000487

CURRAGH RESOURCES INC.

INTER-OFFICE MEMORANDUM

Noted Ag 25/89
① file
② copy to Ed Blaxland

TO: Kurt Forgaard
Bill Weymark
Marv Pelley

FROM: Gregg Jilson
Cam Reed

DATE: 1989 08 24

Last month we carried out a number of recalculations of grade for the geological interpretion by Steven Cheeseman using the total assay data base to the end of 1987.

The calculations have involved varying the rules followed during interpolation by computer and and the use of various assay composite types. The results are shown on the attached Tables.

Table 1

Compares 4 different calculations to blastholes. On the extreme left is the original model (F8805) as calculated by S. Cheeseman. On the extreme right are blastholes for benches 3410 to 3310 in the BZ phase (the same benches and areas as reconcilated by Ed Blaxland).

The columns to the right of Cheesman's calculation are gradually "more relaxed" recalculations. Beside the blasthole columns is our favoured calculation which uses bench composited asssays and a loose matching of rock types. We propose to call this calculation the F8908 model. Because of the bench composites this calculation is not diluted. The comparison of high grade volume to blasthole volumes is very good, however, the tonnage comparison is not as good and is due to the low blasthole density used, (the average of 3 tonnes per cubic yard). Overall at a 4% cutoff blastholes and model are still relatively close.

Table 2

Compares the same 4 calculations to the blastholes for the 3630 bench August 1989 mining volume. It is apparent that our favoured model (F8908) came much closer to the actual tonnage blocked out.

Table 3

Compares total volume mined to date by Curragh for the new bench composite model (F8908), as well as the remaining reserves and the overall start of mining reserves. It appears that the new model calculation does not distort the overall tonnage and grade of the deposit at low cutoff grades as what was originally feared.

We therefore recommend that the F8908 model replace the F8805 model and be used for future mine planning. However, in no case should the current dilution practice of 10% dilution at zero grade with a 95% mining recovery be applied to the F8908 model otherwise grades will be far too low. The dilution by blasthole drilling is inherently included in the model blocks because of the bench compositing.

I believe this brief discussion will need much amplification with the Faro Mine staff. Should you agree that the F8908 model is to be used we will see that this information is conveyed and the model will be made available immediately.

RAGH RESOURCES INC.
10 MINE
PARISON OF PREDICTED TO ACTUAL BENCH ORE

# TABLE I

F8805

**ACTUAL DIG LIMITS**
GEOL COMP,STRICT MATCH
CALCULATED BY PCMINE
UNDILUTED

| | | Tonnes | Volume (bcy) | Pb+Zn (%) | Metal (tonnes) |
|---|---|---|---|---|---|
| 10 | 4-5% | 39,660 | 15,713 | 4.56 | 1,810 |
| | 5-7% | 94,760 | 32,736 | 5.84 | 5,534 |
| | +7% | 490,750 | 142,731 | 8.70 | 42,695 |
| | +5% | 585,510 | 175,467 | 8.24 | 48,229 |
| | +4% | 625,170 | 191,181 | 8.00 | 50,039 |
| 90 | 4-5% | 39,190 | 17,023 | 4.68 | 1,835 |
| | 5-7% | 188,950 | 7,267 | 5.99 | 11,318 |
| | +7% | 266,570 | 75,949 | 8.55 | 22,802 |
| | +5% | 455,520 | 83,216 | 7.49 | 34,121 |
| | +4% | 494,710 | 100,239 | 7.27 | 35,955 |
| 70 | 4-5% | 51,310 | 22,261 | 4.87 | 2,497 |
| | 5-7% | 69,210 | 29,463 | 5.41 | 3,744 |
| | +7% | 292,630 | 86,424 | 9.04 | 26,460 |
| | +5% | 361,840 | 115,887 | 8.35 | 30,203 |
| | +4% | 413,150 | 138,147 | 7.91 | 32,700 |
| 50 | 4-5% | 42,220 | 18,332 | 4.54 | 1,918 |
| | 5-7% | 34,060 | 14,404 | 5.96 | 2,030 |
| | +7% | 172,110 | 49,104 | 8.44 | 14,528 |
| | +5% | 206,170 | 63,509 | 8.03 | 16,558 |
| | +4% | 248,390 | 81,841 | 7.44 | 18,476 |
| 30 | 4-5% | 22,600 | 9,821 | 4.47 | 1,011 |
| nd | 5-7% | 72,650 | 31,427 | 6.11 | 4,437 |
| 10 | +7% | 36,160 | 10,476 | 8.40 | 3,036 |
| | +5% | 108,810 | 41,903 | 6.87 | 7,473 |
| | +4% | 131,410 | 51,723 | 6.46 | 8,484 |
| otal | 4-5% | 194,980 | 83,150 | 4.65 | 9,071 |
| 10 | 5-7% | 459,630 | 115,297 | 5.89 | 27,063 |
| 0 | +7% | 1,258,220 | 364,684 | 8.70 | 109,521 |
| 10 | +5% | 1,717,850 | 479,981 | 7.95 | 136,584 |
| | +4% | 1,912,870 | 543,131 | 7.61 | 145,454 |

**ACTUAL DIG LIMITS**
GEOL COMP,LOOSE MATCH
CALCULATED BY PCMINE
UNDILUTED

| | | Tonnes | Volume (bcy) | Pb+Zn (%) | Metal (tonnes) |
|---|---|---|---|---|---|
| 10 | 4-5% | 48,420 | 21,606 | 4.54 | 2,651 |
| | 5-7% | 74,890 | 55,652 | 6.14 | 10,738 |
| | +7% | 478,610 | 140,112 | 8.64 | 41,338 |
| | +5% | 633,500 | 195,764 | 7.97 | 52,076 |
| | +4% | 711,920 | 217,370 | 7.69 | 54,727 |
| 90 | 4-5% | 32,770 | 20,951 | 4.62 | 2,440 |
| | 5-7% | 56,880 | 94,936 | 6.04 | 16,109 |
| | +7% | 214,650 | 61,544 | 7.92 | 17,009 |
| | +5% | 431,530 | 136,480 | 6.88 | 33,118 |
| | +4% | 484,300 | 177,431 | 6.65 | 35,557 |
| 70 | 4-5% | 41,980 | 22,261 | 4.87 | 2,330 |
| | 5-7% | 68,910 | 53,033 | 5.89 | 8,768 |
| | +7% | 282,990 | 69,401 | 8.74 | 20,368 |
| | +5% | 341,900 | 122,434 | 7.63 | 29,136 |
| | +4% | 403,880 | 144,695 | 7.30 | 31,666 |
| 50 | 4-5% | 42,210 | 18,332 | 4.54 | 1,918 |
| | 5-7% | 34,080 | 14,404 | 5.96 | 2,032 |
| | +7% | 171,430 | 49,104 | 8.11 | 13,901 |
| | +5% | 205,510 | 63,509 | 7.75 | 15,933 |
| | +4% | 247,720 | 81,841 | 7.21 | 17,850 |
| 30 | 4-5% | 22,600 | 9,821 | 4.47 | 1,011 |
| nd | 5-7% | 72,600 | 31,427 | 6.11 | 4,434 |
| 10 | +7% | 38,440 | 11,130 | 8.29 | 3,185 |
| | +5% | 111,040 | 42,557 | 6.86 | 7,619 |
| | +4% | 133,640 | 52,378 | 6.46 | 8,630 |
| otal | 4-5% | 227,980 | 92,971 | 4.63 | 10,549 |
| 10 | 5-7% | 697,360 | 249,451 | 6.03 | 42,080 |
| 0 | +7% | 1,136,120 | 331,292 | 8.43 | 95,801 |
| 10 | +5% | 1,833,480 | 580,744 | 7.52 | 137,881 |
| | +4% | 2,041,640 | 673,714 | 7.20 | 148,430 |

F8903

**ACTUAL DIG LIMITS**
BENCH COMP,STRICT MATCH
CALCULATED BY PCMINE
UNDILUTED

| | | Tonnes | Volume (bcy) | Pb+Zn (%) | Metal (tonnes) |
|---|---|---|---|---|---|
| 10 | 4-5% | 112,370 | 45,176 | 4.45 | 5,005 |
| | 5-7% | 173,930 | 52,378 | 6.11 | 10,618 |
| | +7% | 348,000 | 101,483 | 8.57 | 29,820 |
| | +5% | 521,930 | 153,861 | 7.75 | 40,439 |
| | +4% | 634,300 | 199,037 | 7.16 | 45,444 |
| 90 | 4-5% | 59120 | 24,225 | 4.74 | 2,800 |
| | 5-7% | 205950 | 76,603 | 5.82 | 11,978 |
| | +7% | 251530 | 72,675 | 8.11 | 20,397 |
| | +5% | 457480 | 149,278 | 7.08 | 32,375 |
| | +4% | 516600 | 173,503 | 6.81 | 35,175 |
| 70 | 4-5% | 63,990 | 27,499 | 4.40 | 2,816 |
| | 5-7% | 53,140 | 20,951 | 5.69 | 3,023 |
| | +7% | 278,340 | 81,841 | 8.68 | 24,146 |
| | +5% | 331,480 | 102,792 | 8.20 | 27,169 |
| | +4% | 393,460 | 130,290 | 7.58 | 29,985 |
| 50 | 4-5% | 21,100 | 9,166 | 4.54 | 957 |
| | 5-7% | 40,570 | 17,023 | 5.81 | 2,356 |
| | +7% | 182,760 | 56,961 | 8.31 | 15,180 |
| | +5% | 223,330 | 73,984 | 7.85 | 17,536 |
| | +4% | 244,430 | 83,150 | 7.57 | 18,493 |
| 30 | 4-5% | 21,180 | 9,166 | 4.66 | 986 |
| nd | 5-7% | 68,790 | 28,153 | 5.82 | 4,000 |
| 10 | +7% | 12,160 | 4,583 | 7.84 | 953 |
| | +5% | 80,950 | 32,736 | 6.12 | 4,953 |
| | +4% | 102,130 | 41,903 | 5.82 | 5,939 |
| otal | 4-5% | 277,750 | 115,232 | 4.52 | 12,565 |
| 10 | 5-7% | 542,380 | 195,109 | 5.90 | 31,975 |
| 0 | +7% | 1,072,790 | 317,543 | 8.44 | 90,496 |
| 10 | +5% | 1,615,170 | 512,651 | 7.58 | 122,471 |
| | +4% | 1,892,920 | 627,883 | 7.13 | 135,015 |

F8908

**ACTUAL DIG LIMITS**
BENCH COMP,LOOSE MATCH
CALCULATED BY PCMINE
UNDILUTED

| | | Tonnes | Volume (bcy) | Pb+Zn (%) | Metal (tonnes) |
|---|---|---|---|---|---|
| 10 | 4-5% | 87,900 | 35,355 | 4.48 | 3,936 |
| | 5-7% | 254,870 | 80,531 | 6.03 | 15,361 |
| | +7% | 420,730 | 124,399 | 8.48 | 35,686 |
| | +5% | 675,600 | 204,930 | 7.56 | 51,047 |
| | +4% | 763,300 | 240,285 | 7.20 | 54,983 |
| 90 | 4-5% | 60,460 | 22,916 | 4.68 | 2,829 |
| | 5-7% | 320,900 | 112,613 | 5.96 | 19,119 |
| | +7% | 170,430 | 49,104 | 7.86 | 13,401 |
| | +5% | 491,330 | 161,718 | 6.62 | 32,520 |
| | +4% | 551,790 | 184,633 | 6.41 | 35,349 |
| 70 | 4-5% | 55,360 | 22,916 | 4.48 | 2,482 |
| | 5-7% | 126,490 | 40,593 | 5.98 | 7,562 |
| | +7% | 196,370 | 58,271 | 8.47 | 16,633 |
| | +5% | 322,860 | 98,864 | 7.49 | 24,194 |
| | +4% | 378,220 | 121,779 | 7.05 | 26,676 |
| 50 | 4-5% | 10,700 | 4,583 | 4.45 | 476 |
| | 5-7% | 36,020 | 15,059 | 5.99 | 2,156 |
| | +7% | 201,750 | 64,163 | 7.94 | 16,009 |
| | +5% | 237,770 | 79,222 | 7.64 | 18,165 |
| | +4% | 248,470 | 83,805 | 7.50 | 18,640 |
| 30 | 4-5% | 40,090 | 17,678 | 4.51 | 1,808 |
| nd | 5-7% | 84,350 | 34,046 | 6.16 | 5,192 |
| 10 | +7% | 27,570 | 9,821 | 7.71 | 2,126 |
| | +5% | 111,920 | 43,867 | 6.54 | 7,318 |
| | +4% | 132,010 | 61,344 | 6.00 | 9,126 |
| otal | 4-5% | 254,510 | 103,447 | 4.53 | 11,530 |
| 10 | 5-7% | 822,630 | 282,843 | 6.00 | 49,389 |
| 0 | +7% | 1,016,850 | 305,758 | 8.25 | 83,855 |
| 10 | +5% | 1,839,480 | 588,600 | 7.24 | 133,244 |
| | +4% | 2,083,990 | 692,047 | 6.91 | 144,774 |

BLASTHOLE

at 3 tonnes/bcy for all rocks

| | | Tonnes | Volume (bcy) | Pb+Zn (%) | Metal (tonnes) |
|---|---|---|---|---|---|
| 10 | 4-5% | 74,276 | 24,759 | 4.56 | 3,387 |
| | 5-7% | 308,952 | 102,984 | 6.08 | 18,784 |
| | +7% | 303,569 | 101,190 | 9.04 | 27,443 |
| | +5% | 612,521 | 204,174 | 7.55 | 46,227 |
| | +4% | 686,797 | 228,932 | 7.22 | 49,614 |
| 90 | 4-5% | 77,223 | 25,741 | 4.99 | 3,853 |
| | 5-7% | 200,245 | 66,748 | 6.21 | 12,435 |
| | +7% | 202,520 | 67,507 | 8.54 | 17,295 |
| | +5% | 402,765 | 134,255 | 7.38 | 29,730 |
| | +4% | 479,988 | 159,996 | 7.00 | 33,584 |
| 70 | 4-5% | 42,875 | 14,292 | 4.74 | 2,032 |
| | 5-7% | 143,172 | 47,724 | 6.13 | 8,776 |
| | +7% | 256,933 | 85,651 | 8.36 | 21,481 |
| | +5% | 400,125 | 133,375 | 7.56 | 30,258 |
| | +4% | 443,000 | 147,667 | 7.29 | 32,290 |
| 50 | 4-5% | 64,167 | 21,389 | 4.53 | 2,907 |
| | 5-7% | 71,083 | 23,694 | 6.56 | 4,663 |
| | +7% | 102,333 | 34,111 | 8.09 | 8,279 |
| | +5% | 173,416 | 57,805 | 7.46 | 12,942 |
| | +4% | 237,583 | 79,194 | 6.67 | 15,849 |
| 30 | 4-5% | 36,000 | 12,000 | 4.87 | 1,753 |
| nd | 5-7% | 10,967 | 3,656 | 5.75 | 631 |
| 10 | +7% | 28,606 | 9,535 | 8.56 | 2,449 |
| | +5% | 39,573 | 13,191 | 7.78 | 3,079 |
| | +4% | 75,573 | 25,191 | 6.39 | 4,832 |
| otal | 4-5% | 294,541 | 98,180 | 4.73 | 13,933 |
| 10 | 5-7% | 734,419 | 244,806 | 6.17 | 45,290 |
| 0 | +7% | 893,981 | 297,994 | 8.61 | 76,947 |
| 10 | +5% | 1,628,400 | 542,800 | 7.51 | 122,236 |
| | +4% | 1,922,841 | 640,980 | 7.08 | 136,148 |

IRRAGH RESOURCES INC.
RO MINE
' Phase Predicted Ore Quantities - 3630 Bench

# TABLE II

| | | ACTUAL DIG LIMITS F8805 MODEL GEOL COMP,STRICT MATCH CALCULATED BY PCMINE UNDILUTED | | | | ACTUAL DIG LIMITS F8805 MODEL GEOL COMP,LOOSE MATCH CALCULATED BY PCMINE UNDILUTED | | | | ACTUAL DIG LIMITS F8805 MODEL BENCH COMP,STRICT MATCH CALCULATED BY PCMINE UNDILUTED | | | | ACTUAL DIG LIMITS F8805 MODEL BENCH COMP,LOOSE MATCH CALCULATED BY PCMINE UNDILUTED | | | | BLASTHOLE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Tonnes | Volume | Pb+Zn (%) | Metal (tonnes) | Tonnes | Volume | Pb+Zn (%) | Metal (tonnes) | Tonnes | Volume | Pb+Zn (%) | Metal (tonnes) | Tonnes | Volume | Pb+Zn (%) | Metal (tonnes) | Tonnes | Volume | Pb+Zn (%) | Metal (tonnes) |
| 30 | 4-5% | 3,230 | 1,310 | 4.29 | 139 | | | | 0 | 1,790 | 655 | 4.19 | 75 | 26,260 | 9,821 | 4.37 | 1,147 | 7,535 | 2,512 | 4.28 | 322 |
| | 5-7% | 1,880 | 655 | 6.03 | 113 | | | | 0 | 45,820 | 15,059 | 6.35 | 2,911 | 61,110 | 20,951 | 5.99 | 3,659 | 27,952 | 9,317 | 6.55 | 1,831 |
| | +7% | 175,340 | 53,033 | 10.40 | 18,230 | | | | 0 | 26,380 | 8,511 | 7.34 | 1,936 | 88,780 | 28,808 | 8.37 | 7,434 | 97,401 | 32,467 | 9.68 | 9,428 |
| | +5% | 177,220 | 53,688 | 10.35 | 18,343 | 0 | 0 | ERR | 0 | 72,200 | 23,570 | 6.71 | 4,847 | 149,890 | 49,759 | 7.40 | 11,094 | 125,353 | 41,784 | 8.98 | 11,259 |
| | +4% | 180,450 | 54,997 | 10.24 | 18,482 | 0 | 0 | ERR | 0 | 73,990 | 24,225 | 6.65 | 4,922 | 176,150 | 59,580 | 6.95 | 12,241 | 132,888 | 44,296 | 8.72 | 11,582 |
| | | | | | | | | | | lots of UI blocks? | | | | | | | | | | | |
| ap | 4-5% | 0 | 0 | 0.00 | 0 | | | | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | | | | |
| | 5-7% | 0 | 0 | 0.00 | 0 | | | | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | | | | |
| | +7% | 13,195 | 3,928 | 8.87 | 1,171 | | | | 0 | 0 | 0 | 0.00 | 0 | 13,105 | 3,928 | 8.86 | 1,161 | | | | |
| | +5% | 13,195 | 3,928 | 8.87 | 1,171 | 0 | 0 | ERR | 0 | 0 | 0 | ERR | 0 | 13,105 | 3,928 | 8.86 | 1,161 | | | | |
| | +4% | 13,195 | 3,928 | 8.87 | 1,171 | 0 | 0 | ERR | 0 | 0 | 0 | ERR | 0 | 13,105 | 3,928 | 8.86 | 1,161 | | | | |
| tal | 4-5% | 3,230 | 1,310 | 4.29 | 139 | 4-5% | 0 | 0 | ERR | 1,790 | 655 | 4.19 | 75 | 26,260 | 9,821 | 4.37 | 1,147 | 7,535 | 2,512 | 4.28 | 322 |
| | 5-7% | 1,880 | 655 | 6.03 | 113 | 5-7% | 0 | 0 | ERR | 45,820 | 15,059 | 6.35 | 2,911 | 61,110 | 20,954 | 5.99 | 3,659 | 27,952 | 9,317 | 6.55 | 1,831 |
| | +7% | 188,535 | 56,961 | 10.29 | 19,401 | +7% | 0 | 0 | ERR | 26,380 | 8,511 | 7.34 | 1,936 | 101,885 | 32,736 | 8.44 | 8,595 | 97,401 | 32,467 | 9.68 | 9,428 |
| | +5% | 190,415 | 57,616 | 10.25 | 19,514 | +5% | 0 | ERR | ERR | 72,200 | 23,570 | 6.71 | 4,847 | 162,995 | 53,688 | 7.52 | 12,254 | 125,353 | 41,784 | 8.98 | 11,259 |
| | +4% | 193,645 | 58,926 | 10.15 | 19,653 | +4% | 0 | ERR | ERR | 73,990 | 24,225 | 6.65 | 4,922 | 189,255 | 63,508 | 7.08 | 13,402 | 132,888 | 44,296 | 8.72 | 11,582 |

KRAGH RESOURCES INC. 24-Aug-89
RD MINE
TAL MINING RESERVES
LE : MODCOMP.WR1

# TABLE III

| | ACTUAL DIG LIMITS<br>F8805 MODEL<br>GEOL COMP,STRICT MATCH<br>CALCULATED BY PCMINE<br>UNDILUTED | | | | | ACTUAL DIG LIMITS<br>F8805 MODEL<br>GEOL COMP,STRICT MATCH<br>CALCULATED BY PCMINE<br>DILUTED | | | ACTUAL DIG LIMITS<br>F8908 MODEL<br>BENCH COMP,LOOSE MATCH<br>CALCULATED BY PCMINE<br>UNDILUTED | | | | | BLASTHOLE<br>CALCULATION<br>(AVERAGE ORE DENSITY = 3MT/BCY) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Tonnes | Volume | Density at/bcy | Pb+Zn (%) | Metal (tonnes) | Tonnes | Pb+Zn (%) | Metal (tonnes) | | Tonnes | Volume | Density at/bcy | Pb+Zn (%) | Metal (tonnes) | | Tonnes | Volume bcy | Density at/bcy | Pb+Zn (%) | Metal (tonnes) |
| art-up | 4-5% | 893,260 | 357,481 | 2.50 | 4.54 | 40,536 | 933,457 | 4.13 | 38,509 | 4-5% | 1,839,920 | 643,073 | 2.86 | 4.51 | 82,962 | 4-5% | 1,443,459 | 481,153 | 3.00 | 4.77 | 68,853 |
| | 5-6% | 1,261,120 | 472,746 | 2.67 | 5.50 | 69,412 | 1,317,870 | 5.00 | 65,941 | 5-6% | 2,214,860 | 753,264 | 2.94 | 5.53 | 122,482 | | | | | | |
| ne 30 89 | 6-7% | 1,525,020 | 524,470 | 2.91 | 6.49 | 99,020 | 1,593,646 | 5.90 | 94,069 | 6-7% | 2,193,740 | 715,323 | 3.07 | 6.51 | 142,747 | | | | | | |
| | +7% | 9,359,150 | 2,895,171 | 3.23 | 10.16 | 950,796 | 9,780,312 | 9.24 | 903,256 | +7% | 7,930,020 | 2,498,210 | 3.17 | 9.70 | 769,291 | | | | | | |
| | +6% | 10,884,170 | 3,419,640 | 3.18 | 9.65 | 1,049,816 | 11,373,958 | 8.77 | 997,325 | +6% | 10,123,760 | 3,213,532 | 3.15 | 9.01 | 912,038 | | | | | | |
| | +5% | 12,145,290 | 3,892,386 | 3.12 | 9.22 | 1,119,228 | 12,691,828 | 8.38 | 1,063,266 | +5% | 12,338,620 | 3,966,796 | 3.11 | 8.38 | 1,034,520 | +5% | 12,279,176 | 4,093,059 | 3.00 | 8.46 | 1,038,818 |
| | +4% | 13,038,550 | 4,249,868 | 3.07 | 8.89 | 1,159,764 | 13,625,285 | 8.09 | 1,101,776 | +4% | 14,178,540 | 4,609,870 | 3.08 | 7.88 | 1,117,482 | +4% | 13,722,635 | 4,574,212 | 3.00 | 8.07 | 1,107,671 |
| ne 30 89 | 4-5% | 1,377,870 | 535,698 | 2.57 | 4.47 | 61,605 | 1,439,874 | 4.06 | 58,524 | 4-5% | 2,360,490 | 829,507 | 2.85 | 4.49 | 105,939 | | | | | | |
| | 5-6% | 1,092,250 | 429,141 | 2.55 | 5.50 | 60,030 | 1,141,401 | 5.00 | 57,029 | 5-6% | 2,037,340 | 710,150 | 2.87 | 5.50 | 112,135 | | | | | | |
| timate | 6-7% | 1,179,520 | 446,000 | 2.64 | 6.52 | 76,940 | 1,232,598 | 5.93 | 73,093 | 6-7% | 2,039,860 | 698,627 | 2.92 | 6.49 | 132,285 | | | | | | |
| t | +7% | 7,821,850 | 2,461,778 | 3.18 | 9.96 | 779,134 | 8,173,833 | 9.06 | 740,178 | +7% | 6,863,540 | 2,212,587 | 3.10 | 9.27 | 636,525 | | | | | | |
| | +6% | 9,001,370 | 2,907,778 | 3.10 | 9.51 | 856,075 | 9,406,432 | 8.65 | 813,271 | +6% | 8,903,400 | 2,911,214 | 3.06 | 8.64 | 768,810 | | | | | | |
| | +5% | 10,093,620 | 3,336,919 | 3.02 | 9.08 | 916,105 | 10,547,833 | 8.25 | 870,299 | +5% | 10,940,740 | 3,621,364 | 3.02 | 8.05 | 880,945 | | | | | | |
| | +4% | 11,471,490 | 3,872,617 | 2.96 | 8.52 | 977,709 | 11,987,707 | 7.75 | 928,824 | +4% | 13,301,230 | 4,450,871 | 2.99 | 7.42 | 986,884 | | | | | | |
| tal | 4-5% | 2,271,130 | 893,180 | 2.54 | 4.50 | 102,141 | 2,373,331 | 4.09 | 97,034 | 4-5% | 4,200,410 | 1,472,580 | 2.85 | 4.50 | 188,901 | | | | | | |
| ning | 5-6% | 2,353,370 | 901,887 | 2.61 | 5.50 | 129,442 | 2,459,272 | 5.00 | 122,970 | 5-6% | 4,252,200 | 1,463,414 | 2.91 | 5.52 | 234,617 | | | | | | |
| serves | 6-7% | 2,704,540 | 970,470 | 2.79 | 6.51 | 175,960 | 2,826,244 | 5.91 | 167,162 | 6-7% | 4,233,600 | 1,413,950 | 2.99 | 6.50 | 275,032 | | | | | | |
| | +7% | 17,181,000 | 5,356,949 | 3.21 | 10.07 | 1,729,931 | 17,954,145 | 9.15 | 1,643,434 | +7% | 14,793,560 | 4,710,797 | 3.14 | 9.50 | 1,405,816 | | | | | | |
| | +6% | 19,885,540 | 6,327,419 | 3.14 | 9.58 | 1,905,890 | 20,780,389 | 8.71 | 1,810,596 | +6% | 19,027,160 | 6,124,747 | 3.11 | 8.83 | 1,680,848 | | | | | | |
| | +5% | 22,238,910 | 7,229,306 | 3.08 | 9.15 | 2,035,332 | 23,239,661 | 8.32 | 1,933,566 | +5% | 23,279,360 | 7,588,161 | 3.07 | 8.23 | 1,915,464 | | | | | | |
| | +4% | 24,510,040 | 8,122,485 | 3.02 | 8.72 | 2,137,473 | 25,612,992 | 7.93 | 2,030,599 | +4% | 27,479,770 | 9,060,741 | 3.03 | 7.66 | 2,104,365 | | | | | | |

LOADING SLAG

HAULING SLAG - FARO

OFF LOAD FARO

STORAGE & HANDLE - FARO

REHANDLE TO MILL -

PROCESSING MILL - 2x Current 14.80

ASSAY & ANALYSIS -

HAZARD WASTE EXPERT -

FUTURE LIABILITY -

INDEM FROM PCB ETC -