

CURRAGH RESOURCES INC.
 FARD MINE, SIMULATED 1990 BUDGET-ASSUMING THAT HIGH GRADE TO LOW GRADE RATIO ALTERED BUT TOTAL METAL KEPT CONSTANT

019907

THIS IS A SENSITIVITY CALCULATION ONLY, WHAT IF PLAN WAS LIKE THIS YEAR

ACTUAL DATA FROM 1990 PRELIMINARY BUDGET IN MAXIPLAN USING F8805 MODEL

Overall Summary: FARD			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Rock Waste - Tonnes			863,043	658,321	749,922	623,188	508,835	400,869	377,236	346,431	216,240	145,158	50,504	97,603	5,037,350
Calc Waste - Tonnes			0	0	0	0	0	0	0	0	0	0	0	0	0
Sulph Waste - Tonnes			87,142	233,194	152,178	217,381	137,474	106,643	285,482	215,333	281,796	338,334	423,377	345,323	2,823,656
Total Waste - Tonnes			950,186	891,515	902,100	840,569	646,309	507,512	662,718	561,763	498,037	483,492	473,881	442,926	7,861,006
Ore Mined :	L. G. Ore	Tonnes	17,994	38,619	20,697	28,880	64,588	111,186	28,086	60,448	78,679	108,100	6,338	145,762	709,376
		%Pb+Zn	4.18	4.09	3.86	4.12	4.04	4.01	3.92	4.10	4.08	3.99	4.19	4.08	4.05
	M. G. Ore	Tonnes	44,569	121,656	147,099	122,056	113,166	122,674	101,632	119,251	121,090	114,307	41,051	135,165	1,303,715
	+7%	%Pb+Zn	5.42	5.58	5.81	5.57	5.44	5.42	5.54	5.52	5.52	5.55	5.65	5.40	5.54
		METAL													
	H. G. Ore	Tonnes	359,171	248,467	336,026	387,621	276,861	297,414	290,093	344,513	318,434	295,187	456,978	314,567	3,925,333
	4-5%	%Pb+Zn	8.63	8.22	7.93	8.79	8.85	8.59	7.94	8.79	9.15	9.12	8.88	8.63	8.64
		METAL													
	BOTH HG&MG	Tonnes	403,740	370,124	483,125	509,677	390,027	420,087	391,724	463,764	439,525	409,494	498,028	449,732	5,229,047
	+5%	%Pb+Zn	8.28	7.35	7.28	8.02	7.86	7.66	7.32	7.95	8.15	8.13	8.61	7.66	7.87
		METAL													
	ALL ORE	Tonnes	421,734	408,743	503,821	538,556	454,615	531,273	419,810	524,212	518,203	517,594	504,366	595,494	5,938,423
	+4%	%Pb+Zn	8.10	7.05	7.14	7.81	7.32	6.90	7.09	7.50	7.53	7.26	8.56	6.78	7.41
		METAL													
Total Mined - Tonnes			1,371,920	1,300,258	1,405,921	1,379,125	1,100,924	1,038,785	1,082,528	1,085,976	1,016,240	1,001,086	978,247	1,038,420	13,799,429
STRIPPING RATIO (tns WASTE/tns ORE)			2.3	2.2	1.8	1.6	1.4	1.0	1.6	1.1	1.0	0.9	0.9	0.7	1.3

M
30%
I
40%
70%
60%

162,300

METAL

METAL

5%

EXPERIENCE SHOWS THAT THE RATIO OF HIGH GRADE TO MEDIUM GRADE ORE IN THE BZ PHASE WAS

18% 31% OF METAL IS IN THE MEDIUM GRADE CLASS
 25% 41% OF THE TONNAGE IS IN THE MEDIUM GRADE CLASS) above 5%

RECAST WITH THE ABOVE RATIOS OF MEDIUM GRADE TO HIGH GRADE, KEEPING TOTAL METAL ABOVE 5% CONSTANT

Ore Mined :	L. G. Ore	Tonnes	17,994	38,619	20,697	28,880	64,588	111,186	28,086	60,448	78,679	108,100	6,338	145,762	709,376
		%Pb+Zn	4.18	4.09	3.86	4.12	4.04	4.01	3.92	4.10	4.08	3.99	4.19	4.08	4.05
	M. G. Ore	Tonnes	165,534	151,751	198,081	208,967	159,911	172,236	160,607	190,143	180,205	167,892	204,192	184,390	2,143,909
		%Pb+Zn	6.26	5.56	5.51	6.06	5.94	5.79	5.53	6.01	6.16	6.14	6.51	5.79	5.95
	H. G. Ore	Tonnes	238,207	218,373	285,044	300,709	230,116	247,852	231,117	273,621	259,319	241,601	293,837	265,342	3,085,138
		%Pb+Zn	9.68	8.60	8.52	9.38	9.19	8.96	8.56	9.29	9.53	9.50	10.07	8.96	9.20
Total Ore (surface)	- Tonnes		421,734	408,743	503,821	538,556	454,615	531,273	419,810	524,212	518,203	517,594	504,366	595,494	5,938,423

MILL FEED ASSUMING ALL HIGH GRADE TO MILL FROM PIT, ALL UNDERGROUND TO MILL AND MAKE UP WITH MEDIUM GRADE
 !! NO OPENING HIGH GRADE STOCKPILE FROM 1989 !!!

FEED RATE (t/d)	400000	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Pit Ore To Mill (all high grade)	tonnes grade Pb+Zn	238,207 9.68	218,373 8.60	285,044 8.52	300,709 9.38	230,116 9.19	247,852 8.96	231,117 8.56	273,621 9.29	259,319 9.53	241,601 9.50	293,837 10.07	265,342 8.96	3,085,138 9.20
stockpile to mill (medium grade at avg. for that class)	tonnes grade Pb+Zn	157,793 6.26	166,327 5.56	97,056 5.51	60,551 6.06	118,574 5.94	101,608 5.79	118,413 5.53	75,909 6.01	91,841 6.16	107,929 6.14	56,963 6.51	83,938 5.79	1,236,902 5.91
Underground Ore to Mill	tonnes grade Pb+Zn	4,000 10.10	15,300 10.10	17,900 10.11	38,740 10.19	51,310 10.23	50,540 10.41	50,470 10.42	50,470 10.41	48,840 10.41	50,470 10.20	49,200 10.04	50,720 10.02	477,960 10.25
Total Mill Feed	tonnes grade Pb+Zn	400,000 8.33	400,000 7.39	400,000 7.86	400,000 8.96	400,000 8.36	400,000 8.34	400,000 7.90	400,000 8.81	400,000 8.87	400,000 8.68	400,000 9.56	400,000 8.43	4,800,000 8.46

CONCENTRATE PRODUCTION

no separate lead and zinc data so average used for lead and zinc combined

avg recovery	0.78 tonnes conc.	47,280	41,945	44,588	50,807	47,440	47,316	44,789	49,976	50,290	49,266	54,232	47,801	575,728
average grade	0.55													
for comparison if ratio unchanged from preliminary plan, no stockpiles the concentrate would be		50,020	44,095	47,816	54,728	50,089	50,201	47,268	53,426	53,561	52,210	58,355	50,984	612,753

△ 36000

~~400000 tons~~
 from stockpile