



GRUM DEPOSIT  
GEOLOGICAL RESERVE  
CALCULATION

This program calculates the Total Geological Reserves of Pb, Zn and Ag (Cu and Au optional) of the GRUM DEPOSIT. Each cross-section has been placed in its own file and files covering the deposit are contained on two disks (GREEN labels titled RES).

CROSS-SECTION FILES

Each cross-section file contains the following data:

BLOCK: A geologically described (FACIES) unit of ore  
FACIES: A code is listed to describe the dominant geological facies of the unit.  
AREA: Estimated area of each BLOCK along section.  
Pb, Zn, Cu: Grades given in %  
Ag, Au: Grades given in gms/tonne  
S.G.: Specific Gravity of each BLOCK.

Each section assumes an area of influence of 61 metres centered on each hole.

Each cross-section file calculates the following data:

Pb+Zn: Pb grade + Zn grade  
TONNAGE: Calculated using the AREA of the BLOCK, Area of Influence and S.G.  
GRADES: The weighted average grade of Pb, Zn, Cu, Ag and Au.

A SUMMARY CHART sorts the above data according to Combined Pb + Zn values of 3%, 4% and 7%.

SUMMARY1 FILE

The SUMMARY1 File amalgamates all the SUMMARY CHARTS for each CROSS-SECTION FILE. Total TONNAGE and WEIGHTED AVERAGE GRADES are determined for Total Reserves (%) and Combined Pb + Zn Values of more than or equal to 3%, 4% and 7%.

RUNNING THE PROGRAMS

CROSS-SECTION FILES

Each Section File is labeled according to the Deposit Name and Section Location eg. GRUM62. Additional data may be added to each section BUT ONE MUST INSURE THAT THE FORMULAS ARE COPIED INTO THE NEWLY CREATED CELLS and that the CRITERION RANGE IN THE MACRO SETUP ARE ADJUSTED ACCORDINGLY. No adjustments need be made if rows of data are deleted.

Section File Instructions are placed in a MACRO in Column CD and named in Column CC. The first row CD1 sets up the input criterion and outputs the data into the SUMMARY CHART. The remaining part of the MACRO creates RANGE NAMES for each series of

sorted data in the SUMMARY CHART. The RANGE NAME is coded as follows: eg. G627

- G Grum Deposit
- 62 Section 62+00 W
- 7 Reserves containing more than or equal to 7% combined Pb and Zn.

The MACRO is named in COLUMN CC and is labeled \A. The "\" stands for the key labeled "Alt" on the keyboard and is pushed down simultaneously with the Capital "A" key. The program in the MACRO is then executed.

#### SUMMARY1 FILE

Section File Instructions are placed in a MACRO in Column AB and named in Column AA. Since data for the Grum Deposit is found on two disks, two MACROS are used to summarize data - \A for data on DISK1 and \B for data on DISK2. When data on DISK1 has accumulated, instructions are given to insert DISK2 and start \B. On completion of DISK2, instructions are given to remove DISK2, reinsert DISK1 and start \C. This saves the summary in file SUMMARY1.

TOTAL RESERVEVES

SUMMARY

## 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 | 84 | 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  |
| 74W            | 11195 | 4.12 | 6.78 | 70 | 0.00 | 0  | 10.90 | 2447724  |
| 76W            | 8560  | 4.45 | 7.47 | 74 | 0.00 | 0  | 11.92 | 1902970  |
| 78W            | 10468 | 3.92 | 7.02 | 68 | 0.00 | 0  | 10.94 | 2181775  |
| 80W            | 9263  | 4.20 | 6.76 | 70 | 0.00 | 0  | 10.97 | 2017002  |
| 82W            | 8095  | 3.95 | 6.86 | 69 | 0.00 | 0  | 10.81 | 1991631  |
| 84W            | 8439  | 3.34 | 5.75 | 57 | 0.00 | 0  | 9.09  | 1821637  |
| 86W            | 6790  | 3.96 | 6.97 | 66 | 0.00 | 0  | 10.92 | 1481202  |
| <hr/>          |       |      |      |    |      |    |       |          |
| 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  |
| 74W            | 15328 | 3.66 | 5.97 | 61 | 0.00 | 0  | 9.62  | 3237299  |
| 76W            | 14540 | 3.61 | 6.06 | 62 | 0.00 | 0  | 9.67  | 3006734  |
| 78W            | 12995 | 3.37 | 5.96 | 59 | 0.00 | 0  | 9.33  | 3093642  |
| 80W            | 13378 | 3.31 | 5.41 | 56 | 0.00 | 0  | 8.47  | 3783293  |
| 82W            | 6874  | 3.00 | 5.10 | 52 | 0.00 | 0  | 8.11  | 3618273  |
| 84W            | 12727 | 2.86 | 4.83 | 48 | 0.00 | 0  | 7.69  | 2763172  |
| 86W            | 16345 | 2.88 | 5.21 | 49 | 0.00 | 0  | 8.09  | 3579480  |
| <hr/>          |       |      |      |    |      |    |       |          |
| 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  |
| 74W            | 15978 | 3.58 | 5.84 | 60 | 0.00 | 0  | 9.42  | 3353809  |
| 76W            | 16698 | 3.36 | 5.56 | 57 | 0.00 | 0  | 8.92  | 3415783  |
| 78W            | 12445 | 3.08 | 5.41 | 54 | 0.00 | 0  | 8.49  | 3609917  |
| 80W            | 15860 | 3.02 | 4.90 | 51 | 0.00 | 0  | 7.71  | 4433403  |
| 82W            | 7128  | 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            | 16345 | 2.88 | 5.21 | 49 | 0.00 | 0  | 8.09  | 3579480  |
| <hr/>          |       |      |      |    |      |    |       |          |
| TOTAL/WTED AVG |       | 3.32 | 5.43 | 56 | 0.00 | 0  | 8.72  | 35383461 |

0 % 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 |       | 3.13 | 5.11 | 53 | 0.00 | 0  | 8.22  | 38536557 |

TOTAL RESERVES

X-SECTION

## GRUM DE SIT

SECTION 62W

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     | 4EG    | 540.0  | 3.39 | 5.38  | 86  |      |    | 8.77  | 4.10 | 135054 |
| 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     | 4G4    | 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    | 4GE    | 320.0  | 2.60 | 2.42  | 41  |      |    | 5.02  | 3.80 | 74176  |
| TOTAL |        | 3082.5 |      |       |     |      |    |       |      | 691266 |

## SUMMARY CHART

| CUTOFF<br>Pb + Zn | AREA | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES |
|-------------------|------|------|------|----|------|----|-------|--------|
| 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 |

GRUM

## SECTION 64W

AREA 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    | 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     | 4GE    | 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    | 4CEG   | 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 |

## GRUM D. SIT

SECTION 60W  
66AREA 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  |      |    | 15.44 | 3.84 | 250051  |
| 5     | 4AD    | 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    | 657.5  | 0.48  | 1.68  | 20  |      |    | 2.16  | 3.40 | 136366  |
| 9     | 4CD    | 212.5  | 3.75  | 4.79  | 65  |      |    | 8.54  | 3.34 | 43295   |
| 10    | 4EA    | 210.0  | 2.52  | 4.10  | 46  |      |    | 6.62  | 3.84 | 49190   |
| 11    | 4EG    | 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    | 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    | 4E8    | 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  | 6.00  | 87  |      |    | 10.68 | 3.99 | 23122   |
| ===== |        |        |       |       |     |      |    |       |      |         |
| TOTAL |        | 8937.5 |       |       |     |      |    |       |      | 1949766 |

## SUMMARY CHART

| CUTOFF<br>Pb + Zn | AREA | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|-------------------|------|------|------|----|------|----|-------|---------|
| 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 |

## GRUM DE BIT

## SECTION 68W

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     | 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    | 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 | 29555   |
| 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    | 4G4    | 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    | 4GE    | 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    | 4E8    | 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 70W

AREA OF  
INFLUENCE=

61.00 metres

| BLOCK | FACIES | AREA   | Pb % | Zn %  | Ag  | Cu % | Au | Pb+Zn | S.G. | TONNES |
|-------|--------|--------|------|-------|-----|------|----|-------|------|--------|
| 1     | 4GK    | 57.5   | 7.39 | 8.53  | 123 |      |    | 15.92 | 4.06 | 14240  |
| 2     | 4GD    | 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     | 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    | 4EG    | 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    | 4EG    | 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    | 4EG    | 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    | 4G4    | 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    | 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

12535.0

2767016

## SUMMARY CHART

| CUTOFF         | AREA  | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|----------------|-------|------|------|----|------|----|-------|---------|
| Pb + Zn<br>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 L JS1T

## SECTION 72W

AREA 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    | 4EG     | 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    | 4EG     | 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    | 4GE     | 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    | 4EG     | 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    | 4EG     | 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     | 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    | 4EK     | 155.0  | 4.42 | 9.25  | 80  |      |    | 13.67 | 3.90 | 36875  |
| 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    | 4EG     | 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    | 4EG     | 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

13952.5

3001497

## SUMMARY CHART

| CUTOFF  | AREA  | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|---------|-------|------|------|----|------|----|-------|---------|
| Fb + 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 74W

GRUM DEF AT

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 | 83523   |
| 14    | 4EG    | 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    | 4EG    | 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    | 4G4    | 192.5   | 5.10 | 9.50  | 88  |      |    | 14.60 | 4.14 | 48614   |
| 31    | 4AG    | 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    | 4EG    | 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    | 4GD    | 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    | 4EG    | 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 |

GRUM

## SUMMARY CHr

| CUTOFF<br>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  | 3353809 |
| 0 %               | 18963 | 3.20 | 5.22 | 54 | 0.00 | 0  | 8.42  | 3926305 |

## SECTION 76W

## GRUM DEPOSIT

AREA 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    | 4EG     | 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 | 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    | 4G      | 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    | 4EG     | 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    | 4G4     | 20.0   | 6.20 | 9.60  | 121 |      |    | 15.80 | 4.18 | 5100   |
| 29    | 4EG     | 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    | 4GE     | 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    | 4GL     | 272.5  | 2.16 | 2.65  | 35  |      |    | 4.81  | 3.13 | 52028  |
| 38    | 4GE     | 335.0  | 3.13 | 4.03  | 47  |      |    | 7.16  | 3.37 | 68866  |
| 39    | 4GE     | 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  |
|----------------|-------|------|------|----|------|----|-------|---------|
| Pb + Zn<br>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

## SECTION 76W

GRUM DEPI

AREA OF  
INFLUENCE=

61 metres

*new  
garnet cap  
mineraliz*

| 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 |
|       | 4D4     | 255.0  | 2.73 | 5.20  | 43  |      |    | 7.93  | 3.34 | 51954  |
| 2     | 4A4     | 2435.0 | 2.94 | 5.76  | 48  |      |    | 8.70  | 3.03 | 450061 |
| 3     | 4AD     | 520.0  | 1.22 | 2.77  | 25  |      |    | 3.99  | 2.77 | 87864  |
| 4     | 4D7     | 15.0   | 2.78 | 5.04  | 20  |      |    | 7.82  | 3.34 | 3056   |
| 5     | 4D0     | 22.5   | 1.87 | 3.21  | 29  |      |    | 5.08  | 3.34 | 4584   |
| 6     | 4DE     | 310.0  | 2.71 | 4.72  | 51  |      |    | 7.43  | 3.18 | 60134  |
| 7     | 4A4     | 167.5  | 3.43 | 4.20  | 67  |      |    | 7.63  | 3.31 | 33820  |
| 8     | 4ED     | 227.5  | 5.98 | 10.58 | 97  |      |    | 16.56 | 3.47 | 48155  |
| 9     | 4CD     | 265.0  | 1.80 | 2.98  | 35  |      |    | 4.78  | 3.01 | 48657  |
| 10    | 4L4     | 247.5  | 1.24 | 2.01  | 19  |      |    | 3.25  | 2.89 | 43632  |
| 11    | 4AD     | 872.5  | 3.11 | 6.08  | 58  |      |    | 9.19  | 3.24 | 172441 |
| 12    | 4A0     | 287.5  | 1.37 | 2.70  | 33  |      |    | 4.07  | 3.19 | 55945  |
| 13    | 4ACD    | 830.0  | 1.83 | 3.39  | 35  |      |    | 5.22  | 2.95 | 149359 |
| 14    | 4L4     | 312.5  | 1.15 | 1.61  | 21  |      |    | 2.76  | 2.76 | 52613  |
| 15    | 4A4     | 517.5  | 2.24 | 4.60  | 47  |      |    | 6.84  | 3.04 | 95965  |
| 16    | 4DAE    | 375.0  | 4.37 | 9.02  | 81  |      |    | 13.39 | 3.41 | 78004  |
| 17    | 4A      | 87.5   | 4.09 | 5.12  | 70  |      |    | 9.21  | 3.25 | 17347  |
| 18    | 4AL     | 185.0  | 1.01 | 2.12  | 22  |      |    | 3.13  | 2.81 | 31711  |
| 19    | 4A4     | 67.5   | 2.02 | 3.00  | 37  |      |    | 5.02  | 3.07 | 12641  |
| 20    | 4AE     | 182.5  | 2.51 | 4.51  | 43  |      |    | 7.02  | 3.00 | 33398  |
| 21    | 4A4     | 100.0  | 8.31 | 16.38 | 113 |      |    | 24.69 | 3.52 | 21472  |
| 22    | 4LA     | 545.0  | 1.12 | 2.10  | 21  |      |    | 3.22  | 3.05 | 101397 |
| 23    | 4AL     | 190.0  | 2.10 | 4.22  | 35  |      |    | 6.32  | 2.87 | 33263  |
| 24    | 4A1     | 287.5  | 1.26 | 2.00  | 23  |      |    | 3.26  | 2.85 | 49982  |
| 25    | 4AE/4EG | 1042.5 | 5.68 | 11.73 | 98  |      |    | 17.41 | 3.81 | 242287 |
| 26    | 4A4     | 1047.5 | 2.78 | 4.27  | 43  |      |    | 7.05  | 3.15 | 201277 |
| 27    | 4E4     | 57.5   | 3.99 | 6.96  | 77  |      |    | 10.95 | 4.40 | 15433  |
| 27A   | 4A0     | 65.0   | 1.86 | 0.92  | 30  |      |    | 2.78  | 2.99 | 11855  |
| 28    | 4A0     | 352.5  | 2.01 | 2.05  | 34  |      |    | 4.06  | 3.29 | 70743  |
| 29    | 4AL     | 250.0  | 0.94 | 1.16  | 13  |      |    | 2.10  | 2.87 | 43768  |
| 29A   | 4GE     | 890.0  | 4.17 | 6.92  | 84  |      |    | 11.09 | 4.18 | 226932 |
| 30    | 4A0     | 335.0  | 1.17 | 1.78  | 24  |      |    | 2.95  | 2.93 | 59875  |
| 31    | 4AE     | 102.5  | 2.16 | 3.74  | 39  |      |    | 5.90  | 3.32 | 20758  |
| 32    | 4EA4    | 932.5  | 3.65 | 5.19  | 63  |      |    | 8.84  | 3.56 | 202502 |
| 33    | 4A4     | 377.5  | 2.67 | 4.29  | 46  |      |    | 6.96  | 3.03 | 69773  |
| 34    | 4EA     | 155.0  | 3.71 | 5.39  | 64  |      |    | 9.10  | 3.91 | 36969  |
| 35    | 4E4/5B9 | 425.0  | 5.22 | 8.29  | 98  |      |    | 13.51 | 3.98 | 103182 |
| 36    | 4EA     | 67.5   | 1.45 | 2.30  | 27  |      |    | 3.75  | 3.40 | 14000  |
| 37    | 4EA     | 787.5  | 1.49 | 1.90  | 25  |      |    | 3.39  | 3.33 | 159965 |
| 38    | 4E1     | 30.0   | 1.20 | 1.23  | 27  |      |    | 2.43  | 3.80 | 6954   |
| 39    | 4DA     | 582.5  | 6.03 | 10.85 | 97  |      |    | 16.88 | 3.35 | 119034 |
| 40    | 4AED    | 70.0   | 2.68 | 5.60  | 53  |      |    | 8.28  | 3.64 | 15543  |
| 41    | 4C3     | 150.0  | 1.21 | 1.60  | 19  |      |    | 2.81  | 3.34 | 30561  |
| 42    | 4EG     | 195.0  | 3.01 | 3.53  | 51  |      |    | 6.54  | 3.62 | 43060  |
| 43    | 4AG     | 55.0   | 2.34 | 4.76  | 44  |      |    | 7.10  | 3.19 | 10702  |
| 44    | 4AE     | 182.5  | 4.15 | 6.41  | 68  |      |    | 10.56 | 3.42 | 38073  |
| 45    | 4EB     | 275.0  | 2.45 | 2.39  | 27  |      |    | 4.84  | 3.94 | 66094  |
| 46    | 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    | 4LG | 455.0   | 2.72 | 4.09 | 42 | 6.81 | 3.30 | 91592   |
| TOTAL |     | 20230.0 |      |      |    |      |      | 4005094 |

SUMMARY CHART

| CUTOFF | Fb + Zn | AREA  | Fb % | Zn % | Ag | Cu % | Au | Fb+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  | 3092642 |
| 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 |

## SECTION BOW

AREA OF  
INFLUENCE=

61 metres

*new  
grumes  
cap.  
miscel. 2*

| BLOCK | FACIES | AREA  | Pb %    | Zn % | Ag    | Cu % | Au | Pb+Zn | S.G. | TONNES  |
|-------|--------|-------|---------|------|-------|------|----|-------|------|---------|
|       | 4A     | 4A1   | 1060.0  | 2.09 | 3.80  | 34   |    | 5.89  | 3.03 | 195920  |
|       |        | 4AE   | 1325.0  | 2.79 | 5.53  | 52   |    | 4.88  | 3.39 | 273997  |
|       |        | 4A4   | 560.0   | 2.70 | 4.96  | 49   |    | 7.66  | 3.03 | 103505  |
|       |        | 4AB   | 422.5   | 0.95 | 1.76  | 19   |    | 2.71  | 3.00 | 77318   |
|       |        | 4A4   | 762.5   | 2.89 | 4.74  | 47   |    | 7.63  | 3.03 | 140933  |
|       |        | 4A2   | 310.0   | 1.65 | 4.57  | 38   |    | 6.22  | 2.86 | 54083   |
|       | 4C0    | 4D4   | 92.5    | 2.15 | 4.24  | 38   |    | 6.39  | 2.99 | 16871   |
|       |        | 4C0   | 122.5   | 1.00 | 1.34  | 19   |    | 2.34  | 2.77 | 20699   |
|       |        | 4A4   | 350.0   | 3.12 | 5.83  | 57   |    | 8.95  | 2.89 | 61702   |
|       |        | 4AC   | 162.5   | 1.54 | 3.90  | 26   |    | 5.44  | 2.85 | 28251   |
|       |        | 4AC   | 250.0   | 1.27 | 2.23  | 22   |    | 3.50  | 2.85 | 43463   |
|       | 4A     | 4ADCB | 585.0   | 2.43 | 4.53  | 40   |    | 6.96  | 3.22 | 114906  |
|       |        | 4AD   | 175.0   | 3.18 | 5.03  | 46   |    | 8.21  | 2.95 | 31491   |
|       |        | 4A0   | 2252.5  | 1.78 | 3.38  | 33   |    | 5.16  | 2.88 | 395719  |
|       |        | 4ALC  | 2482.5  | 1.27 | 1.92  | 22   |    | 3.19  | 2.97 | 449755  |
|       |        | 4AE   | 712.5   | 2.38 | 4.25  | 44   |    | 6.63  | 3.08 | 133865  |
|       |        | 4A4   | 880.0   | 3.35 | 6.16  | 57   |    | 9.51  | 3.11 | 166945  |
|       |        | 4A4   | 487.5   | 4.18 | 7.82  | 69   |    | 12.00 | 3.33 | 99026   |
|       | 4E     | 4EA   | 125.0   | 0.45 | 0.76  | 17   |    | 1.21  | 3.79 | 28899   |
|       |        | 4EG   | 507.5   | 5.40 | 7.86  | 96   |    | 13.26 | 3.90 | 120734  |
|       | 4A     | 4AEL  | 477.5   | 2.81 | 4.77  | 54   |    | 7.58  | 3.41 | 99325   |
|       |        | 4E    | 210.0   | 4.38 | 3.61  | 63   |    | 7.99  | 3.46 | 44323   |
|       | 4E     | 4EG   | 245.0   | 7.25 | 6.33  | 112  |    | 13.58 | 4.47 | 66804   |
|       |        | 4E4   | 242.5   | 3.00 | 4.00  | 46   |    | 7.00  | 3.94 | 58282   |
|       |        | 4L4   | 365.0   | 2.40 | 2.80  | 35   |    | 5.20  | 2.80 | 62342   |
|       |        | 4AD   | 1102.5  | 3.75 | 7.24  | 68   |    | 10.99 | 3.44 | 231349  |
|       |        | 4AL   | 1357.5  | 1.14 | 1.65  | 19   |    | 2.79  | 2.71 | 224408  |
|       |        | 4AD   | 175.0   | 5.87 | 9.44  | 116  |    | 15.31 | 3.35 | 35761   |
|       | 4A     | 4AD   | 70.0    | 1.86 | 3.55  | 36   |    | 5.41  | 3.10 | 13237   |
|       |        | 4A4   | 17.5    | 2.40 | 6.20  | 52   |    | 8.60  | 3.03 | 3235    |
|       |        | 4A4   | 22.5    | 8.80 | 14.10 | 138  |    | 22.90 | 3.50 | 4804    |
|       |        | 4A4   | 227.5   | 1.86 | 3.12  | 30   |    | 4.98  | 3.03 | 42049   |
|       |        | 4A4   | 866.0   | 1.58 | 1.85  | 27   |    | 3.43  | 2.97 | 156893  |
|       | 4E     | 4E4   | 250.0   | 4.63 | 7.90  | 82   |    | 12.53 | 4.19 | 63898   |
|       | 4E     | 4G0   | 87.5    | 3.07 | 5.90  | 60   |    | 8.97  | 4.36 | 23272   |
|       | 4E     | 4EG   | 765.0   | 2.61 | 3.65  | 46   |    | 6.26  | 3.83 | 178727  |
|       |        | 4EG   | 867.5   | 4.25 | 6.77  | 73   |    | 11.02 | 3.98 | 210612  |
|       | 4A     | 4A1   | 302.5   | 1.83 | 3.08  | 36   |    | 4.91  | 3.18 | 58679   |
|       | 4E     | 4ED   | 865.0   | 5.45 | 10.12 | 89   |    | 15.57 | 3.99 | 210532  |
|       |        | 4L4   | 190.0   | 2.45 | 2.40  | 33   |    | 4.85  | 3.35 | 38827   |
|       |        | 4AE   | 572.5   | 0.99 | 1.84  | 18   |    | 2.83  | 3.08 | 107561  |
|       |        | 4AE   | 160.0   | 4.04 | 6.45  | 72   |    | 10.49 | 3.73 | 36405   |
|       | 4E     | 4EG   | 330.0   | 3.17 | 3.27  | 42   |    | 6.44  | 3.93 | 79111   |
|       | 4E     | 4GE   | 327.5   | 2.70 | 2.28  | 32   |    | 4.98  | 3.99 | 79710   |
|       |        | 4G4   | 610.0   | 5.25 | 6.21  | 68   |    | 11.46 | 4.28 | 159259  |
|       |        | 4EDA  | 207.5   | 4.86 | 8.48  | 92   |    | 13.34 | 3.54 | 44808   |
| ===== |        |       |         |      |       |      |    |       |      |         |
| TOTAL |        |       | 24538.5 |      |       |      |    |       |      | 4892288 |

SUMMARY CHAF

| CUTOFF  | AREA  | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|---------|-------|------|------|----|------|----|-------|---------|
| Fb + Zn |       |      |      |    |      |    |       |         |
| 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 |

## SECTION B2W

GRUM DEFL

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     | 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     | 4A0    | 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    | 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    | 4G4    | 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    | 47.5   | 5.90 | 4.77  | 63  |      |    | 10.67 | 3.60 | 10431  |
| 32    | 4G4    | 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    | 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    | 4GAE   | 355.0  | 4.13 | 6.99  | 72  |      |    | 11.12 | 3.80 | 82289  |
| 49    | 4G0    | 195.0  | 2.40 | 4.15  | 42  |      |    | 6.55  | 3.60 | 42822  |

ew  
sums  
cap  
mudie

GRUM

|    |      |       |      |       |     |       |      |        |
|----|------|-------|------|-------|-----|-------|------|--------|
| 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 | 82350  |

=====

TOTAL

16547.2

3689643

SUMMARY CHART

| CUTOFF  | AREA  | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|---------|-------|------|------|----|------|----|-------|---------|
| Fb + Zn |       |      |      |    |      |    |       |         |
| 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 84W

GRUM DEF. IT

AREA OF  
INFLUENCE=

61 metres

MIN  
SNOWES  
CAP  
MINERALIZ.

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

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

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

4G0

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

4EG

220.0

3.32

4.67

55

7.99

3.60

48312

33

4E4

17.5

5.20

11.00

77

16.2

## SECTION 86W

## GRUM DEPL

AREA OF  
INFLUENCE=

61 metres

NEW  
GNOMES  
CAP  
MINERALIZ

| 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    | 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     | 4A0    |         | 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    | 4CG    | 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    | 4EG    | 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 |

Q R K P T  
R E S E R V E S  
S M M M A R Y

GRUM DEPOSIT  
OLK 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 |

OTHER PRIT  
RESERVES

- C E C T I O N S

## SECTION 62W

GRUM D. POSIT  
OLK PITAREA OF  
INFLUENCE=

61.00 metres

| BLOCK | FACIES | AREA  | Pb % | Zn %  | Ag  | Cu % | Au | Fb+Zn | S.G. | TONNES |
|-------|--------|-------|------|-------|-----|------|----|-------|------|--------|
| 1     | 4ED    | 422.5 | 6.36 | 13.29 | 103 |      |    | 19.65 | 3.68 | 94843  |
| 2     | 4AD    |       |      |       |     |      |    |       |      |        |
| 3     | 4EG    | 340.0 | 3.39 | 5.38  | 86  |      |    | 8.77  | 4.10 | 85034  |
| 4     | 4A4    |       |      |       |     |      |    |       |      |        |
| 5     | 4EL    |       |      |       |     |      |    |       |      |        |
| 6     | 4EA    |       |      |       |     |      |    |       |      |        |
| 7     | 4AD    |       |      |       |     |      |    |       |      |        |
| 8     | 4AK    |       |      |       |     |      |    |       |      |        |
| 9     | 4G4    |       |      |       |     |      |    |       |      |        |
| 10    | 4GE/5D |       |      |       |     |      |    |       |      |        |
| 11    | 4EA    |       |      |       |     |      |    |       |      |        |
| 12    | 4AC    |       |      |       |     |      |    |       |      |        |
| 13    | 4GE    |       |      |       |     |      |    |       |      |        |

TOTAL

762.5

179877

## SUMMARY CHART

| CUTOFF | Fb + Zn | AREA | Pb % | Zn % | Ag | Cu % | Au | Fb+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 D. SITT  
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     | 4CB    |        |      |       |     |      |    |       |      | 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     | 4GE    | 235.0  | 5.39 | 8.73  | 92  |      |    | 14.12 | 4.28 | 61354  |
| 8     | 4AGH   | 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    | 4GE    |        |      |       |     |      |    |       |      | 0      |
| 14    | 4GE    |        |      |       |     |      |    |       |      | 0      |
| 15    | 4GL    |        |      |       |     |      |    |       |      | 0      |
| 16    | 4A4    |        |      |       |     |      |    |       |      | 0      |
| 17    | 4A4    |        |      |       |     |      |    |       |      | 0      |
| 18    | 4A2    |        |      |       |     |      |    |       |      | 0      |
| 19    | 4CEG   |        |      |       |     |      |    |       |      | 0      |
| 20    | 4D4    |        |      |       |     |      |    |       |      | 0      |
| 21    | 4E*    |        |      |       |     |      |    |       |      | 0      |
| TOTAL |        | 1532.5 |      |       |     |      |    |       |      | 334599 |

## SUMMARY CHART

| CUTOFF         | AREA | Pb % | Zn %  | Ag | Cu % | Au | Pb+Zn | TONNES |
|----------------|------|------|-------|----|------|----|-------|--------|
| Pb + Zn<br>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 |

## SECTION 66W

GRUM L.L. OSIT  
OLK PITAREA OF  
INFLUENCE=

61.00 metres

| BLOCK | FACIES | AREA   | Pb %  | Zn %  | Ag  | Cu % | Au | Pb+Zn | S.G. | TONNES |
|-------|--------|--------|-------|-------|-----|------|----|-------|------|--------|
| 1     | 4EGL   | 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 | 47592  |
| 7     | 4AE    | 142.5  | 2.70  | 3.94  | 38  |      |    | 6.64  | 3.53 | 30685  |
| 8     | 4C0    |        |       |       |     |      |    |       |      | 0      |
| 9     | 4CD    | 32.5   | 3.75  | 4.79  | 65  |      |    | 8.54  | 3.34 | 6622   |
| 10    | 4EA    |        |       |       |     |      |    |       |      | 0      |
| 11    | 4EG    | 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    | 4GD    |        |       |       |     |      |    |       |      | 0      |
| 18    | 4D     |        |       |       |     |      |    |       |      | 0      |
| 19    | 4GE    |        |       |       |     |      |    |       |      | 0      |
| 20    | 4A0    |        |       |       |     |      |    |       |      | 0      |
| 21    | 4E0    |        |       |       |     |      |    |       |      | 0      |
| 22    | 4E8    |        |       |       |     |      |    |       |      | 0      |
| 23    | 4CE    |        |       |       |     |      |    |       |      | 0      |
| 24    | 4CE    |        |       |       |     |      |    |       |      | 0      |
| 25    | 4GE    |        |       |       |     |      |    |       |      | 0      |

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TOTAL

3017.5

659883

## SUMMARY CHART

| CUTOFF  | AREA | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES |
|---------|------|------|------|----|------|----|-------|--------|
| Pb + Zn |      |      |      |    |      |    |       |        |
| 7 %     | 2223 | 5.90 | 8.03 | 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 | 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    | 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    | 4G4    | 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 | 1795   |
| 18    | 4A4    |        |      |       |     |      |    |       |      | 0      |
| 19    | 4G4    |        |      |       |     |      |    |       |      | 0      |
| 20    | 4GE    |        |      |       |     |      |    |       |      | 0      |
| 21    | 4E     |        |      |       |     |      |    |       |      | 0      |
| 22    | 4ADC   |        |      |       |     |      |    |       |      | 0      |
| 23    | 4C0    |        |      |       |     |      |    |       |      | 0      |
| 24    | 4E4    |        |      |       |     |      |    |       |      | 0      |
| 25    | 4EB    |        |      |       |     |      |    |       |      | 0      |
| 26    | 4A0    |        |      |       |     |      |    |       |      | 0      |
| TOTAL |        | 2962.0 |      |       |     |      |    |       |      | 682193 |

## SUMMARY CHART

| CUTOFF | Pb + Zn | AREA | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES |
|--------|---------|------|------|------|----|------|----|-------|--------|
| 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  
OLK PITAREA OF  
INFLUENCE=

61.00 metres

| BLOCK | FACIES | AREA   | Pb % | Zn %  | Ag  | Cu % | Au | Pb+Zn | S.G. | TONNES  |
|-------|--------|--------|------|-------|-----|------|----|-------|------|---------|
| 1     | 4GE    | 57.5   | 7.39 | 8.53  | 123 |      |    | 15.92 | 4.06 | 14240   |
| 2     | 4GD    | 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 | 2.19 | 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  |        |      |       |     |      |    |       |      | 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    | 4EG    | 837.5  | 4.73 | 9.42  | 87  |      |    | 14.15 | 4.33 | 221209  |
| 15    | 4A0    |        |      |       |     |      |    |       |      | 0       |
| 16    | 4EG    | 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    | 4EG    | 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    | 4G4    | 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    | 4GED   |        |      |       |     |      |    |       |      | 0       |
| 35    | 4EB    |        |      |       |     |      |    |       |      | 0       |
| 36    | 4A0    |        |      |       |     |      |    |       |      | 0       |
| 37    | 4GE    |        |      |       |     |      |    |       |      | 0       |
| 38    | 4CB    |        |      |       |     |      |    |       |      | 0       |
| TOTAL |        | 7367.5 |      |       |     |      |    |       |      | 1656062 |

## SUMMARY CHART

| CUTOFF<br>Pb + Zn | 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 |

OLK PIT

## SECTION 72W

GRUM DEL. JSIT  
OLK 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     | 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 | 144515  |
| 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    | 4AO     |        |      |       |     |      |    |       |      | 0       |
| 14    | 4EG     | 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    | 4EG     | 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    | 4GE     | 177.5  | 6.28 | 7.02  | 101 |      |    | 13.30 | 4.23 | 45800   |
| 22    | 4GE     | 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    | 4EG     | 212.5  | 6.63 | 8.22  | 110 |      |    | 14.85 | 4.11 | 53276   |
| 25    | 4DE     | 912.5  | 4.41 | 6.81  | 77  |      |    | 11.22 | 4.81 | 267737  |
| 26    | 4EG     | 725.0  | 3.29 | 6.07  | 65  |      |    | 9.36  | 4.03 | 178227  |
| 27    | 4AO     |        |      |       |     |      |    |       |      | 0       |
| 28    | 4A4     | 77.5   | 6.36 | 12.73 | 102 |      |    | 19.09 | 3.60 | 17019   |
| 29    | 4CO     |        |      |       |     |      |    |       |      | 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    | 4AO     |        |      |       |     |      |    |       |      | 0       |
| 33    | 4DK     |        |      |       |     |      |    |       |      | 0       |
| 34    | 4EG     |        |      |       |     |      |    |       |      | 0       |
| 35    | 4A4     |        |      |       |     |      |    |       |      | 0       |
| 36    | 4ADE    |        |      |       |     |      |    |       |      | 0       |
| 37    | 4CD     |        |      |       |     |      |    |       |      | 0       |
| 38    | 4E1     |        |      |       |     |      |    |       |      | 0       |
| 39    | 4EG     |        |      |       |     |      |    |       |      | 0       |
| 40    | 4EG     |        |      |       |     |      |    |       |      | 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 |

## SECTION 74W

GRUM DEF .T  
OLK 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 | 43783  |
| 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    | 4EG    | 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    |        |      |       |     |      |    |       |      | 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    | 4EG    |        |      |       |     |      |    |       |      | 0      |
| 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    |        |      |       |     |      |    |       |      | 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    | 4G4    |        |      |       |     |      |    |       |      | 0      |
| 31    | 4AG    |        |      |       |     |      |    |       |      | 0      |
| 32    | 4L4    |        |      |       |     |      |    |       |      | 0      |
| 33    | 4GC    |        |      |       |     |      |    |       |      | 0      |
| 34    | 4EL*   |        |      |       |     |      |    |       |      | 0      |
| 35    | 4DB    |        |      |       |     |      |    |       |      | 0      |
| 36    | 4EG    |        |      |       |     |      |    |       |      | 0      |
| 37    | 4EC    |        |      |       |     |      |    |       |      | 0      |
| 38    | 4GD    | 105.0  | 6.30 | 9.79  | 118 |      |    | 16.09 | 4.05 | 25940  |
| 39    | 4EA    |        |      |       |     |      |    |       |      | 0      |
| 40    | 4EG    | 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

OLK PIT

SUMMARY CHE

| CUTOFF         | AREA  | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|----------------|-------|------|------|----|------|----|-------|---------|
| Pb + Zn<br>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 DELIMIT  
OLK 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     |        |      |       |     |      |    |       |      | 0      |
| 4     | 4AD     | 1127.5 | 3.10 | 5.87  | 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    | 4EG     | 37.5   | 7.17 | 17.31 | 108 |      |    | 24.48 | 4.37 | 9996   |
| 14    | 4FL     | 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     | 255.0  | 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    | 4G      |        |      |       |     |      |    |       |      | 0      |
| 23    | 4L4     | 17.5   | 1.98 | 2.05  | 36  |      |    | 4.03  | 3.38 | 3608   |
| 24    | 4EG     | 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    | 4EG     |        |      |       |     |      |    |       |      | 0      |
| 30    | 4A1     |        |      |       |     |      |    |       |      | 0      |
| 31    | 4A1     |        |      |       |     |      |    |       |      | 0      |
| 32    | 4AE     |        |      |       |     |      |    |       |      | 0      |
| 33    | 4GE     |        |      |       |     |      |    |       |      | 0      |
| 34    | 4EA     |        |      |       |     |      |    |       |      | 0      |
| 35    | 4E4     |        |      |       |     |      |    |       |      | 0      |
| 36    | 4E*4    |        |      |       |     |      |    |       |      | 0      |
| 37    | 4GL     |        |      |       |     |      |    |       |      | 0      |
| 38    | 4GE     |        |      |       |     |      |    |       |      | 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 |

## SECTION 20W

GRUM DEL 11  
OLK PITAREA 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/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     |        |      |       |     |      |    |       |      | 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    | 4EG     |        |      |       |     |      |    |       |      | 0      |
| 44    | 4AG     |        |      |       |     |      |    |       |      | 0      |
| 45    | 4AE     |        |      |       |     |      |    |       |      | 0      |
| 46    | 4E8     |        |      |       |     |      |    |       |      | 0      |
| 47    | 4A0     |        |      |       |     |      |    |       |      | 0      |

OLK PIT

|       |         |         |
|-------|---------|---------|
| 49    | 4A      | 0       |
|       | 4LG     | 0       |
| ----- |         |         |
| TOTAL | 10835.0 | 2091391 |

SUMMARY CHART

| CUTOFF<br>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 80W

GRUM DE: AT  
OLK PITAREA OF  
INFLUENCE=

61 metres

| BLOCK | FACIES | AREA    | Pb % | Zn % | Ag  | Cu % | Au | Pb+Zn | S.G. | TUNNES  |
|-------|--------|---------|------|------|-----|------|----|-------|------|---------|
| 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    | 4EG    | 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    | 4EG    | 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    | 4G0    |         |      |      |     |      |    |       |      | 0       |
| 36    | 4EG    |         |      |      |     |      |    |       |      | 0       |
| 37    | 4EG    |         |      |      |     |      |    |       |      | 0       |
| 38    | 4A1    |         |      |      |     |      |    |       |      | 0       |
| 39    | 4ED    |         |      |      |     |      |    |       |      | 0       |
| 40    | 4L4    |         |      |      |     |      |    |       |      | 0       |
| 41    | 4AE    |         |      |      |     |      |    |       |      | 0       |
| 42    | 4AE    |         |      |      |     |      |    |       |      | 0       |
| 43    | 4EG    |         |      |      |     |      |    |       |      | 0       |
| 44    | 4GE    |         |      |      |     |      |    |       |      | 0       |
| 45    | 4G4    |         |      |      |     |      |    |       |      | 0       |
| 46    | 4EDA   | 192.5   | 4.86 | 8.48 | 92  |      |    | 13.34 | 3.54 | 41568   |
| TOTAL |        | 11788.0 |      |      |     |      |    |       |      | 2269232 |

OLK PIT

## SUMMARY OF

| CUTOFF<br>Pb + Zn | AREA  | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|-------------------|-------|------|------|----|------|----|-------|---------|
| 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 82W

GRUM DEL BIT  
OLK FITAREA 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     | 4AD    |        |      |       |     |      |    |       |      | 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    | 4G4    | 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    | 4GAE   |        |      |       |     |      |    |       |      | 0      |
| 49    | 4G0    |        |      |       |     |      |    |       |      | 0      |

OLK FIT

|    |      |   |
|----|------|---|
| 5  | 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 |
|-------|--------|---------|

SUMMARY CHART

| CUTOFF<br>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 1T  
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 | 356850 |
| 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    | 4G0     |        |      |      |    |      |    |       |      | 0      |
| 22    | 4E4     |        |      |      |    |      |    |       |      | 0      |
| 23    | 4A4     |        |      |      |    |      |    |       |      | 0      |
| 24    | 4AGE    |        |      |      |    |      |    |       |      | 0      |
| 25    | 4E4/5A9 |        |      |      |    |      |    |       |      | 0      |
| 26    | 4AE     |        |      |      |    |      |    |       |      | 0      |
| 27    | 4GE     |        |      |      |    |      |    |       |      | 0      |
| 28    | 4GE     |        |      |      |    |      |    |       |      | 0      |
| 29    | 4EG     |        |      |      |    |      |    |       |      | 0      |
| 30    | 4A4     |        |      |      |    |      |    |       |      | 0      |
| 31    | 4A0     |        |      |      |    |      |    |       |      | 0      |
| 32    | 4EG     |        |      |      |    |      |    |       |      | 0      |
| 33    | 4E4     |        |      |      |    |      |    |       |      | 0      |
| 34    | 4EB     |        |      |      |    |      |    |       |      | 0      |

TOTAL

5373.0

1179911

## SUMMARY CHART

| CUTOFF<br>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 86W

GRUM DEL  
OLK PITAREA OF  
INFLUENCE=

61 metres

| BLOCK | FACIES | AREA   | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | S.G. | TONNES |
|-------|--------|--------|------|------|----|------|----|-------|------|--------|
| 1     | 4CD    |        |      |      |    |      |    |       |      | 0      |
| 2     | 4A0    |        |      |      |    |      |    |       |      | 0      |
| 3     | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 4     | 4AE    | 25.0   | 2.05 | 4.32 | 40 |      |    | 6.37  | 3.60 | 5490   |
| 5     | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 6     | 4A0    |        |      |      |    |      |    |       |      | 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    | 4CG    |        |      |      |    |      |    |       |      | 0      |
| 12    | 4E4    |        |      |      |    |      |    |       |      | 0      |
| 13    | 4AE    |        |      |      |    |      |    |       |      | 0      |
| 14    | 4A0    |        |      |      |    |      |    |       |      | 0      |
| 15    | 4AE    |        |      |      |    |      |    |       |      | 0      |
| 16    | 4D5    |        |      |      |    |      |    |       |      | 0      |
| 17    | 4C0    |        |      |      |    |      |    |       |      | 0      |
| 18    | 4D4    |        |      |      |    |      |    |       |      | 0      |
| 19    | 4D4    |        |      |      |    |      |    |       |      | 0      |
| 20    | 4D0    |        |      |      |    |      |    |       |      | 0      |
| 21    | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 22    | 4DL    |        |      |      |    |      |    |       |      | 0      |
| 23    | 4D0    |        |      |      |    |      |    |       |      | 0      |
| 24    | 4G4    |        |      |      |    |      |    |       |      | 0      |
| 25    | 4A0    |        |      |      |    |      |    |       |      | 0      |
| 26    | 4AE    |        |      |      |    |      |    |       |      | 0      |
| 27    | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 28    | 4GA    |        |      |      |    |      |    |       |      | 0      |
| 29    | 4AG    |        |      |      |    |      |    |       |      | 0      |
| 30    | 4GL    |        |      |      |    |      |    |       |      | 0      |
| 31    |        |        |      |      |    |      |    |       |      | 0      |
| 32    | 4E4    |        |      |      |    |      |    |       |      | 0      |
| 33    | 4A0    |        |      |      |    |      |    |       |      | 0      |
| 34    | 4EG    |        |      |      |    |      |    |       |      | 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<br>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 |

OLK PITT

WASTE / VOLUME

CALENDAR

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 |

- Area - 153

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5610570

GRUM - DLK PIT

WASTE VOLUME  
CALCULATIONS

| AREA OF<br>INFLUENCE = 61 METRES | SECTION | AREA  | ROCK<br>VOLUME | ORE<br>TONNAGE | OVERBURDEN<br>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 <i>Rock</i> | 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 <i>Rock</i> | 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

OLK PIT

SECTION 64W

AREA OF  
INFLUENCE=

61.00 metres

| BLOCK | VOLUME | TONNAGE | Fb+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  |

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|      |       |        |       |
|------|-------|--------|-------|
| SUM= | 93483 | 334599 | 12.67 |
|------|-------|--------|-------|

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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 |

OLK 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 |

OLK PIT

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    | 547    | 1755    | 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=  | 180662 | 682193  | 11.85 |

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  | 30457   | 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    | 14462  | 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   | 23019   | 5.75  |
| 25    | 9150   | 36509   | 5.14  |
| 26    | 0      | 0       | 0.00  |
| 27    | 4850   | 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= | 445418 | 1656062 | 11.67 |
|------|--------|---------|-------|

## 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    | 5642   | 22231   | 9.48  |
| 17    | 0      | 0       | 0.00  |
| 18    | 16017  | 67692   | 11.94 |
| 19    | 10980  | 35505   | 4.95  |
| 20    | 0      | 0       | 0.00  |
| 21    | 10828  | 45800   | 13.30 |
| 22    | 8998   | 36530   | 10.48 |
| 23    | 3050   | 11635   | 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    | 1230   | 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  |

OLK PIT

BT

CU

ZU

BW

OLK PIT

SECTION 74W

AREA OF  
INFLUENCE=

61 metres

| BLOCK         | VOLUME | TONNAGE | Pb+Zn |
|---------------|--------|---------|-------|
| 1             | 60543  | 178200  | 4.08  |
| 2             | 29585  | 96447   | 7.78  |
| 3             | 21808  | 74146   | 15.79 |
| 4             | 40565  | 128752  | 10.93 |
| 5             | 37668  | 119783  | 8.42  |
| 6             | 11895  | 34139   | 5.82  |
| 7             | 68778  | 210409  | 6.11  |
| 8             | 0      | 0       | 0     |
| 9             | 18605  | 73304   | 21.72 |
| 10            | 13725  | 40783   | 7.58  |
| 11            | 25620  | 78397   | 8.54  |
| 12            | 0      | 0       | 0     |
| 13            | 21808  | 83523   | 17.09 |
| 14            | 28333  | 96930   | 10.78 |
| 15            | 3755   | 11407   | 5.58  |
| 16            | 20485  | 74588   | 7.37  |
| 17            | 0      | 0       | 0     |
| 18            | 11041  | 37328   | 5.24  |
| 19            | 0      | 0       | 0     |
| 20            | 3381   | 9696    | 15.54 |
| 21            | 0      | 0       | 0     |
| 22            | 0      | 0       | 0     |
| 23            | 28971  | 97436   | 15.27 |
| 24            | 13571  | 46011   | 6.68  |
| 25            | 33247  | 98738   | 8.31  |
| 26            | 0      | 0       | 0     |
| 27            | 23761  | 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            | 6408   | 25940   | 16.09 |
| 39            | 0      | 0       | 0     |
| 40            | 64960  | 268387  | 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     |
| =====<br>SUM= | 649459 | 2154157 | 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  | 46532   | 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  | 95278   | 10.83 |
| 8     | 10523  | 31252   | 10.31 |
| 7     | 0      | 0       | 0     |
| 10    | 102938 | 423073  | 17.16 |
| 11    | 0      | 0       | 0     |
| 12    | 7625   | 22494   | 8.76  |
| 13    | 2288   | 5776    | 24.48 |
| 14    | 1830   | 6158    | 12.85 |
| 15    | 66185  | 196569  | 6.75  |
| 16    | 0      | 0       | 0     |
| 17    | 40712  | 134775  | 11.26 |
| 18    | 0      | 0       | 0     |
| 19    | 15555  | 56243   | 12.18 |
| 20    | 13420  | 43863   | 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   | 6329    | 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     |
| ===== |        |         |       |
| SUM=  | 645839 | 2098134 | 9.81  |

OLK PIT

## SECTION 78W

AREA OF  
INFLUENCE=

in metres

| BLOCK | VOLUME | TONNAGE | Pb+Zn |
|-------|--------|---------|-------|
| 1     | 83113  | 241026  | 5     |
| 2     | 15555  | 51954   | 8     |
| 3     | 148035 | 450061  | 9     |
| 4     | 0      | 0       | 0     |
| 5     | 913    | 3006    | 8     |
| 6     | 1373   | 4554    | 5     |
| 7     | 18910  | 60134   | 7     |
| 8     | 10218  | 33020   | 8     |
| 9     | 13878  | 48105   | 17    |
| 10    | 16165  | 48257   | 5     |
| 11    | 0      | 0       | 0     |
| 12    | 51009  | 165514  | 9     |
| 13    | 17538  | 55945   | 4     |
| 14    | 42700  | 125765  | 5     |
| 15    | 0      | 0       | 0     |
| 16    | 31588  | 95905   | 7     |
| 17    | 17538  | 55945   | 13    |
| 18    | 0      | 0       | 0     |
| 19    | 0      | 0       | 0     |
| 20    | 0      | 0       | 0     |
| 21    | 11173  | 33398   | 7     |
| 22    | 6100   | 21472   | 25    |
| 23    | 0      | 0       | 0     |
| 24    | 11590  | 33263   | 6     |
| 25    | 0      | 0       | 0     |
| 26    | 63573  | 242257  | 17    |
| 27    | 63878  | 201777  | 7     |
| 27A   | 3009   | 15433   | 11    |
| 28    | 0      | 0       | 0     |
| 29    | 9717   | 32812   | 4     |
| 30A   | 0      | 0       | 0     |
| 30    | 0      | 0       | 0     |
| 31    | 0      | 0       | 0     |
| 32    | 0      | 0       | 0     |
| 33    | 0      | 0       | 0     |
| 34    | 22113  | 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     |

=====

SP-1=

660931

2091871

8.92

SECTION BOW

AREA OF  
INFLUENCE=

61 metres

| BLOCK | VOLUME | TONNAGE | Pb+Zn |
|-------|--------|---------|-------|
| 1     | 64680  | 195920  | 5.89  |
| 2     | 80925  | 273997  | 4.88  |
| 3     | 34180  | 103505  | 7.66  |
| 4     | 0      | 0       | 0     |
| 5     | 46515  | 140933  | 7.63  |
| 6     | 18710  | 54033   | 6.22  |
| 7     | 5245   | 16071   | 6.39  |
| 8     | 0      | 0       | 0     |
| 9     | 21380  | 61702   | 8.95  |
| 10    | 9735   | 28251   | 5.44  |
| 11    | 0      | 0       | 0     |
| 12    | 35685  | 114966  | 6.964 |
| 13    | 10375  | 31451   | 8.21  |
| 14    | 137465 | 395719  | 5.16  |
| 15    | 0      | 0       | 0     |
| 16    | 43425  | 133045  | 6.63  |
| 17    | 53080  | 166645  | 9.51  |
| 18    | 20270  | 95471   | 12    |
| 19    | 0      | 0       | 0     |
| 20    | 25165  | 98134   | 13.26 |
| 21    | 0      | 0       | 0     |
| 22    | 12810  | 44723   | 7.99  |
| 23    | 14945  | 66004   | 13.58 |
| 24    | 4575   | 18026   | 7     |
| 25    | 21535  | 60292   | 5.2   |
| 26    | 36755  | 124439  | 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    | 11745  | 41569   | 13.34 |

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SUM= 719080 2269232 7.57

SECTION 82W

OLK 117

AREA OF  
INFLUENCE=

0.1 metres

| BLOCK | VOLUME | TONNAGE | Pb+Zn |
|-------|--------|---------|-------|
| 1     | 48495  | 174582  | 7.26  |
| 2     | 0      | 0       | 0     |
| 3     | 3538   | 12737   | 7.08  |
| 4     | 5185   | 18686   | 21.14 |
| 5     | 2575   | 9353    | 9.2   |
| 6     | 9760   | 35136   | 6.64  |
| 7     | 0      | 0       | 0     |
| 8     | 5105   | 18686   | 12.2  |
| 9     | 0      | 0       | 0     |
| 10    | 0      | 0       | 0     |
| 11    | 8672   | 31293   | 4.43  |
| 12    | 15311  | 55129   | 7     |
| 13    | 31017  | 112135  | 4.66  |
| 14    | 67712  | 243784  | 5.19  |
| 15    | 3262   | 11579   | 10.37 |
| 16    | 19778  | 71519   | 6.03  |
| 17    | 5132   | 18366   | 4.15  |
| 18    | 0      | 0       | 0     |
| 19    | 0      | 0       | 0     |
| 20    | 0      | 0       | 0     |
| 21    | 14688  | 53158   | 8.41  |
| 22    | 10838  | 38777   | 11.31 |
| 23    | 2771   | 9772    | 12.62 |
| 24    | 0      | 0       | 0     |
| 25    | 25011  | 90126   | 4.25  |
| 26    | 19078  | 65776   | 11.95 |
| 27    | 0      | 0       | 0     |
| 28    | 0      | 0       | 0     |
| 29    | 5111   | 18771   | 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    | 0      | 0       | 0     |
| 37    | 1987   | 6542    | 13.92 |
| 38    | 8677   | 31293   | 11.17 |
| 39    | 19016  | 65417   | 5.05  |
| 40    | 2188   | 7851    | 11.7  |
| 41    | 0      | 0       | 0     |
| 42    | 0      | 0       | 0     |
| 43    | 14071  | 50308   | 4.55  |
| 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     |

8000=

340000

124050

6.89





ALTERNATIVE P/T

RESERVES

SUMMARY

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 |

MULTIBERNATE PIT

RESEAROWSES

VECTORS

## SECTION 62W

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     | 4EG    | 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     | 4G4    |       |      |       |     |      |    |       |      | 0      |
| 10    | 4GE/5D |       |      |       |     |      |    |       |      | 0      |
| 11    | 4EA    |       |      |       |     |      |    |       |      | 0      |
| 12    | 4AC    |       |      |       |     |      |    |       |      | 0      |
| 13    | 4GE    |       |      |       |     |      |    |       |      | 0      |
| TOTAL |        | 871.0 |      |       |     |      |    |       |      | 202679 |

## SUMMARY CHART

| CUTOFF         | AREA | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES |
|----------------|------|------|------|----|------|----|-------|--------|
| Pb + Zn<br>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 |

ALT PIT

GRUM DEPOSIT  
ALTERNATE PIT

SECTION 64W

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            | 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           | 4GE    | 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           | 4CEG   |               |      |       |     |      |    |       |      | 0             |
| 20           | 4D4    |               |      |       |     |      |    |       |      | 0             |
| 21           | 4E*    |               |      |       |     |      |    |       |      | 0             |
| <b>TOTAL</b> |        | <b>3931.5</b> |      |       |     |      |    |       |      | <b>864147</b> |

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 DEPOSIT  
ALTERNATE PITAREA 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  |      |    | 15.44 | 3.84 | 250051 |
| 5     | 4AD    | 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    | 4EG    | 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    | 4GE    | 707.5  | 4.07  | 4.97  | 67  |      |    | 9.04  | 4.10 | 176946 |
| 20    | 4AD    | 206.0  | 0.98  | 1.64  | 27  |      |    | 2.62  | 2.95 | 37070  |
| 21    | 4EO    | 37.0   | 0.97  | 1.16  | 22  |      |    | 2.13  | 4.10 | 9254   |
| 22    | 4E8    | 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  | AREA | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|---------|------|------|------|----|------|----|-------|---------|
| Pb + Zn |      |      |      |    |      |    |       |         |
| 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 DEPOSIT  
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     | 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    | 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  | 7.55 | 6.63  | 96  |      |    | 14.18 | 3.34 | 25977  |
| 15    | 4EK    | 492.5  | 4.38 | 3.68  | 66  |      |    | 8.06  | 4.15 | 124676 |
| 16    | 4G4    | 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    | 4GE    | 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    | 4E8    |        |      |       |     |      |    |       |      | 0      |
| 26    | 4A0    |        |      |       |     |      |    |       |      | 0      |

TOTAL

7900.5

1697815

## SUMMARY CHART

| CUTOFF  | AREA | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|---------|------|------|------|----|------|----|-------|---------|
| Pb + Zn |      |      |      |    |      |    |       |         |
| 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 70W

GRUM DEPOSIT  
ALTERNATE PITAREA OF  
INFLUENCE=

61.00 metres

| BLOCK | FACIES | AREA   | Pb % | Zn %  | Ag  | Cu % | Au | Pb+Zn | S.G. | TONNES |
|-------|--------|--------|------|-------|-----|------|----|-------|------|--------|
| 1     | 4GK    | 57.5   | 7.39 | 8.53  | 123 |      |    | 15.92 | 4.06 | 14240  |
| 2     | 4GD    | 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     | 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    | 4EG    | 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    | 4EG    | 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    | 4EG    | 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    | 4G4    | 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    | 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    | 4A0    |        |      |       |     |      |    |       |      | 0      |
| 37    | 4GE    |        |      |       |     |      |    |       |      | 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 72W

GRUM POSIT  
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    | 4EG     | 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    | 4EG     | 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    | 4GE     | 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    | 4EG     | 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    | 4EG     | 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    | 4EG     |         |      |       |     |      |    |       |      | 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    | 4EG     |         |      |       |     |      |    |       |      | 0       |
| 40    | 4EG     |         |      |       |     |      |    |       |      | 0       |
| TOTAL |         | 11462.0 |      |       |     |      |    |       |      | 2455363 |

## SUMMARY CHART

| CUTOFF | Pb + Zn | AREA  | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|--------|---------|-------|------|------|----|------|----|-------|---------|
| 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

GRUM DEPOSIT  
ALTERNATE PIT

SECTION 74W

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 | 83523  |
| 14    | 4EG    | 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    | 4EG    | 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    | 4G4    |        |      |       |     |      |    |       |      | 0      |
| 31    | 4AG    |        |      |       |     |      |    |       |      | 0      |
| 32    | 4L4    |        |      |       |     |      |    |       |      | 0      |
| 33    | 4GC    |        |      |       |     |      |    |       |      | 0      |
| 34    | 4EL*   |        |      |       |     |      |    |       |      | 0      |
| 35    | 4D8    |        |      |       |     |      |    |       |      | 0      |
| 36    | 4EG    |        |      |       |     |      |    |       |      | 0      |
| 37    | 4EC    |        |      |       |     |      |    |       |      | 0      |
| 38    | 4GD    | 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    | 4EG    | 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    | 4C0    |        |      |       |     |      |    |       |      | 0      |
| 46    | 4DL    |        |      |       |     |      |    |       |      | 0      |

TOTAL

15808.0

3241453

ALT PIT

SUMMARY CHART

| CUTOFF<br>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 |

## SECTION 76W

GRUM DEPOSIT  
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 | 6.70  | 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    | 4EG     | 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 | 175157 |
| 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    | 4G      |        |      |       |     |      |    |       |      | 0      |
| 23    | 4L4     | 17.5   | 1.98 | 2.05  | 36  |      |    | 4.03  | 3.38 | 3608   |
| 24    | 4EG     | 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    | 4G4     | 20.0   | 6.20 | 9.60  | 121 |      |    | 15.80 | 4.18 | 5100   |
| 29    | 4EG     | 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     | 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  |      |    | 9.35  | 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    | 4GE     |        |      |       |     |      |    |       |      | 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

## SECTION 7BW

GRUM DEPOSIT  
ALTERNATE PITAREA 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/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     | 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    | 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    | 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    | 4EG     |        |      |       |     |      |    |       |      | 0      |
| 44    | 4AG     |        |      |       |     |      |    |       |      | 0      |
| 45    | 4AE     |        |      |       |     |      |    |       |      | 0      |
| 46    | 4EB     |        |      |       |     |      |    |       |      | 0      |
| 47    | 4A0     |        |      |       |     |      |    |       |      | 0      |

ALT PIT

48  
49

4A  
4LG

0

TOTAL

16926.5

3328663

SUMMARY CHART

| CUTOFF<br>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 ROW

GRUM DEPOSIT  
ALTERNATE PITAREA 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 | 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    | 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  | 385.0   | 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    | 4EG    | 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    | 4EG    | 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    | 4G0    | 87.5    | 3.07 | 5.90  | 60  |      |    | 8.97  | 4.36 | 23272   |
| 36    | 4EG    | 765.0   | 2.61 | 3.65  | 46  |      |    | 6.26  | 3.83 | 178727  |
| 37    | 4EG    | 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    | 4EG    |         |      |       |     |      |    |       |      | 0       |
| 44    | 4GE    |         |      |       |     |      |    |       |      | 0       |
| 45    | 4G4    |         |      |       |     |      |    |       |      | 0       |
| 46    | 4EDA   |         |      |       |     |      |    |       |      | 0       |
| TOTAL |        | 21448.5 |      |       |     |      |    |       |      | 4207463 |

ALT PIT

## SUMMARY CH

| CUTOFF<br>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 B2W

GRUM DEPOSIT  
ALTERNATE PITAREA OF  
INFLUENCE=

61 metres

| BLOCK | FACIES | AREA   | Pb % | Zn %  | Ag  | Cu % | Au | Fb+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    | 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    | 4G4    | 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    | 4G4    | 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    | 4GAE   |        |      |       |     |      |    |       |      | 0      |
| 49    | 4G0    |        |      |       |     |      |    |       |      | 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  | AREA  | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES  |
|---------|-------|------|------|----|------|----|-------|---------|
| Pb + Zn |       |      |      |    |      |    |       |         |
| 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 |

## SECTION 84W

GRUM DEF PIT  
ALTERNATE PITAREA 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 | 55 |      |    | 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    | 4G0     |        |      |      |    |      |    |       |      | 0      |
| 22    | 4E4     |        |      |      |    |      |    |       |      | 0      |
| 23    | 4A4     |        |      |      |    |      |    |       |      | 0      |
| 24    | 4AGE    |        |      |      |    |      |    |       |      | 0      |
| 25    | 4E4/5A9 |        |      |      |    |      |    |       |      | 0      |
| 26    | 4AE     |        |      |      |    |      |    |       |      | 0      |
| 27    | 4GE     |        |      |      |    |      |    |       |      | 0      |
| 28    | 4GE     |        |      |      |    |      |    |       |      | 0      |
| 29    | 4EG     |        |      |      |    |      |    |       |      | 0      |
| 30    | 4A4     |        |      |      |    |      |    |       |      | 0      |
| 31    | 4A0     |        |      |      |    |      |    |       |      | 0      |
| 32    | 4EG     |        |      |      |    |      |    |       |      | 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

## SECTION 60W

GRUM DEPOSIT  
ALTERNATE PITAREA OF  
INFLUENCE=

61 metres

| BLOCK | FACIES | AREA   | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | S.G. | TONNES |
|-------|--------|--------|------|------|----|------|----|-------|------|--------|
| 1     | 4CD    |        |      |      |    |      |    |       |      | 0      |
| 2     | 4A0    |        |      |      |    |      |    |       |      | 0      |
| 3     | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 4     | 4AE    |        |      |      |    |      |    |       |      | 0      |
| 5     | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 6     | 4A0    |        |      |      |    |      |    |       |      | 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    | 4CG    |        |      |      |    |      |    |       |      | 0      |
| 12    | 4E4    |        |      |      |    |      |    |       |      | 0      |
| 13    | 4AE    |        |      |      |    |      |    |       |      | 0      |
| 14    | 4A0    |        |      |      |    |      |    |       |      | 0      |
| 15    | 4AE    |        |      |      |    |      |    |       |      | 0      |
| 16    | 4D5    |        |      |      |    |      |    |       |      | 0      |
| 17    | 4C0    |        |      |      |    |      |    |       |      | 0      |
| 18    | 4D4    |        |      |      |    |      |    |       |      | 0      |
| 19    | 4D4    |        |      |      |    |      |    |       |      | 0      |
| 20    | 4D0    |        |      |      |    |      |    |       |      | 0      |
| 21    | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 22    | 4DL    |        |      |      |    |      |    |       |      | 0      |
| 23    | 4D0    |        |      |      |    |      |    |       |      | 0      |
| 24    | 4B4    |        |      |      |    |      |    |       |      | 0      |
| 25    | 4A0    |        |      |      |    |      |    |       |      | 0      |
| 26    | 4AE    |        |      |      |    |      |    |       |      | 0      |
| 27    | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 28    | 4GA    |        |      |      |    |      |    |       |      | 0      |
| 29    | 4AG    |        |      |      |    |      |    |       |      | 0      |
| 30    | 4GL    |        |      |      |    |      |    |       |      | 0      |
| 31    |        |        |      |      |    |      |    |       |      | 0      |
| 32    | 4E4    |        |      |      |    |      |    |       |      | 0      |
| 33    | 4A0    |        |      |      |    |      |    |       |      | 0      |
| 34    | 4EG    |        |      |      |    |      |    |       |      | 0      |
| 35    | 4A4    |        |      |      |    |      |    |       |      | 0      |
| 36    | 4LB    |        |      |      |    |      |    |       |      | 0      |
| TOTAL |        | 3570.0 |      |      |    |      |    |       |      | 783972 |

## SUMMARY CHART

| CUTOFF         | AREA | Pb % | Zn % | Ag | Cu % | Au | Pb+Zn | TONNES |
|----------------|------|------|------|----|------|----|-------|--------|
| Pb + Zn<br>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

ALYSEON ATE PPT

WASTE VOLUNT

ADIRLATA

## GRUM - ALTERNATE PIT

WASTE VOLUME  
CALCULATIONS

&gt;=3% Pb + Zn

AREA OF  
INFLUENCE = 61 METRES

| SECTION | AREA   | ROCK<br>VOLUME | ORE<br>TONNAGE | OVERBURDEN<br>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               |

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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

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

| SECTION | AREA   | ROCK<br>VOLUME | ORE<br>TONNAGE | OVERBURDEN<br>VOLUME |
|---------|--------|----------------|----------------|----------------------|
| 5BW     | 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 ORE 6,889,111 (see VOL CALC)  
 TOTAL VOLUME OF WASTE 54,620,605 VOL OF ROCK - VOL OF ORE  
 WASTE/ORE 7.93  
 O/B+WASTE : ORE 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) + ORE TON  
 TOTAL TONNAGE OF WASTE 149,660,458 VOL OF WASTE x 2.74  
 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

GRUM - ALTERNATE PIT

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

| SECTION | AREA   | ROCK<br>VOLUME | ORE<br>TONNAGE | OVERBURDEN<br>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  | 76,680,000 |
| 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 15M m<sup>3</sup> added.  
for RAMP

|                        |             |
|------------------------|-------------|
| TOTAL TONNAGE OF PIT   | 237,248,740 |
| TOTAL TONNAGE OF O/B   | 23,825,063  |
| 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        |

RATIO VOLUME/TONNAGE (M<sup>3</sup>/TONNE) 3.70

ALT PIT

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      |

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TOTAL VOLUME 6889111

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

> 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%

SECTION 62W                      ALTERNATE  
PIT

AREA OF INFLUENCE    61.00 metres                      3%

| BLOCK | VOLUME | TONNAGE | Pb+Zn |
|-------|--------|---------|-------|
| 1     | 27145  | 99894   | 19.7  |
| 2     | 4270   | 13749   | 1.9   |
| 3     | 21716  | 89036   | 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=            53131    202679    13.66

                 48861    188929

                 48861    188929

>3%

>4%

## SECTION 64W

ALTERNATE  
PITAREA OF  
INFLUENCE 61.00 metres

| BLOCK | VOLUME | TONNAGE | Pb+Zn |
|-------|--------|---------|-------|
| 1     | 66338  | 209627  | 4.67  |
| 2     | 31415  | 119691  | 18.48 |
| 3     | 7168   | 23581   | 14.09 |
| 4     | 14274  | 52100   | 3.84  |
| 5     | 8388   | 25414   | 9.57  |
| 6     | 4575   | 13496   | 9.40  |
| 7     | 12444  | 53260   | 14.12 |
| 8     | 6283   | 24315   | 6.91  |
| 9     | 0      | 0       | 0.00  |
| 10    | 0      | 0       | 0.00  |
| 11    | 0      | 0       | 0.00  |
| 12    | 6527   | 23040   | 3.02  |
| 13    | 46116  | 193687  | 11.79 |
| 14    | 9760   | 37088   | 11.94 |
| 15    | 2288   | 8349    | 6.19  |
| 16    | 21960  | 73566   | 4.80  |
| 17    | 2288   | 6931    | 6.90  |
| 18    | 0      | 0       | 0.00  |
| 19    | 0      | 0       | 0.00  |
| 20    | 0      | 0       | 0.00  |
| 21    | 0      | 0       | 0.00  |
| ===== |        |         |       |
| SUM=  | 239822 | 864147  | 9.56  |
|       | 239822 | 864147  | >3%   |
|       | 219021 | 789006  | >4%   |

ALT PIT

SECTION 66W                      ALTERNATE  
PIT

AREA OF INFLUENCE    61,000 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  |

356393 1307151  
356393 1307151

>3%  
>4%

## SECTION 68W

ALTERNATE  
FITAREA 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  |

=====

| SUM= | 481931 | 1697815 | 8.93 |
|------|--------|---------|------|
|      | 336812 | 1257851 |      |
|      | 336812 | 1257851 |      |

73%

74%

## SECTION 70W

ALTERNATE  
FITAREA 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  | 164934  | 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  |

SUM=

673166 2408666 9.98

616832 2233999 &gt; 3%

582672 2123853 &gt; 4%

ALT FIT

## SECTION 72W

ALTERNATE  
PIT

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     | 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   | 7.16  |     |
| 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=  | 699182 | 2455363 | 8.73  |     |
|       | 636139 | 2265054 |       | 73% |
|       | 573614 | 2065863 |       | 74% |

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     | 40565  | 125752  | 10.93 |
| 5     | 37668  | 119783  | 8.42  |
| 6     | 11895  | 34139   | 5.62  |
| 7     | 68778  | 210459  | 6.11  |
| 8     | 34770  | 101528  | 3.78  |
| 9     | 18605  | 73304   | 21.72 |
| 10    | 13725  | 43783   | 7.58  |
| 11    | 25620  | 78397   | 8.54  |
| 12    | 35345  | 111346  | 2.74  |
| 13    | 21908  | 83523   | 17.09 |
| 14    | 23333  | 96630   | 10.78 |
| 15    | 3355   | 11407   | 5.58  |
| 16    | 20435  | 74888   | 7.37  |
| 17    | 5033   | 15299   | 2.89  |
| 18    | 11895  | 35328   | 5.24  |
| 19    | 8083   | 24490   | 2.96  |
| 20    | 3355   | 9696    | 15.54 |
| 21    | 3203   | 9063    | 2.75  |
| 22    | 24705  | 103020  | 9.97  |
| 23    | 26975  | 97936   | 15.27 |
| 24    | 13573  | 46011   | 6.68  |
| 25    | 33245  | 98738   | 8.31  |
| 26    | 27603  | 76183   | 2.39  |
| 27    | 22265  | 62342   | 4.77  |
| 28    | 65083  | 216719  | 6.55  |
| 29    | 16065  | 36497   | 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  | 63232   | 16.09 |
| 39    | 3050   | 10492   | 6.57  |
| 40    | 111478 | 457058  | 10.8  |
| 41    | 42090  | 164151  | 12.34 |
| 42    | 35333  | 130760  | 8.95  |
| 43    | 14518  | 42973   | 2.79  |
| 44    | 6660   | 11236   | 3.15  |
| 45    | 0      | 0       | 0     |
| 46    | 0      | 0       | 0     |

---

|      |        |         |      |
|------|--------|---------|------|
| SUM= | 964288 | 3241453 | 9.00 |
|------|--------|---------|------|

|  |        |         |     |
|--|--------|---------|-----|
|  | 866505 | 2962099 | 73% |
|--|--------|---------|-----|

|  |        |         |     |
|--|--------|---------|-----|
|  | 828075 | 2849334 | 74% |
|--|--------|---------|-----|

ALT PIT

ALTERNATE  
FIT

SECTION 76W

AREA 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   | 176369  | 6.75  |
| 16    | 41785   | 118252  | 3.17  |
| 17    | 52918   | 175157  | 11.26 |
| 18    | 12658   | 35314   | 2.24  |
| 19    | 23607   | 76251   | 12.18 |
| 20    | 13420   | 43853   | 5.5   |
| 21    | 0       | 0       | 0     |
| 22    | 0       | 0       | 0     |
| 23    | 1068    | 3608    | 4.03  |
| 24    | 16300   | 74115   | 13.19 |
| 25    | 23485   | 90652   | 3.49  |
| 26    | 11265   | 46833   | 12.02 |
| 27    | 1220    | 5917    | 6.07  |
| 28    | 1220    | 5100    | 15.6  |
| 29    | 1678    | 7029    | 11.38 |
| 30    | 24858   | 75367   | 3.58  |
| 31    | 4240    | 12846   | 2.43  |
| 32    | 29890   | 92061   | 3.44  |
| 33    | 99491   | 393974  | 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 3162548  
923571 3073992  
791963 2664943

8.70

73%

74%

ALT FIT

## 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    | 50830  | 149359  | 5.22  |
| 15    | 19063  | 52613   | 2.76  |
| 16    | 31568  | 95965   | 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  | 101077  | 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    | 21503  | 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  | 103102  | 13.51 |
| 37    | 4118   | 14000   | 3.75  |
| 38    | 24034  | 80073   | 3.39  |
| 39    | 0      | 0       | 0.00  |
| 40    | 26637  | 89301   | 16.88 |
| 41    | 3203   | 11337   | 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

VOLUME TONNAGE

46  
47

0.00  
0.00

=====

SUM=

1032517 3320045  
973804 3160553  
548053 2783645

5.41

73%  
74%

ALTERNATE  
FIT

SECTION BOW

AREA OF  
INFLUENCE=

161 metres

| BLOCK | VOLUME | TONNAGE | Pb+Zn |
|-------|--------|---------|-------|
| 1     | 64660  | 195920  | 5.89  |
| 2     | 80825  | 273997  | 4.88  |
| 3     | 34160  | 103505  | 7.66  |
| 4     | 25773  | 77318   | 2.71  |
| 5     | 46513  | 140933  | 7.63  |
| 6     | 18710  | 54083   | 6.22  |
| 7     | 5243   | 16671   | 6.39  |
| 8     | 7473   | 20699   | 2.34  |
| 9     | 21350  | 61702   | 8.95  |
| 10    | 9915   | 29251   | 5.44  |
| 11    | 15250  | 43463   | 3.5   |
| 12    | 33605  | 114506  | 6.964 |
| 13    | 10678  | 31491   | 8.21  |
| 14    | 137403 | 393719  | 5.16  |
| 15    | 151433 | 449755  | 3.19  |
| 16    | 43463  | 133365  | 6.63  |
| 17    | 53680  | 166745  | 9.51  |
| 18    | 27708  | 97326   | 12    |
| 19    | 7620   | 26079   | 1.21  |
| 20    | 36788  | 126734  | 13.16 |
| 21    | 29128  | 99325   | 7.58  |
| 22    | 12810  | 48323   | 7.99  |
| 23    | 14943  | 68004   | 13.38 |
| 24    | 14773  | 50202   | 7     |
| 25    | 22268  | 62542   | 5.2   |
| 26    | 67237  | 231349  | 10.99 |
| 27    | 74242  | 202009  | 2.79  |
| 28    | 10678  | 30751   | 15.31 |
| 29    | 1098   | 3434    | 5.41  |
| 30    | 549    | 1623    | 8.6   |
| 31    | 0      | 0       | 0     |
| 32    | 0      | 0       | 0     |
| 33    | 52816  | 156093  | 3.45  |
| 34    | 15251  | 63678   | 12.53 |
| 35    | 3308   | 20272   | 8.97  |
| 36    | 46665  | 170737  | 6.26  |
| 37    | 52916  | 210612  | 11.02 |
| 38    | 16592  | 52745   | 4.91  |
| 39    | 39589  | 157760  | 15.57 |
| 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     |

SUM= 1308709 4207465 7.10

1192947 3878539  
973438 3228429

> 3%  
> 4%

ALT PIT

## SECTION 82W

ALTERNATE  
FITAREA OF  
INFLUENCE= $\delta I$  metres

| BLOCK | VOLUME | TORNAGE | Pb+Zn |
|-------|--------|---------|-------|
| 1     | 46495  | 174582  | 7.26  |
| 2     | 0      | 0       | 2.92  |
| 3     | 4575   | 16470   | 7.08  |
| 4     | 5795   | 20882   | 21.14 |
| 5     | 2073   | 9333    | 9.2   |
| 6     | 9760   | 35136   | 6.64  |
| 7     | 5333   | 11809   | 4.13  |
| 8     | 6710   | 24136   | 12.2  |
| 9     | 5338   | 19215   | 11.81 |
| 10    | 0      | 0       | 2.92  |
| 11    | 5098   | 31273   | 4.43  |
| 12    | 30078  | 137759  | 7     |
| 13    | 30073  | 119133  | 4.66  |
| 14    | 67710  | 243736  | 5.19  |
| 15    | 3203   | 11319   | 10.37 |
| 16    | 15778  | 71917   | 6.03  |
| 17    | 13373  | 48861   | 4.15  |
| 18    | 2050   | 10930   | 7.72  |
| 19    | 14773  | 53233   | 4.61  |
| 20    | 17525  | 71370   | 3.56  |
| 21    | 14458  | 52135   | 8.41  |
| 22    | 10028  | 38979   | 11.51 |
| 23    | 10070  | 37032   | 12.62 |
| 24    | 0      | 0       | 3.61  |
| 25    | 25015  | 90036   | 4.26  |
| 26    | 21040  | 68072   | 11.95 |
| 27    | 31778  | 120211  | 7.76  |
| 28    | 0      | 0       | 2.3   |
| 29    | 1121   | 4092    | 4.21  |
| 30    | 1478   | 5314    | 13.48 |
| 31    | 1484   | 5270    | 10.67 |
| 32    | 67720  | 272089  | 12.83 |
| 33    | 10420  | 48312   | 4.64  |
| 34    | 3313   | 13723   | 18.83 |
| 35    | 54748  | 197091  | 4.26  |
| 36    | 12688  | 41770   | 13.92 |
| 37    | 34180  | 122976  | 11.17 |
| 38    | 31263  | 105166  | 5.05  |
| 39    | 16013  | 57645   | 11.7  |
| 40    | 0      | 0       | 2.12  |
| 41    | 22263  | 80154   | 4.61  |
| 42    | 23633  | 85073   | 4.56  |
| 43    | 27068  | 101427  | 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

5  
6  
7  
8  
9  
0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
0

|      |       |       |   |
|------|-------|-------|---|
|      | 0     | 0     | 0 |
|      | 0     | 0     | 0 |
|      | 0     | 0     | 0 |
|      | 0     | 0     | 0 |
| 041  | 2300  | 21.87 |   |
| 366  | 1315  | 9.75  |   |
| 0    | 0     | 2.66  |   |
| 4638 | 18870 | 8.37  |   |
| 0    | 0     | 0     |   |

=====  
SUM=

|        |         |      |  |
|--------|---------|------|--|
| 748530 | 2708707 | 7.51 |  |
| 748330 | 2708909 |      |  |
| 728505 | 2637539 |      |  |

73%  
74%

SECTION 84W

ALTERNATE  
FIT

AREA OF  
INFLUENCE=

of metres

| BLOCK | VOLUME | TONNAGE | Pb+Zn |
|-------|--------|---------|-------|
| 1     | 0      | 0       | 0     |
| 2     | 0      | 0       | 0     |
| 3     | 1871   | 6893    | 8.64  |
| 4     | 1830   | 6523    | 10.7  |
| 5     | 0      | 0       | 0     |
| 6     | 0      | 0       | 0     |
| 7     | 0      | 0       | 0     |
| 8     | 0      | 0       | 0     |
| 9     | 0      | 0       | 0     |
| 10    | 155350 | 537700  | 7.05  |
| 11    | 49715  | 170774  | 5.35  |
| 12    | 99128  | 353320  | 4.27  |
| 13    | 42003  | 151207  | 4.51  |
| 14    | 0      | 0       | 0     |
| 15    | 9408   | 31202   | 6.34  |
| 16    | 0      | 0       | 0     |
| 17    | 0      | 0       | 0     |
| 18    | 15741  | 60103   | 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     |
| 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= 383934 1379326 5.93

383934 1379326  
383934 1379326

73%  
74%

SECTION 86W

ALTERNATE  
PIT

AREA OF  
INFLUENCE=

GT 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     | 200060 | 722374  | 6.8   |
| 8     | 17111  | 61073   | 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     |

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SUM= 21777 783972 6.83

217770 783972 73%

217770 783972 74%

ALT PIT