5	3.6	89487
27	225	13725	6.15	0	0	3.6	0
28	295	17995	8.59	295	17995	3.6	64782
29	987.5	60237.5	8.77	987.5	60237.5	3.5	210831.2
30	60	3660	9.67	60	3660	3.1	11346
31	70	4270	4.66	0	0	3.6	0
32	220	13420	7.99	220	13420	3.6	48312
33	17.5	1067.5	16.2	17.5	1067.5	3.6	3843
34	315	19215	5.2	0	0	3.6	0
	12726.5	776316.5		8439	514779		1821636.

OK
My

SECTION 86 W

BLOCK	AREA	VOLUME	Pb+Zn	AREA ABOVE CUTOFF	VOLUME ABOVE CUTOFF	SG	TONNES ABOVE CUTOFF
1	0	0	3.42	0	0	3.6	0
2	0	0	3.84	0	0	3.6	0
3	965	58865	9.08	965	58865	3.6	211914
4	85	5185	6.37	0	0	3.6	0
5	1805	110105	5.53	0	0	3.6	0
6	0	0	3.58	0	0	3.6	0

7	3870	236070	6.8	0	0	3.6	0
8	850	51850	7.2	850	51850	3.6	186660
9	1357.5	82807.5	5.24	0	0	3.6	0
10	0	0	3.03	0	0	3.6	0
11	177.5	10827.5	5.68	0	0	3.6	0
12	102.5	6252.5	25	102.5	6252.5	3.6	22509
13	362.5	22112.5	9.97	362.5	22112.5	3.6	79605
14	0	0	3.34	0	0	3.6	0
15	357.5	21807.5	9.67	357.5	21807.5	3.6	78507
16	57.5	3507.5	6.15	0	0	3.6	0
17	47.5	2897.5	5.23	0	0	3.6	0
18	857.5	52307.5	11.94	857.5	52307.5	3.6	188307
19	770	46970	6	0	0	3.6	0
20	435	26535	6.09	0	0	3.6	0
21	272.5	16622.5	5.1	0	0	3.6	0
22	380	23180	6.12	0	0	3.6	0
23	797.5	48647.5	9.36	797.5	48647.5	3.6	175131
24	550	33550	19.29	550	33550	3.6	120780
25	0	0	2.35	0	0	3.6	0
26	45	2745	7.76	45	2745	3.6	9882
27	37.5	2287.5	8.07	37.5	2287.5	3.6	8235
28	230	14030	16.11	230	14030	3.6	50508
29	200	12200	5.54	0	0	3.6	0
30	447.5	27297.5	9.39	447.5	27297.5	3.6	98271
31	242.5	14792.5	0	0	0	3.6	0
32	137.5	8387.5	14.4	137.5	8387.5	3.6	30195
33	0	0	3.86	0	0	3.6	0
34	1050	64050	10.15	1050	64050	3.6	230580
35	97.5	5947.5	5.57	0	0	3.6	0
36	0	0	2.19	0	0	3.6	0
	16587.5	1011837.		6790	414190		1491084

SECTION 76 W

BLOCK	AREA	VOLUME	Pb+Zn	AREA ABOVE CUTOFF	VOLUME ABOVE CUTOFF	SG	TONNES ABOVE CUTOFF
1	1640	100040	6.27	0	0	3.01	0
2	255	15555	11.04	255	15555	3.12	48531.6
3	107.5	6557.5	3.5	0	0	2.81	0
4	1127.5	68777.5	8.93	1127.5	68777.5	3.04	209083.6
5	112.5	6862.5	2.12	0	0	2.78	0
6	1112.5	67862.5	6.69	0	0	2.95	0
7	1305	79605	4.26	0	0	2.98	0
8	525	32025	10.83	525	32025	3.1	99277.5
9	172.5	10522.5	10.31	172.5	10522.5	2.97	31251.82
10	82.5	5032.5	3.67	0	0	2.8	0
11	1687.5	102937.5	17.16	1687.5	102937.5	4.11	423073.1
12	117.5	7167.5	1.5	0	0	3.03	0
13	125	7625	8.76	125	7625	2.95	22493.75
14	37.5	2287.5	24.48	37.5	2287.5	4.37	9996.375
15	30	1830	12.85	30	1830	3.48	6368.4
16	1085	66185	6.75	0	0	2.97	0
17	685	41785	3.17	0	0	2.83	0
18	867.5	52917.5	11.26	867.5	52917.5	3.31	175156.9
19	207.5	12657.5	2.24	0	0	2.79	0
20	430	26230	12.18	430	26230	3.23	84722.9
21	220	13420	5.5	0	0	3.27	0
22	95	5795	5.59	0	0	2.99	0
23	250	15250	15.44	250	15250	4.41	67252.5
24	17.5	1067.5	4.03	0	0	3.38	0
25	300	18300	13.19	300	18300	4.05	74115
26	385	23485	3.49	0	0	3.86	0
27	185	11285	12.02	185	11285	4.15	46832.75
28	20	1220	6.07	0	0	4.85	0
29	20	1220	15.8	20	1220	4.18	5099.6
30	27.5	1677.5	11.38	27.5	1677.5	4.19	7028.725
31	407.5	24857.5	3.58	0	0	3.04	0
32	92.5	5642.5	2.43	0	0	3.03	0
33	490	29890	3.44	0	0	3.08	0
34	1812.5	110562.5	9.35	1812.5	110562.5	3.98	440038.7
35	205	12505	4.11	0	0	3.67	0
36	5	305	11.2	5	305	3.94	1201.7
37	125	7625	7.95	125	7625	3.91	29813.75
38	272.5	16622.5	4.81	0	0	3.13	0
39	335	20435	7.16	335	20435	3.37	68865.95
40	250	15250	9.47	250	15250	3.46	52765
	17227.5	1050877.		8567.5	522617.5		1902969.

OK
M7

GRUM DEPOSIT

CHECK ON SIMPSON-ADAMSON/DOME VOLUME CALCULATIONS FOR SUSPICIOUS LOOKING SECTIONS

SECTION 82 W

CUTOFF:	BLOCK	AREA	VOLUME	Pb+Zn	AREA ABOVE CUTOFF	VOLUME ABOVE CUTOFF	SG	TONNES ABOVE CUTOFF
4	1	795	48495	7.26	795	48495	3.6	174582
	2		0	2.92	0	0	3.6	0
	3	75	4575	7.08	75	4575	3.6	16470
	4	95	5795	21.14	95	5795	3.6	20862
	5	42.5	2592.5	9.2	42.5	2592.5	3.6	9333
	6	160	9760	6.64	160	9760	3.6	35136
	7	117.5	7167.5	4.13	117.5	7167.5	3.6	25803
	8	110	6710	12.2	110	6710	3.6	24156
	9	87.5	5337.5	11.81	87.5	5337.5	3.6	19215
	10		0	2.92	0	0	3.6	0
	11	142.5	8692.5	4.43	142.5	8692.5	3.6	31293
	12	627.5	38277.5	7	627.5	38277.5	3.6	137799
	13	542.5	33092.5	4.66	542.5	33092.5	3.6	119133
	14	1110	67710	5.19	1110	67710	3.6	243756
	15	52.5	3202.5	10.37	52.5	3202.5	3.6	11529
	16	327.5	19977.5	6.03	327.5	19977.5	3.6	71919
	17	222.5	13572.5	4.15	222.5	13572.5	3.6	48861
	18	50	3050	7.72	50	3050	3.6	10980
	19	242.5	14792.5	4.61	242.5	14792.5	3.6	53253
	20	325	19825	3.56	0	0	3.6	0
	21	237.5	14487.5	8.41	237.5	14487.5	3.6	52155
	22	177.5	10827.5	11.31	177.5	10827.5	3.6	38979
	23	170	10370	12.62	170	10370	3.6	37332
	24		0	3.61	0	0	3.6	0
	25	410	25010	4.26	410	25010	3.6	90036
	26	440	26840	11.95	440	26840	3.6	96624
	27	547.5	33397.5	7.76	547.5	33397.5	3.6	120231
	28		0	2.3	0	0	3.6	0
	29	20	1220	4.21	20	1220	3.6	4392
	30	24.2	1476.2	13.48	24.2	1476.2	3.6	5314.32
	31	47.5	2897.5	10.67	47.5	2897.5	3.6	10431
	32	1077.5	65727.5	12.83	1077.5	65727.5	4.15	272769.1
	33	220	13420	4.64	220	13420	3.6	48312
	34	62.5	3812.5	18.83	62.5	3812.5	3.6	13725
	35	897.5	54747.5	4.26	897.5	54747.5	3.6	197091
	36	207.5	12657.5	13.92	207.5	12657.5	3.3	41769.75
	37	560	34160	11.17	560	34160	3.6	122976
	38	512.5	31262.5	5.05	512.5	31262.5	3.3	103166.2
	39	262.5	16012.5	11.7	262.5	16012.5	3.6	57645
	40		0	2.12	0	0	3.6	0
	41	365	22265	4.81	365	22265	3.6	80154
	42	387.5	23637.5	4.56	387.5	23637.5	3.6	85095
	43	457.5	27907.5	4.29	457.5	27907.5	3.6	100467
	44	1580	96380	11.99	1580	96380	3.98	383592.4
	45	75	4575	5.44	75	4575	3.6	16470
	46		0	2.72	0	0	3.6	0
	47	237.5	14487.5	4.41	237.5	14487.5	3.6	52155

OK
JCP

48	355	21655	11.12	355	21655	3.8	82289
49	195	11895	6.55	195	11895	3.6	42822
50	340	20740	7.6	340	20740	3.6	74664
51	105	6405	5.2	105	6405	3.6	23058
52	120	7320	5.52	120	7320	3.6	26352
53	582.5	35532.5	4.45	582.5	35532.5	3.6	127917
54		0	2.31	0	0	3.6	0
55	10.5	640.5	21.87	10.5	640.5	3.6	2305.8
56	60	3660	9.75	60	3660	3.6	13176
57		0	2.66	0	0	3.6	0
58	302.5	18452.5	8.37	302.5	18452.5	3.6	66429
59	375	22875	14.53	375	22875	3.6	82350

TOTAL 16547.2 1009379. 16222.2 989554.2 3626324.

SECTION 80 W

BLOCK	AREA	VOLUME	Pb+Zn	AREA ABOVE CUTOFF	VOLUME ABOVE CUTOFF	SG	TONNES ABOVE CUTOFF
1	1060	64660	5.89	1060	64660	3.03	195919.8
2	1325	80825	4.88	1325	80825	3.39	273996.7
3	560	34160	7.66	560	34160	3.03	103504.8
4	422.5	25772.5	2.71	0	0	3	0
5	762.5	46512.5	7.63	762.5	46512.5	3.03	140932.8
6	310	18910	6.22	310	18910	2.86	54082.6
7	92.5	5642.5	6.39	92.5	5642.5	2.99	16871.07
8	122.5	7472.5	2.34	0	0	2.77	0
9	350	21350	8.95	350	21350	2.89	61701.5
10	162.5	9912.5	5.44	162.5	9912.5	2.85	28250.62
11	250	15250	3.5	0	0	2.85	0
12	585	35685	6.96	585	35685	3.22	114905.7
13	175	10675	8.21	175	10675	2.95	31491.25
14	2252.5	137402.5	5.16	2252.5	137402.5	2.88	395719.2
15	2482.5	151432.5	3.19	0	0	2.97	0
16	712.5	43462.5	6.63	712.5	43462.5	3.08	133864.5
17	880	53680	9.51	880	53680	3.11	166944.8
18	487.5	29737.5	12	487.5	29737.5	3.33	99025.87
19	125	7625	1.21	0	0	3.79	0
20	507.5	30957.5	13.26	507.5	30957.5	3.9	120734.2
21	477.5	29127.5	7.58	477.5	29127.5	3.41	99324.77
22	210	12810	7.99	210	12810	3.46	44322.6
23	245	14945	13.58	245	14945	4.47	66804.15
24	242.5	14792.5	7	242.5	14792.5	3.94	58282.45
25	365	22265	5.2	365	22265	2.8	62342
26	1102.5	67252.5	10.99	1102.5	67252.5	3.44	231348.6
27	1357.5	82807.5	2.79	0	0	2.71	0
28	175	10675	15.31	175	10675	3.35	35761.25
29	70	4270	5.41	70	4270	3.1	13237
30	17.5	1067.5	8.6	17.5	1067.5	3.03	3234.525
31	22.5	1372.5	22.9	22.5	1372.5	3.5	4803.75
32	227.5	13877.5	4.98	227.5	13877.5	3.03	42048.82
33	866	52826	3.43	0	0	2.97	0
34	250	15250	12.53	250	15250	4.19	63897.5

OK
LCP

35	87.5	5337.5	8.97	87.5	5337.5	4.36	23271.5
36	765	46665	6.26	765	46665	3.83	178726.9
37	867.5	52917.5	11.02	867.5	52917.5	3.98	210611.6
38	302.5	18452.5	4.91	302.5	18452.5	3.18	58678.95
39	865	52765	15.57	865	52765	3.99	210532.3
40	190	11590	4.85	190	11590	3.35	38826.5
41	572.5	34922.5	2.83	0	0	3.08	0
42	160	9760	10.49	160	9760	3.73	36404.8
43	330	20130	6.44	330	20130	3.93	79110.9
44	327.5	19977.5	4.98	327.5	19977.5	3.99	79710.22
45	610	37210	11.46	610	37210	4.28	159258.8
46	207.5	12657.5	13.34	207.5	12657.5	3.54	44807.55
	24538.5	1496848.		18340	1118740		3783293.

SECTION 78 W

BLOCK	AREA	VOLUME	Pb+Zn	AREA ABOVE CUTOFF	VOLUME ABOVE CUTOFF	SS	TONNES ABOVE CUTOFF
1	1362.5	83112.5	5.43	1362.5	83112.5	2.9	241026.2
2	255	15555	7.93	255	15555	3.34	51953.7
3	2435	148535	8.7	2435	148535	3.03	450061.0
4	520	31720	3.99	0	0	2.77	0
5	15	915	7.82	15	915	3.34	3056.1
6	22.5	1372.5	5.08	22.5	1372.5	3.34	4584.15
7	310	18910	7.43	310	18910	3.18	60133.8
8	167.5	10217.5	7.63	167.5	10217.5	3.31	33819.92
9	227.5	13877.5	16.56	227.5	13877.5	3.47	48154.92
10	265	16165	4.78	265	16165	3.01	48656.65
11	247.5	15097.5	3.25	0	0	2.89	0
12	872.5	53222.5	9.19	872.5	53222.5	3.24	172440.9
13	287.5	17537.5	4.07	287.5	17537.5	3.19	55944.62
14	830	50630	5.22	830	50630	2.95	149358.5
15	312.5	19062.5	2.76	0	0	2.76	0
16	517.5	31567.5	6.84	517.5	31567.5	3.04	95965.2
17	375	22875	13.39	375	22875	3.41	78003.75
18	87.5	5337.5	9.21	87.5	5337.5	3.25	17346.87
19	185	11285	3.13	0	0	2.81	0
20	67.5	4117.5	5.02	67.5	4117.5	3.07	12640.72
21	182.5	11132.5	7.02	182.5	11132.5	3	33397.5
22	100	6100	24.69	100	6100	3.52	21472
23	545	33245	3.22	0	0	3.05	0
24	190	11590	6.32	190	11590	2.87	33263.3
25	287.5	17537.5	3.26	0	0	2.85	0
26	1042.5	63592.5	17.41	1042.5	63592.5	3.81	242287.4
27	1047.5	63897.5	7.05	1047.5	63897.5	3.15	201277.1
28	57.5	3507.5	10.95	57.5	3507.5	4.4	15433
29	65	3965	2.78	0	0	2.99	0
30	352.5	21502.5	4.06	352.5	21502.5	3.29	70743.22
31	250	15250	2.1	0	0	2.87	0
32	890	54290	11.09	890	54290	4.18	226932.2
33	335	20435	2.95	0	0	2.93	0
34	102.5	6252.5	5.9	102.5	6252.5	3.32	20758.3
35	932.5	56882.5	8.84	932.5	56882.5	3.56	202501.7

OK
LCP

36	377.5	23027.5	6.96	377.5	23027.5	3.03	69773.32
37	155	9455	9.1	155	9455	3.91	36969.05
38	425	25925	13.51	425	25925	3.98	103181.5
39	67.5	4117.5	3.75	0	0	3.4	0
40	787.5	48037.5	3.39	0	0	3.33	0
41	30	1830	2.43	0	0	3.8	0
42	582.5	35532.5	16.88	582.5	35532.5	3.35	119033.8
43	70	4270	8.28	70	4270	3.64	15542.8
44	150	9150	2.81	0	0	3.34	0
45	195	11895	6.54	195	11895	3.62	43059.9
46	55	3355	7.1	55	3355	3.19	10702.45
47	182.5	11132.5	10.56	182.5	11132.5	3.42	38073.15
48	275	16775	4.84	275	16775	3.94	66093.5
49	150	9150	3.25	0	0	3.03	0
50	530	32330	5.13	530	32330	3.03	97959.9
51	455	27755	6.81	455	27755	3.3	91591.5
	20230	1234030		16297.5	994147.5		3283193.