

005043

C U R R A G H R E S O U R C E S I N C

INTER-OFFICE MEMORANDUM

FARO OFFICE

DATE: September 28, 1990

TO: WM. W. DUNN
CHIEF ENGINEER

FROM: DAVE TENNEY
CHIEF GEOLOGIST

SUBJECT: GRADE OF "B" (CRUSHER) HIGH GRADE STOCKPILE

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The grade of the crusher high grade ("B") stockpile was recently estimated as 9.04% Pb + Zn using blasthole data. Our own experience suggests this is an overestimate, and Dagbert (Page 45) confirms that this is likely to be the case for any blasthole block in the Faro Pit with an assayed grade of above 7.27% Pb + Zn. Using his regression formula for actual (Y) against blasthole grade (x)

$$Y = 0.56 x + 3.2$$

the actual grade of a blasthole assaying 9.04% Pb + Zn would be 8.27%. This suggests my previous estimate of 8.0% is reasonable and possibly even slightly low, and for the sake of more accurate predictions, it is the grade we should use.

If a stockpile grade of 7.69% is assumed, the September MTD Blasthole Crusher Feed Grade matches MTD Mill Head Grade at 8.11% combined Pb + Zn. However, there may be significantly better grade remaining in the "B" Stockpile than we have mucked this month.

The 8% stockpile grade will be reviewed as mucking progresses.

D. Tenney

Dave Tenney
Chief Geologist

DT:cc

cc: D. Basso
B. Pisony
J. Vandenbroeck
B. Sanden
Grade Control Technicians

CURRABH RESOURCES INC.

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1991 Budget Millfeed

02-Oct-90

8.00 Pb+Zn H-G S/P

	01-Sep 30-Sep	01-Oct 31-Oct	01-Nov 30-Nov	01-Dec 31-Dec	01-Jan 31-Jan	01-Feb 28-Feb	01-Mar 31-Mar	01-Apr 30-Apr	01-May 31-May	01-Jun 30-Jun	01-Jul 31-Jul	01-Aug 31-Aug	01-Sep 30-Sep	01-Oct 31-Oct	01-Nov 30-Nov	01-Dec 31-Dec	Total	1991 Subtotal
Tot Conc Prod																		
Feed	395730	408921	377316	219152	184544	157239	255973	162638	174710	325603	403000	403000	374000	138500	133850	93550	4207725	2806606
% Pb + Zn	8.39	8.31	8.20	8.15	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.29	8.30
% Pb	3.10	3.13	2.98	3.09	2.89	3.02	2.85	3.09	3.16	2.95	2.95	2.92	2.97	3.14	3.14	3.14	3.01	2.98
% Zn	5.29	5.18	5.22	5.07	5.41	5.28	5.45	5.21	5.14	5.35	5.35	5.39	5.33	5.16	5.16	5.16	5.28	5.32
g/t Ag	36	39	31	29	33	36	28	37	35	27	26	31	29	41	41	41	32	31
g/t Au	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pb Conc	16400	17146	15038	9054	7036	6191	9590	6549	7191	12541	15413	15112	14336	5476	5297	3703	166072	108434
% Pb Grade	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00
% Pb Rec	79.00	79.00	79.00	79.00	77.96	76.87	77.47	76.94	76.92	77.07	76.55	75.87	76.15	74.33	74.34	74.35	77.28	76.39
g/t Ag	435	468	388	354	428	447	369	446	413	339	329	392	357	492	492	492	403	394
% Ag Rec	50.00	50.00	50.00	50.00	49.40	48.89	49.14	48.97	49.01	48.96	48.24	48.06	47.99	47.58	47.58	47.59	49.00	48.44
g/t Au	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Au Rec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zn Conc	31613	31972	29744	16759	14886	12230	20670	12475	13265	25777	31645	31676	29213	10211	9876	6904	328915	218828
% Zn Grade	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00
% Zn Rec	77.00	77.00	77.00	77.00	75.98	75.09	75.61	75.06	75.28	75.41	74.88	74.42	74.70	72.89	72.90	72.91	75.51	74.79
Tot Conc	48013	49118	44782	25813	21921	18421	30260	19024	20456	38318	47058	46789	43549	15687	15173	10607	494987	327262
Target MF	395730 8.39	408921 8.31	395730 8.20	408921 8.15	403000 8.30	364000 8.30	403000 8.30	390000 8.30	403000 8.30	390000 8.30	403000 8.30	403000 8.30	390000 8.30	403000 8.30	390000 8.30	403000 8.30		
Req'q Vangorda	0 0.00	0 0.00	18414 8.20	189769 8.15	218457 8.30	206761 8.30	147027 8.30	227362 8.30	228290 8.30	64397 8.30	0 0.00	0 0.00	16000 8.30	264500 8.30	256150 8.30	309450 8.30	2146577	1938394
Vangorda Bulk Sample		100000																
Cumulative Net	0	100000	118414	308183	526640	733401	880428	1107790	1336080	1400477	1400477	1400477	1416477	1680977	1937127	2246577		
Vangorda Haul (tpm) (+300,000 Faro SP) @ 8 Months = 243		216933	209935	216933	216933	195940	216933	0	216933	209935							1700477	1056675