

PC-MINE VERSION 1.20  
 SERIAL NO : 20320  
 1B/ 1/1990

CURRAGH RESOURCES  
 \*\*\*\*\* FARD DEPOSIT F8910 MODEL \*\*\*\*\*

SOFTWARE BY GEMCOM SERVICES INC  
 MODULE 4.12  
 PAGE 1

*Pb-Zn Model Reduced \$70*

MINING RESERVE EVALUATION

DESCRIPTION : January 1 1990 Remaining Mining Reserves

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)  
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BLOCKS USED :  
 COLUMNS 1 TO 128 ROWS 1 TO 128  
 BENCH TOTALS FOR WASTE FROM .0000 [%Pb+Zn] TO 4.0000 [%Pb+Zn]

| BENCH | CREST   |   | TOE     |   | VOLUME<br>[bcf x1000] | DENSITY<br>[tn/bcf] | TONNAGE<br>[ TONS x1000] | AVERAGE GRADES |      |       |      | ECONOMIC<br>FACTOR<br>[Cdn \$ x1000] |     |
|-------|---------|---|---------|---|-----------------------|---------------------|--------------------------|----------------|------|-------|------|--------------------------------------|-----|
|       | [ft     | ] | [ft     | ] |                       |                     |                          | [%Pb+Zn]       | [%Pb | ]     | [%Zn |                                      | ]   |
| 1     | 4270.00 |   | 4230.00 |   | .00                   | .000                | .00                      | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 2     | 4230.00 |   | 4190.00 |   | .00                   | .000                | .00                      | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 3     | 4190.00 |   | 4150.00 |   | .00                   | .000                | .00                      | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 4     | 4150.00 |   | 4110.00 |   | .00                   | .000                | .00                      | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 5     | 4110.00 |   | 4070.00 |   | .00                   | .000                | .00                      | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 6     | 4070.00 |   | 4030.00 |   | .00                   | .000                | .00                      | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 7     | 4030.00 |   | 3990.00 |   | .00                   | .000                | .00                      | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 8     | 3990.00 |   | 3950.00 |   | 243.95                | .058                | 14.22                    | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 9     | 3950.00 |   | 3910.00 |   | 405.70                | .058                | 23.41                    | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 10    | 3910.00 |   | 3890.00 |   | 167.05                | .075                | 12.48                    | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 11    | 3890.00 |   | 3870.00 |   | 522.37                | .076                | 39.65                    | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 12    | 3870.00 |   | 3850.00 |   | 31.82                 | .076                | 2.42                     | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 13    | 3850.00 |   | 3830.00 |   | 139.65                | .076                | 10.60                    | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 14    | 3830.00 |   | 3810.00 |   | 1306.38               | .076                | 98.68                    | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 15    | 3810.00 |   | 3790.00 |   | 2466.92               | .076                | 187.27                   | .000           | .000 | .000  | .0   | .000                                 | .00 |
| 16    | 3790.00 |   | 3770.00 |   | 4093.27               | .076                | 311.55                   | .014           | .005 | .009  | .1   | .001                                 | .00 |
| 17    | 3770.00 |   | 3750.00 |   | 5111.50               | .076                | 390.55                   | .062           | .033 | .029  | .8   | .003                                 | .00 |
| 18    | 3750.00 |   | 3730.00 |   | 8066.29               | .078                | 630.83                   | .209           | .111 | .097  | 2.6  | .012                                 | .00 |
| 19    | 3730.00 |   | 3710.00 |   | 8243.07               | .078                | 643.32                   | .161           | .078 | .083  | 1.2  | .008                                 | .00 |
| 20    | 3710.00 |   | 3690.00 |   | 6813.84               | .079                | 535.25                   | .206           | .087 | .118  | 1.3  | .005                                 | .00 |
| 21    | 3690.00 |   | 3670.00 |   | 7441.39               | .078                | 581.06                   | .224           | .075 | .149  | 1.2  | .007                                 | .00 |
| 22    | 3670.00 |   | 3650.00 |   | 6833.28               | .078                | 529.99                   | .458           | .136 | .322  | 2.0  | .004                                 | .00 |
| 23    | 3650.00 |   | 3630.00 |   | 7215.12               | .077                | 559.02                   | .572           | .191 | .381  | 2.6  | .009                                 | .00 |
| 24    | 3630.00 |   | 3610.00 |   | 6241.09               | .081                | 503.70                   | .701           | .238 | .464  | 3.3  | .012                                 | .00 |
| 25    | 3610.00 |   | 3590.00 |   | 6496.53               | .085                | 553.19                   | 1.262          | .464 | .798  | 7.0  | .036                                 | .00 |
| 26    | 3590.00 |   | 3570.00 |   | 7144.41               | .086                | 617.50                   | 1.336          | .455 | .881  | 6.1  | .029                                 | .00 |
| 27    | 3570.00 |   | 3550.00 |   | 7487.35               | .085                | 638.66                   | 1.137          | .380 | .756  | 4.9  | .045                                 | .00 |
| 28    | 3550.00 |   | 3530.00 |   | 7348.59               | .089                | 653.36                   | 1.462          | .546 | .916  | 7.9  | .045                                 | .00 |
| 29    | 3530.00 |   | 3510.00 |   | 6415.21               | .092                | 589.59                   | 1.630          | .566 | 1.064 | 8.9  | .042                                 | .00 |
| 30    | 3510.00 |   | 3490.00 |   | 5290.92               | .101                | 534.73                   | 2.146          | .737 | 1.409 | 9.7  | .031                                 | .00 |
| 31    | 3490.00 |   | 3470.00 |   | 4322.19               | .099                | 427.15                   | 2.047          | .811 | 1.054 | 9.5  | .024                                 | .00 |

|    |         |         |         |      |        |       |      |       |      |      |     |
|----|---------|---------|---------|------|--------|-------|------|-------|------|------|-----|
| 32 | 3470.00 | 3450.00 | 3417.09 | .094 | 321.84 | 1.682 | .676 | 1.006 | 8.7  | .032 | .00 |
| 33 | 3450.00 | 3430.00 | 2725.89 | .094 | 255.05 | 1.632 | .558 | 1.074 | 8.0  | .012 | .00 |
| 34 | 3430.00 | 3410.00 | 2287.49 | .098 | 224.11 | 1.912 | .629 | 1.283 | 9.4  | .024 | .00 |
| 35 | 3410.00 | 3390.00 | 3013.16 | .088 | 266.62 | 2.680 | .817 | 1.863 | 14.2 | .078 | .00 |
| 36 | 3390.00 | 3370.00 | 1190.59 | .079 | 94.53  | .986  | .322 | .664  | 6.0  | .027 | .00 |
| 37 | 3370.00 | 3350.00 | 1112.81 | .079 | 88.31  | .195  | .049 | .146  | 1.2  | .000 | .00 |
| 38 | 3350.00 | 3330.00 | 997.90  | .077 | 76.93  | .599  | .190 | .410  | 3.5  | .014 | .00 |
| 39 | 3330.00 | 3310.00 | 1109.27 | .077 | 85.34  | .158  | .054 | .104  | .7   | .022 | .00 |
| 40 | 3310.00 | 3290.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 41 | 3290.00 | 3270.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 42 | 3270.00 | 3250.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 43 | 3250.00 | 3230.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 44 | 3230.00 | 3210.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 45 | 3210.00 | 3190.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 46 | 3190.00 | 3170.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 47 | 3170.00 | 3150.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 48 | 3150.00 | 3130.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 49 | 3130.00 | 3110.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |
| 50 | 3110.00 | 3090.00 | .00     | .000 | .00    | .000  | .000 | .000  | .0   | .000 | .00 |

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|                       |  |  |           |      |          |      |      |      |     |      |     |
|-----------------------|--|--|-----------|------|----------|------|------|------|-----|------|-----|
| TOTAL FOR ALL BENCHES |  |  | 125702.10 | .084 | 10500.91 | .941 | .334 | .607 | 4.8 | .022 | .00 |
|-----------------------|--|--|-----------|------|----------|------|------|------|-----|------|-----|

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PC-MINE VERSION 1.20  
 SERIAL NO : 20320  
 18/ 1/1990

CURRAGH RESOURCES  
 \*\*\*\*\* FARD DEPOSIT F8910 MODEL \*\*\*\*\*

SOFTWARE BY GEMCOM SERVICES INC  
 MODULE 4.12  
 PAGE 2

MINING RESERVE EVALUATION

DESCRIPTION : January 1 1990 Remaining Mining Reserves

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)  
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BLOCKS USED :

COLUMNS 1 TO 128 ROWS 1 TO 128  
 BENCH TOTALS FOR STOCKPILE FROM 4.0000 [%Pb+Zn] TO 5.0000 [%Pb+Zn]

| BENCH | CREST   |         | VOLUME  | DENSITY | TONNAGE | A V E R A G E G R A D E S |          |               |          | ECONOMIC FACTOR |      |        |
|-------|---------|---------|---------|---------|---------|---------------------------|----------|---------------|----------|-----------------|------|--------|
|       | [ft     | ] [ft   |         |         |         | [bcf x1000]               | [tn/bcf] | [ TONS x1000] | [%Pb+Zn] |                 | [%Pb | ] [%Zn |
| 1     | 4270.00 | 4230.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 2     | 4230.00 | 4190.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 3     | 4190.00 | 4150.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 4     | 4150.00 | 4110.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 5     | 4110.00 | 4070.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 6     | 4070.00 | 4030.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 7     | 4030.00 | 3990.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 8     | 3990.00 | 3950.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 9     | 3950.00 | 3910.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 10    | 3910.00 | 3870.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 11    | 3870.00 | 3830.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 12    | 3830.00 | 3790.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 13    | 3790.00 | 3750.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 14    | 3750.00 | 3710.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 15    | 3710.00 | 3670.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 16    | 3670.00 | 3630.00 | 17.68   | .114    | 2.02    | 4.923                     | 1.907    | 3.016         | 30.3     | .000            | .000 | .00    |
| 17    | 3630.00 | 3590.00 | 30.94   | .095    | 2.95    | 4.252                     | 1.624    | 2.629         | 34.0     | .216            | .000 | .00    |
| 18    | 3590.00 | 3550.00 | .00     | .000    | .00     | .000                      | .000     | .000          | .000     | .0              | .000 | .00    |
| 19    | 3550.00 | 3510.00 | 150.26  | .111    | 16.75   | 4.591                     | 2.319    | 2.272         | 39.1     | .287            | .000 | .00    |
| 20    | 3510.00 | 3470.00 | 247.49  | .122    | 30.15   | 4.578                     | 2.216    | 2.362         | 39.2     | .228            | .000 | .00    |
| 21    | 3470.00 | 3430.00 | 169.71  | .106    | 18.02   | 4.545                     | 1.655    | 2.891         | 22.7     | .173            | .000 | .00    |
| 22    | 3430.00 | 3390.00 | 368.58  | .100    | 37.03   | 4.493                     | 1.491    | 3.003         | 14.4     | .057            | .000 | .00    |
| 23    | 3390.00 | 3350.00 | 603.69  | .102    | 61.74   | 4.446                     | 1.503    | 2.943         | 17.5     | .100            | .000 | .00    |
| 24    | 3350.00 | 3310.00 | 698.27  | .104    | 72.33   | 4.409                     | 1.289    | 3.120         | 12.7     | .094            | .000 | .00    |
| 25    | 3310.00 | 3270.00 | 885.65  | .100    | 88.71   | 4.449                     | 1.478    | 2.971         | 18.9     | .127            | .000 | .00    |
| 26    | 3270.00 | 3230.00 | 1440.73 | .106    | 152.23  | 4.506                     | 1.763    | 2.743         | 23.2     | .126            | .000 | .00    |
| 27    | 3230.00 | 3190.00 | 2087.73 | .109    | 227.62  | 4.478                     | 1.637    | 2.841         | 20.2     | .100            | .000 | .00    |
| 28    | 3190.00 | 3150.00 | 1430.12 | .109    | 156.06  | 4.477                     | 1.754    | 2.724         | 23.4     | .093            | .000 | .00    |
| 29    | 3150.00 | 3110.00 | 1771.30 | .108    | 190.76  | 4.536                     | 1.692    | 2.845         | 23.4     | .065            | .000 | .00    |
| 30    | 3110.00 | 3070.00 | 2656.07 | .106    | 281.78  | 4.507                     | 1.721    | 2.786         | 24.5     | .077            | .000 | .00    |
| 31    | 3070.00 | 3030.00 | 1303.73 | .105    | 134.35  | 4.501                     | 1.704    | 2.705         | 24.2     | .061            | .000 | .00    |

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|    |         |         |         |      |        |       |       |       |      |      |     |
|----|---------|---------|---------|------|--------|-------|-------|-------|------|------|-----|
| 32 | 3470.00 | 3450.00 | 1242.74 | .109 | 134.95 | 4.486 | 1.741 | 2.745 | 19.5 | .065 | .00 |
| 33 | 3450.00 | 3430.00 | 985.53  | .111 | 109.16 | 4.538 | 1.639 | 2.899 | 17.9 | .065 | .00 |
| 34 | 3430.00 | 3410.00 | 1527.35 | .100 | 153.21 | 4.539 | 1.582 | 2.957 | 20.3 | .090 | .00 |
| 35 | 3410.00 | 3390.00 | 567.45  | .109 | 61.92  | 4.430 | 1.523 | 2.907 | 16.7 | .067 | .00 |
| 36 | 3390.00 | 3370.00 | 312.01  | .096 | 29.99  | 4.475 | 1.431 | 3.044 | 17.8 | .053 | .00 |
| 37 | 3370.00 | 3350.00 | 141.42  | .089 | 12.57  | 4.749 | 1.296 | 3.453 | 17.1 | .001 | .00 |
| 38 | 3350.00 | 3330.00 | 149.38  | .088 | 13.09  | 4.651 | 1.531 | 3.120 | 24.3 | .065 | .00 |
| 39 | 3330.00 | 3310.00 | 96.34   | .088 | 8.46   | 4.669 | 1.695 | 2.974 | 27.6 | .445 | .00 |
| 40 | 3310.00 | 3290.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 41 | 3290.00 | 3270.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 42 | 3270.00 | 3250.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 43 | 3250.00 | 3230.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 44 | 3230.00 | 3210.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 45 | 3210.00 | 3190.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 46 | 3190.00 | 3170.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 47 | 3170.00 | 3150.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 48 | 3150.00 | 3130.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 49 | 3130.00 | 3110.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |
| 50 | 3110.00 | 3090.00 | .00     | .000 | .00    | .000  | .000  | .000  | .0   | .000 | .00 |

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|                       |          |      |         |       |       |       |      |      |     |
|-----------------------|----------|------|---------|-------|-------|-------|------|------|-----|
| TOTAL FOR ALL BENCHES | 18884.14 | .106 | 1997.86 | 4.500 | 1.666 | 2.835 | 21.6 | .091 | .00 |
|-----------------------|----------|------|---------|-------|-------|-------|------|------|-----|

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LEAD AND ZINC BLOCK MODEL GRADES  
 REDUCED 5%

MINING RESERVE EVALUATION

DESCRIPTION : January 1 1990 Remaining Mining Reserves

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)  
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BLOCKS USED :  
 COLUMNS 1 TO 128 ROWS 1 TO 128  
 BENCH TOTALS FOR ORE ABOVE 5.0000 [%Pb+Zn]

| BENCH | CREST   | TOE     | VOLUME<br>[bcf x1000] | DENSITY<br>[tn/bcf] | TONNAGE<br>[ TONS x1000] | A V E R A G E G R A D E S |        |        |          | ECONOMIC<br>FACTOR<br>[Cdn \$ x1000] |          |
|-------|---------|---------|-----------------------|---------------------|--------------------------|---------------------------|--------|--------|----------|--------------------------------------|----------|
|       | [ft ]   | [ft ]   |                       |                     |                          | [%Pb+Zn]                  | [%Pb ] | [%Zn ] | [Ag g/t] |                                      | [Au g/t] |
| 1     | 4270.00 | 4230.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 2     | 4230.00 | 4190.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 3     | 4190.00 | 4150.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 4     | 4150.00 | 4110.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 5     | 4110.00 | 4070.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 6     | 4070.00 | 4030.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 7     | 4030.00 | 3990.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 8     | 3990.00 | 3950.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 9     | 3950.00 | 3910.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 10    | 3910.00 | 3890.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 11    | 3890.00 | 3870.00 | 13.26                 | .089                | 1.19                     | 6.263                     | 2.681  | 3.582  | 43.1     | .170                                 | .00      |
| 12    | 3870.00 | 3850.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 13    | 3850.00 | 3830.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 14    | 3830.00 | 3810.00 | .00                   | .000                | .00                      | .000                      | .000   | .000   | .0       | .000                                 | .00      |
| 15    | 3810.00 | 3790.00 | 8.84                  | .118                | 1.04                     | 8.528                     | 3.023  | 5.505  | 39.6     | .000                                 | .00      |
| 16    | 3790.00 | 3770.00 | 9.72                  | .119                | 1.16                     | 5.825                     | 2.189  | 3.636  | 30.2     | .000                                 | .00      |
| 17    | 3770.00 | 3750.00 | 22.98                 | .091                | 2.09                     | 6.003                     | 1.921  | 4.082  | 35.6     | .310                                 | .00      |
| 18    | 3750.00 | 3730.00 | 15.03                 | .086                | 1.29                     | 5.686                     | 1.923  | 3.763  | 32.2     | .038                                 | .00      |
| 19    | 3730.00 | 3710.00 | 124.63                | .119                | 14.81                    | 5.415                     | 2.832  | 2.583  | 57.6     | .246                                 | .00      |
| 20    | 3710.00 | 3690.00 | 215.67                | .116                | 25.11                    | 6.287                     | 2.364  | 3.923  | 29.9     | .108                                 | .00      |
| 21    | 3690.00 | 3670.00 | 567.45                | .111                | 63.25                    | 6.294                     | 2.455  | 3.839  | 26.8     | .180                                 | .00      |
| 22    | 3670.00 | 3650.00 | 1832.29               | .102                | 186.62                   | 6.765                     | 2.433  | 4.333  | 23.9     | .163                                 | .00      |
| 23    | 3650.00 | 3630.00 | 2188.49               | .105                | 228.82                   | 6.582                     | 2.208  | 4.374  | 22.5     | .163                                 | .00      |
| 24    | 3630.00 | 3610.00 | 2473.99               | .107                | 264.71                   | 6.631                     | 2.296  | 4.335  | 24.8     | .165                                 | .00      |
| 25    | 3610.00 | 3590.00 | 2443.94               | .108                | 264.96                   | 6.910                     | 2.615  | 4.295  | 29.9     | .166                                 | .00      |
| 26    | 3590.00 | 3570.00 | 4088.85               | .109                | 445.87                   | 7.154                     | 2.664  | 4.489  | 31.0     | .129                                 | .00      |
| 27    | 3570.00 | 3550.00 | 4241.76               | .113                | 480.66                   | 6.391                     | 2.462  | 3.929  | 31.2     | .107                                 | .00      |
| 28    | 3550.00 | 3530.00 | 5467.70               | .112                | 610.72                   | 7.343                     | 2.875  | 4.469  | 37.5     | .138                                 | .00      |
| 29    | 3530.00 | 3510.00 | 7799.36               | .115                | 893.57                   | 7.271                     | 2.791  | 4.479  | 32.6     | .088                                 | .00      |
| 30    | 3510.00 | 3490.00 | 7745.44               | .118                | 912.65                   | 7.501                     | 2.849  | 4.651  | 33.2     | .096                                 | .00      |
| 31    | 3490.00 | 3470.00 | 9714.11               | .114                | 1099.08                  | 8.324                     | 3.121  | 5.205  | 33.3     | .087                                 | .00      |

East Phase

Oxford

|                         |         |         |         |          |      |         |       |       |       |      |      |     |
|-------------------------|---------|---------|---------|----------|------|---------|-------|-------|-------|------|------|-----|
| MIXED EAST<br>2 S PHASE | 32      | 3470.00 | 3450.00 | 7301.74  | .116 | 848.60  | 8.034 | 2.979 | 5.055 | 31.5 | .088 | .00 |
|                         | 33      | 3450.00 | 3430.00 | 5153.04  | .119 | 614.96  | 7.681 | 2.846 | 4.835 | 28.3 | .071 | .00 |
|                         | 34      | 3430.00 | 3410.00 | 3257.11  | .119 | 388.62  | 7.416 | 2.739 | 1.677 | 27.3 | .075 | .00 |
|                         | 35      | 3410.00 | 3390.00 | 2527.90  | .117 | 296.38  | 7.201 | 2.495 | 4.706 | 20.6 | .047 | .00 |
|                         | 36      | 3390.00 | 3370.00 | 2829.31  | .108 | 305.63  | 7.841 | 2.670 | 5.172 | 22.1 | .065 | .00 |
|                         | 37      | 3370.00 | 3350.00 | 2759.48  | .095 | 262.30  | 8.208 | 2.721 | 5.487 | 28.0 | .063 | .00 |
|                         | 38      | 3350.00 | 3330.00 | 1891.51  | .093 | 176.48  | 8.710 | 2.837 | 5.874 | 28.5 | .038 | .00 |
|                         | 39      | 3330.00 | 3310.00 | 1103.97  | .089 | 98.44   | 7.344 | 2.538 | 4.807 | 37.4 | .159 | .00 |
|                         | 40      | 3310.00 | 3290.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
|                         | 41      | 3290.00 | 3270.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 42                      | 3270.00 | 3250.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| 43                      | 3250.00 | 3230.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| 44                      | 3230.00 | 3210.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| 45                      | 3210.00 | 3190.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| 46                      | 3190.00 | 3170.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| 47                      | 3170.00 | 3150.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| 48                      | 3150.00 | 3130.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| 49                      | 3130.00 | 3110.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| 50                      | 3110.00 | 3090.00 | .00     | .000     | .00  | .000    | .000  | .000  | .0    | .000 | .00  |     |
| TOTAL FOR ALL BENCHES   |         |         |         | 75597.54 | .112 | 8479.20 | 7.496 | 2.773 | 4.723 | 30.5 | .100 | .00 |

2400  
 2000  
 1000  
 0  
 -1000  
 -2000  
 -3000

PC-MINE VERSION 1.20  
 SERIAL NO : 20320  
 18/ 1/1990

CURRAGH RESOURCES  
 \*\*\*\*\* FARD DEPOSIT F8910 MODEL \*\*\*\*\*

SOFTWARE BY GEMCOM SERVICES INC  
 MODULE 4.12  
 PAGE 4

MINING RESERVE EVALUATION

DESCRIPTION : January 1 1990 Remaining Mining Reserves

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)  
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BLOCKS USED :  
 COLUMNS 1 TO 128 ROWS 1 TO 128  
 BENCH TOTALS FOR ALL MATERIAL

| BENCH | CREST   |   | TOE     |   | VOLUME<br>[bcf x1000] | DENSITY<br>[tn/bcf] | TONNAGE<br>[ TONS x1000] | A V E R A G E G R A D E S |       |       |      |      | ECONOMIC<br>FACTOR<br>[Cdn \$ x1000] |
|-------|---------|---|---------|---|-----------------------|---------------------|--------------------------|---------------------------|-------|-------|------|------|--------------------------------------|
|       | [ft     | ] | [ft     | ] |                       |                     |                          | [%Pb+Zn]                  | [%Pb  | ]     | [%Zn | ]    |                                      |
| 1     | 4270.00 |   | 4230.00 |   | .00                   | .000                | .00                      | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 2     | 4230.00 |   | 4190.00 |   | .00                   | .000                | .00                      | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 3     | 4190.00 |   | 4150.00 |   | .00                   | .000                | .00                      | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 4     | 4150.00 |   | 4110.00 |   | .00                   | .000                | .00                      | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 5     | 4110.00 |   | 4070.00 |   | .00                   | .000                | .00                      | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 6     | 4070.00 |   | 4030.00 |   | .00                   | .000                | .00                      | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 7     | 4030.00 |   | 3990.00 |   | .00                   | .000                | .00                      | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 8     | 3990.00 |   | 3950.00 |   | 243.95                | .058                | 14.22                    | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 9     | 3950.00 |   | 3910.00 |   | 405.70                | .058                | 23.41                    | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 10    | 3910.00 |   | 3890.00 |   | 167.05                | .075                | 12.48                    | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 11    | 3890.00 |   | 3870.00 |   | 535.63                | .076                | 40.83                    | .182                      | .078  | .104  | 1.3  | .005 | .00                                  |
| 12    | 3870.00 |   | 3850.00 |   | 31.82                 | .076                | 2.42                     | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 13    | 3850.00 |   | 3830.00 |   | 139.65                | .076                | 10.60                    | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 14    | 3830.00 |   | 3810.00 |   | 1306.38               | .076                | 98.68                    | .000                      | .000  | .000  | .0   | .000 | .00                                  |
| 15    | 3810.00 |   | 3790.00 |   | 2475.75               | .076                | 188.31                   | .047                      | .017  | .030  | .2   | .000 | .00                                  |
| 16    | 3790.00 |   | 3770.00 |   | 4120.67               | .076                | 314.73                   | .067                      | .025  | .042  | .4   | .001 | .00                                  |
| 17    | 3770.00 |   | 3750.00 |   | 5165.41               | .077                | 395.59                   | .124                      | .054  | .070  | 1.3  | .006 | .00                                  |
| 18    | 3750.00 |   | 3730.00 |   | 8081.32               | .078                | 632.13                   | .220                      | .115  | .105  | 2.6  | .012 | .00                                  |
| 19    | 3730.00 |   | 3710.00 |   | 8517.96               | .079                | 674.88                   | .386                      | .194  | .192  | 3.4  | .021 | .00                                  |
| 20    | 3710.00 |   | 3690.00 |   | 7276.99               | .081                | 590.51                   | .687                      | .293  | .394  | 4.4  | .020 | .00                                  |
| 21    | 3690.00 |   | 3670.00 |   | 8178.54               | .081                | 662.34                   | .921                      | .345  | .576  | 4.2  | .028 | .00                                  |
| 22    | 3670.00 |   | 3650.00 |   | 9034.15               | .083                | 753.64                   | 2.218                     | .771  | 1.447 | 8.1  | .048 | .00                                  |
| 23    | 3650.00 |   | 3630.00 |   | 10007.33              | .085                | 849.58                   | 2.472                     | .830  | 1.643 | 9.0  | .057 | .00                                  |
| 24    | 3630.00 |   | 3610.00 |   | 9413.35               | .089                | 840.74                   | 2.887                     | .976  | 1.911 | 10.9 | .067 | .00                                  |
| 25    | 3610.00 |   | 3590.00 |   | 9826.13               | .092                | 906.86                   | 3.224                     | 1.191 | 2.032 | 14.8 | .083 | .00                                  |
| 26    | 3590.00 |   | 3570.00 |   | 12674.06              | .096                | 1215.60                  | 3.867                     | 1.429 | 2.438 | 17.4 | .078 | .00                                  |
| 27    | 3570.00 |   | 3550.00 |   | 13816.93              | .097                | 1346.94                  | 3.576                     | 1.335 | 2.241 | 16.9 | .076 | .00                                  |
| 28    | 3550.00 |   | 3530.00 |   | 14246.51              | .100                | 1420.13                  | 4.323                     | 1.680 | 2.643 | 22.4 | .090 | .00                                  |
| 29    | 3530.00 |   | 3510.00 |   | 15986.02              | .105                | 1673.92                  | 4.973                     | 1.882 | 3.090 | 23.2 | .069 | .00                                  |
| 30    | 3510.00 |   | 3490.00 |   | 15692.57              | .110                | 1729.16                  | 5.357                     | 2.012 | 3.345 | 24.5 | .073 | .00                                  |
| 31    | 3490.00 |   | 3470.00 |   | 15140.13              | .109                | 1652.79                  | 4.393                     | 2.415 | 3.978 | 24.4 | .068 | .00                                  |

\*PRINTED BY: 3/1/90

|    |         |         |          |      |         |       |       |       |      |      |     |
|----|---------|---------|----------|------|---------|-------|-------|-------|------|------|-----|
| 32 | 3473.00 | 3450.00 | 11961.63 | .109 | 1305.40 | 6.101 | 2.283 | 3.018 | 24.7 | .072 | .00 |
| 33 | 3450.00 | 3430.00 | 8864.44  | .110 | 979.17  | 5.755 | 2.116 | 3.639 | 21.8 | .055 | .00 |
| 34 | 3430    | 3410.00 | 7071.94  | .108 | 765.93  | 5.230 | 1.890 | 3.340 | 20.7 | .063 | .00 |
| 35 | 3410.00 | 3390.00 | 6108.51  | .102 | 624.92  | 4.998 | 1.683 | 3.315 | 17.5 | .062 | .00 |
| 36 | 3390.00 | 3370.00 | 4331.92  | .099 | 430.16  | 6.100 | 2.067 | 4.033 | 18.2 | .056 | .00 |
| 37 | 3370.00 | 3350.00 | 4013.72  | .090 | 363.18  | 6.140 | 2.022 | 4.118 | 21.1 | .046 | .00 |
| 38 | 3350.00 | 3330.00 | 3038.79  | .088 | 266.51  | 6.170 | 2.009 | 4.161 | 21.1 | .033 | .00 |
| 39 | 3330.00 | 3310.00 | 2309.58  | .083 | 192.24  | 4.037 | 1.398 | 2.638 | 20.7 | .111 | .00 |
| 40 | 3310.00 | 3290.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 41 | 3290.00 | 3270.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 42 | 3270.00 | 3250.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 43 | 3250.00 | 3230.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 44 | 3230.00 | 3210.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 45 | 3210.00 | 3190.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 46 | 3190.00 | 3170.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 47 | 3170.00 | 3150.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 48 | 3150.00 | 3130.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 49 | 3130.00 | 3110.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |
| 50 | 3110.00 | 3090.00 | .00      | .000 | .00     | .000  | .000  | .000  | .0   | .000 | .00 |

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|                       |           |      |          |       |       |       |      |      |     |
|-----------------------|-----------|------|----------|-------|-------|-------|------|------|-----|
| TOTAL FOR ALL BENCHES | 220184.50 | .095 | 20977.99 | 3.930 | 1.447 | 2.483 | 16.8 | .060 | .00 |
|-----------------------|-----------|------|----------|-------|-------|-------|------|------|-----|

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