

# FB910 MODEL COMPARISONS

003508

CURRAGH RESOURCES INC.      05-Oct-89  
 FARD MINE  
 TOTAL MINING RESERVES  
 FILE : MDDCOMP.WRI

ACTUAL DIG LIMITS  
 FB805 MODEL  
 GEOL COMP, STRICT MATCH  
 CALCULATED BY PCMINE  
 UNDILUTED

ACTUAL DIG LIMITS  
 FB805 MODEL  
 GEOL COMP, STRICT MATCH  
 CALCULATED BY PCMINE  
 DILUTED

ACTUAL DIG LIMITS  
 FB908 MODEL  
 BENCH COMP, LOOSE MATCH  
 CALCULATED BY PCMINE  
 UNDILUTED *no mining loss*

ACTUAL DIG LIMITS  
 BENCH COMP, LOOSE MATCHING  
 FB910 INTERPRETATION  
 CALCULATED BY PCMINE  
 UNDILUTED NO MINING LOSS

	Tonnes	Volume	Density	Pb+Zn	Metal		Tonnes	Pb+Zn	Metal		Tonnes	Volume	Density	Pb+Zn	Metal		Tonnes	Volume	Density	Pb+Zn	Metal
		mt/bcy	(%)	(tonnes)				(%)	(tonnes)			mt/bcy	(%)	(tonnes)				mt/bcy	(%)	(tonnes)	
Start-up to June 30 89	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%	1,966,230	691,491	2.84	4.52	88,874
	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	5-6%	2,139,950	733,491	2.92	5.52	118,125
	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	6-7%	2,192,370	724,521	3.03	6.51	142,723
	+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	+7%	7,982,710	2,501,614	3.19	9.66	771,130
	+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	+6%	10,175,080	3,226,136	3.15	8.98	913,853
June 30 89 to Ultimate Pit	+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%	12,315,030	3,959,627	3.11	8.38	1,031,978
	+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%	14,281,260	4,651,118	3.07	7.85	1,120,852
	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	4-5%	2,287,060	811,731	2.82	4.49	102,712
	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	5-6%	2,233,490	780,435	2.86	5.51	122,976
	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	6-7%	2,033,590	700,755	2.90	6.48	131,838
Total Mining Reserves	+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	+7%	6,806,480	2,186,661	3.11	9.02	613,740
	+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	+6%	8,840,070	2,887,416	3.06	8.43	745,578
	+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	+5%	11,073,560	3,667,851	3.02	7.84	868,554
	+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	+4%	13,360,620	4,479,582	2.98	7.27	971,266
	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	4-5%	4,253,290	1,503,222	2.83	4.50	191,585
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	5-6%	4,373,440	1,513,926	2.89	5.51	241,101	
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	6-7%	4,225,960	1,425,276	2.97	6.50	274,561	
+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	+7%	14,789,190	4,688,276	3.15	9.36	1,384,870	
+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	+6%	19,015,150	6,113,552	3.11	8.73	1,659,431	
+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	+5%	23,388,590	7,627,478	3.07	8.13	1,900,532	
+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	+4%	27,641,880	9,130,700	3.03	7.57	2,092,118	

BLASTHOLE  
CALCULATION  
(AVERAGE ORE DENSITY = 3MT/BCY)

	Tonnes	Volume bcy	Density mt/bcy	Pb+Zn (%)	Metal (tonnes)
4-5%	1,443,459	481,153	3.00	4.77	68,853
+5%	12,279,176	4,093,059	3.00	8.46	1,038,818
+4%	13,722,635	4,574,212	3.00	8.07	1,107,671

ACTUAL DIG LIMITS  
FB805 MODEL  
GEOLOGICAL STRICT MATCH  
CALCULATED BY PC-MINE  
DILUTED 10%, 95% RECOVERY

ACTUAL DIG LIMITS  
FB805 MODEL  
BENCH COMP, STRICT MATCH  
CALCULATED BY PC-MINE  
DILUTED 10%, 95% RECOVERY

ACTUAL DIG LIMITS  
FB805 MODEL  
GEOLOGICAL LOOSE MATCH  
CALCULATED BY PC-MINE  
DILUTED 10%, 95% RECOVERY

ACTUAL DIG LIMITS  
FB908 MODEL  
BENCH COMP, LOOSE MATCH  
CALCULATED BY PC-MINE  
UNDILUTED 95% MINING RECOVERY

ACTUAL DIG LIMITS  
FB910 MODEL  
BENCH COMP, LOOSE MATCH  
CALCULATED BY PC-MINE  
UNDILUTED 95% MINING RECOVERY

BLASTHOLE  
DENSITY = 3 TNN/DCY  
FOR ALL BLOCKS

		ACTUAL DIG LIMITS FB805 MODEL GEOLOGICAL STRICT MATCH CALCULATED BY PC-MINE DILUTED 10%, 95% RECOVERY			ACTUAL DIG LIMITS FB805 MODEL BENCH COMP, STRICT MATCH CALCULATED BY PC-MINE DILUTED 10%, 95% RECOVERY			ACTUAL DIG LIMITS FB805 MODEL GEOLOGICAL LOOSE MATCH CALCULATED BY PC-MINE DILUTED 10%, 95% RECOVERY			ACTUAL DIG LIMITS FB908 MODEL BENCH COMP, LOOSE MATCH CALCULATED BY PC-MINE UNDILUTED 95% MINING RECOVERY			ACTUAL DIG LIMITS FB910 MODEL BENCH COMP, LOOSE MATCH CALCULATED BY PC-MINE UNDILUTED 95% MINING RECOVERY			BLASTHOLE DENSITY = 3 TNN/DCY FOR ALL BLOCKS		
		Tonnes	Pb+Zn (%)	Metal (tonnes)	Tonnes	Pb+Zn (%)	Metal (tonnes)	Tonnes	Pb+Zn (%)	Metal (tonnes)	Tonnes	Pb+Zn (%)	Metal (tonnes)	Tonnes	Pb+Zn (%)	Metal (tonnes)	Tonnes	Pb+Zn (%)	Metal (tonnes)
3410	4-5Z	41,445	4.15	1,720	122,192	4.04	4,942	61,049	4.13	2,519	83,505	4.48	3,739	86,260	4.47	3,855	74,276	4.56	3,387
	5-7Z	99,024	5.31	5,257	195,509	5.46	10,666	182,760	5.58	10,201	242,127	6.03	14,593	239,106	6.04	14,444	308,952	6.08	18,784
	+7Z	512,834	7.91	40,560	409,316	7.86	32,172	500,147	7.85	39,271	399,694	8.48	33,902	397,585	8.55	33,986	303,569	9.04	27,443
	+5Z	613,858	7.49	45,818	604,825	7.08	42,838	682,908	7.24	49,472	641,820	7.56	48,495	636,690	7.61	48,430	612,521	7.55	46,227
	+4Z	653,303	7.28	47,537	727,017	6.57	47,780	743,956	6.99	51,991	725,325	7.20	52,234	722,950	7.23	52,285	686,797	7.22	49,614
3390	4-5Z	40,954	4.26	1,743	41,936	4.27	1,790	55,145	4.20	2,318	57,437	4.68	2,687	58,131	4.65	2,704	77,223	4.99	3,853
	5-7Z	197,453	5.45	10,752	244,237	5.34	13,042	278,890	5.49	15,303	304,855	5.96	18,163	285,380	5.90	16,837	200,245	6.21	12,435
	+7Z	278,566	7.78	21,662	259,787	7.40	19,215	224,309	7.20	16,158	161,909	7.86	12,731	181,270	7.77	14,086	202,520	8.54	17,295
	+5Z	476,018	6.81	32,414	504,024	6.40	32,257	503,199	6.25	31,462	466,764	6.62	30,894	466,650	6.63	30,924	402,765	7.38	29,730
	+4Z	516,972	6.61	34,158	545,960	6.24	34,047	558,344	6.05	33,779	524,201	6.41	33,582	524,780	6.41	33,628	479,988	7.00	33,584
3370	4-5Z	53,619	4.42	2,372	49,627	4.10	2,036	54,319	4.42	2,403	52,592	4.48	2,358	56,297	4.46	2,510	42,875	4.74	2,032
	5-7Z	72,324	4.92	3,556	88,491	5.94	5,255	155,611	5.35	8,329	120,166	5.98	7,183	86,384	6.19	5,345	143,172	6.13	8,776
	+7Z	305,798	8.22	25,137	296,864	7.99	23,719	243,475	7.95	19,350	186,552	8.47	15,801	226,670	8.51	19,299	256,953	8.36	21,481
	+5Z	378,123	7.59	28,693	385,354	7.52	28,974	399,086	6.94	27,679	306,717	7.49	22,984	313,054	7.87	24,644	400,125	7.56	30,258
	+4Z	431,742	7.20	31,065	434,981	7.13	31,010	453,405	6.63	30,082	359,309	7.05	25,342	369,351	7.35	27,154	443,080	7.29	32,290
3350	4-5Z	44,120	4.13	1,822	12,624	4.13	522	44,109	4.13	1,822	10,165	4.45	452	10,127	4.41	446	64,167	4.53	2,907
	5-7Z	35,593	5.42	1,929	44,308	5.26	2,329	35,614	5.42	1,930	34,219	5.98	2,048	42,712	5.99	2,559	71,083	6.56	4,663
	+7Z	179,855	7.67	13,801	205,875	7.57	15,587	179,144	7.37	13,206	191,663	7.94	15,208	182,828	8.11	14,818	102,333	8.09	8,279
	+5Z	215,448	7.30	15,730	250,183	7.16	17,915	214,758	7.05	15,136	225,882	7.64	17,256	225,540	7.70	17,377	173,416	7.46	12,942
	+4Z	259,568	6.76	17,552	262,807	7.02	18,437	258,867	6.55	16,958	236,047	7.50	17,708	235,667	7.56	17,823	237,583	6.67	15,849
3330	4-5Z	23,617	4.07	961	26,883	4.12	1,108	23,617	4.07	961	38,086	4.51	1,717	46,712	4.48	2,093	36,000	4.87	1,753
TO	5-7Z	75,919	5.55	4,215	55,178	5.52	3,044	75,867	5.55	4,212	80,133	6.16	4,932	76,304	6.16	4,698	10,967	5.75	631
3310	+7Z	37,787	7.63	2,885	22,844	6.98	1,594	40,170	7.53	3,026	26,192	7.71	2,020	19,979	7.53	1,504	28,606	8.56	2,449
	+5Z	113,706	6.24	7,099	78,022	5.94	4,638	116,037	6.24	7,238	106,324	6.54	6,952	96,283	6.44	6,202	39,573	7.78	3,979
	+4Z	137,323	5.87	8,060	104,904	5.48	5,746	139,654	5.87	8,198	144,410	6.00	8,669	142,994	5.80	8,295	75,573	6.39	4,832
Total	4-5Z	203,754	4.23	8,618	253,261	4.11	10,397	238,239	4.21	10,022	241,785	4.53	10,954	257,526	4.51	11,608	294,541	4.73	13,933
3410	15-7Z	480,313	5.35	25,710	627,723	5.47	34,335	728,741	5.49	39,976	781,499	6.00	46,920	729,885	6.01	43,884	734,419	6.17	45,290
3310	+7Z	1,314,840	7.91	104,045	1,194,686	7.72	92,287	1,187,245	7.67	91,011	966,008	8.25	79,662	1,008,330	8.30	83,693	893,901	8.61	76,947
	+5Z	1,795,153	7.23	129,755	1,822,409	6.95	126,622	1,915,987	6.84	130,987	1,747,506	7.24	126,582	1,738,215	7.34	127,577	1,628,400	7.51	122,236
	+4Z	1,998,907	6.92	138,373	2,075,670	6.60	137,020	2,154,226	6.55	141,009	1,989,291	6.91	137,536	1,995,741	6.97	139,185	1,922,941	7.08	136,169