

CURRAGH RESOURCES GEOLOGY DEPARTMENT  
MONTH END REPORT  
JULY 1987

Comparisons of mined tonnage and grade with the mine models show the FI model corresponding better than the f8608 and the f8701a. The major discrepancy occurs on the 3530 bench at the southwest extremity of AY Phase (adjacent to the 10E dyke). Here the FI model accurately predicted tonnage whereas both the F8608 and F8701a were out 659% and 120% respectively (FI variance was -0.44%). Grade comparisons show the FI model to vary -3.6% and -2.1% for Pb and Zn respectively with blast hole calculations.

This month approximately 7,920 tonnes of low grade (stockpile A) was sent to the crusher to reduce a predicted high grade ore shortage at the end of AY Phase, and to allow for an inventory reduction in the lead and zinc thickeners.

Blast hole calculated grades accurately reflected actual mill heads for the reserves mined in July.

Contained silver was less than that planned for July (47 g/t compared to a forecast 55 g/t). The difference is a result of mining a higher proportion of lower silver ores (2ef/ec) north of the Faro fault than in the mine plan. Mine Model comparisons of contained silver for the reserves mined show no significant deviation from what was actually achieved in July.

CURRAGH RESOURCES GEOLOGY DEPT. MINED RESERVES COMPARISON  
JULY 1987 MONTH END

H I G H G R A D E

	Blast Holes	Computer Models		
		(F8608)	(FI)	(F8701A)
-----				
Bench: AY 3530				
%Pb	4.32	6.46	4.96	5.53
%Zn	5.85	6.43	6.47	5.63
%Comb	10.17	12.90	11.43	11.16
Ag (g/t)	55	93	65	77
Tonnes	47,140	6,210	47,350	21,444
-----				
Bench: AY 3510				
%Pb	4.12	3.92	4.53	2.55
%Zn	6.22	6.07	6.90	4.74
%Comb	10.34	9.99	11.43	7.29
Ag (g/t)	45	41	45	30
Tonnes	114,170	76,885	84,375	69,570
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Bench: AY 3490				
%Pb	3.85	3.38	3.52	3.82
%Zn	4.88	4.25	4.33	4.60
%Comb	8.72	7.63	7.85	8.42
Ag (g/t)	49	46	46.7	50
Tonnes	106,960	113,202	99,612	111,016
-----				
Bench: AY 3470				
%Pb	2.63	3.79		4.81
%Zn	2.96	5.24		5.62
%Comb	5.59	9.03		10.43
Ag (g/t)	27	59		69
Tonnes	3,467	1,520	0	3,530
-----				
Month Total				
%Pb	4.03	3.69	4.18	3.59
%Zn	5.59	5.03	5.71	4.77
%Comb	9.62	8.72	9.89	8.36
Ag (g/t)	48.08	45.63	49.83	46.37
Total Tonnes	271,737	197,817	231,337	205,560
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CURRAGH RESOURCES GEOLOGY DEPT. MINED RESERVES COMPARISON  
JULY 1987 MONTH END

H I G H G R A D E C O N T A I N E D M E T A L

	Blast Holes	Computer Models		
		(F8608)	(FI)	(F8701A)
=====				
Bench: AY 3530				
Pb tnns	2,036	401	2,349	1,186
Zn tnns	2,758	399	3,064	1,207
Comb tnns	4,794	801	5,412	2,393
Ag Kg	2,593	578	3,078	1,651
Ore Tonnes	47,140	6,210	47,350	21,444
=====				
Bench: AY 3510				
Pb tnns	4,704	3,014	3,822	1,774
Zn tnns	7,101	4,667	5,822	3,298
Comb tnns	11,805	7,681	9,644	5,072
Ag Kg	5,138	3,152	3,797	2,087
Ore Tonnes	114,170	76,885	84,375	69,570
=====				
Bench: AY 3490				
Pb tnns	4,118	3,826	3,506	4,241
Zn tnns	5,220	4,811	4,313	5,107
Comb tnns	9,327	8,637	7,820	9,348
Ag Kg	5,241	5,207	4,652	5,551
Ore Tonnes	106,960	113,202	99,612	111,016
=====				
Bench: AY 3470				
Pb tnns	91	58	0	170
Zn tnns	103	80	0	198
Comb tnns	194	137	0	368
Ag Kg	94	90	0	244
Ore Tonnes	3,467	1,520	0	3,530
=====				
Month Total				
Pb tnns	10,949	7,299	9,677	7,370
Zn tnns	15,181	9,957	13,199	9,810
Comb tnns	26,120	17,256	22,876	17,181
Ag Kg	13,065	9,027	11,527	9,533
Ore Tonnes	271,737	197,817	231,337	205,560
=====				

CURRAGH RESOURCES  
GEOLOGY DEPARTMENT SUMMARY REPORT  
JULY 1987 MONTH END  
(HIGH GRADE)

AY Phase	OreTnns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
F8608 Model	197,817	3.69	5.03	46	7,299	9,950	9,100
F8608 Diluted	217,599	3.35	4.57	42	7,299	9,950	9,100
FI Model	231,337	4.18	5.71	50	9,670	13,209	11,567
FI Diluted	254,471	3.80	5.19	45	9,670	13,209	11,567
F8701A Model	205,560	3.59	4.77	46	7,380	9,805	9,456
F8701A Diluted	226,116	3.26	4.34	42	7,380	9,805	9,456
Blast Holes	271,737	4.03	5.59	48	10,951	15,190	13,043
Truck Count	243,700						

% VARIANCE

Blast Hole	OreTnns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
vs:							
F8608 Model	37.4%	9.2%	11.1%	4.3%	50.0%	52.7%	43.3%
F8608 Diluted	24.9%	20.1%	22.2%	14.8%	50.0%	52.7%	43.3%
FI Model	17.5%	-3.6%	-2.1%	-4.0%	13.2%	15.0%	12.8%
FI Diluted	8.8%	6.1%	7.7%	5.6%	13.2%	15.0%	12.8%
F8701A Model	32.2%	12.3%	17.2%	4.3%	48.4%	54.9%	37.9%
F8701A Diluted	20.2%	23.5%	28.9%	14.8%	48.4%	54.9%	37.9%
Truck Count							
vs:							
F8608 Diluted	12.0%						
FI Diluted	-4.2%						
F8701A Diluted	7.8%						
Blast Holes	-10.3%						

INVENTORY

	Tonnes	%Pb	%Zn	Ag g/t	Change
BROKEN IN PIT:					
AY 3510 NN	196,461	4.01	5.02	57	
AY 3490 BB/DD	67,875	3.85	4.88	49	
STOCKPILE A:					
Ramp Zone Ore	6,000	4.57	4.46	45	
CRUSHER STOCKPILE:					
AY Ore	45,516	2.90	5.01	25	(44,980)
STOCKPILE B:	7,445	4.44	5.71	54	(52,553)
	=====	=====	=====	=====	
Total Inventory:					
Broken	264,336	3.97	4.98	55	
Stockpile	58,961	3.26	5.04	31	

CURRAGH RESOURCES GEOLOGY DEPT. MINED RESERVES COMPARISON  
JULY 1987 MONTH END

L O W   G R A D E

	Blast Holes	Computer Models		
		(F8608)	(FI)	(F8701A)
=====				
Bench: AY 3530				
%Pb				
%Zn				
%Comb				
Ag (g/t)				
Tonnes	0	0	0	0
-----				
Bench: AY 3510				
%Pb		1.30		
%Zn		3.55		
%Comb		4.84		
Ag (g/t)		17		
Tonnes	0	735	0	0
-----				
Bench: AY 3490				
%Pb	2.16	2.24	2.48	1.90
%Zn	2.14	2.24	2.33	2.75
%Comb	<del>2.30</del> 4.30	4.48	4.81	4.65
Ag (g/t)	24	31	45	26
Tonnes	8,893	18,400	24,250	26,147
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Bench: AY 3470				
%Pb			1.19	
%Zn			2.70	
%Comb			3.90	
Ag (g/t)			55	
Tonnes	0	0	3,850	0
=====				
Month Total				
%Pb	2.16	2.20	2.67	1.90
%Zn	2.14	2.29	2.38	2.75
%Comb	4.30	4.49	4.69	4.65
Ag (g/t)	24.00	30.46	46.37	26.00
Total Tonnes	8,893	19,135	28,100	26,147
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CURRAGH RESOURCES GEOLOGY DEPT. MINED RESERVES COMPARISON  
JULY 1987 MONTH END

L O W   G R A D E   C O N T A I N E D   M E T A L

	Blast Holes	Computer Models		
		(F8608)	(FI)	(F8701A)
=====				
Bench: AY 3530				
Pb tnns	0	0	0	0
Zn tnns	0	0	0	0
Comb tnns	0	0	0	0
Ag Kg	0	0	0	0
Ore Tonnes	0	0	0	0
=====				
Bench: AY 3510				
Pb tnns	0	10	0	0
Zn tnns	0	26	0	0
Comb tnns	0	36	0	0
Ag Kg	0	12	0	0
Ore Tonnes	0	735	0	0
=====				
Bench: AY 3490				
Pb tnns	192	412	601	497
Zn tnns	190	412	565	719
Comb tnns	205	824	1,166	1,216
Ag Kg	213	570	1,091	680
Ore Tonnes	8,893	18,400	24,250	26,147
=====				
Bench: AY 3470				
Pb tnns	0	0	46	0
Zn tnns	0	0	104	0
Comb tnns	0	0	150	0
Ag Kg	0	0	212	0
Ore Tonnes	0	0	3,850	0
=====				
Month Total				
Pb tnns	192	422	647	497
Zn tnns	190	438	669	719
Comb tnns	205	860	1,317	1,216
Ag Kg	213	583	1,303	680
Ore Tonnes	8,893	19,135	28,100	26,147
=====				

CURRAGH RESOURCES  
GEOLOGY DEPARTMENT SUMMARY REPORT  
JULY 1987 MONTH END  
(LOW GRADE)

AY Phase	OreTnns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
F8608 Model	19,135	2.20	2.29	30	421	438	574
F8608 Diluted	21,049	2.00	2.08	27	421	438	574
FI Model	28,100	2.67	2.38	46	750	669	1,293
FI Diluted	30,910	2.43	2.16	42	750	669	1,293
F8701A Model	26,147	1.90	2.75	26	497	719	680
F8701A Diluted	28,762	1.73	2.50	24	497	719	680
Blast Holes	8,893	2.16	2.14	24	192	190	213
Truck Count	10,565						

% VARIANCE

Blast Hole	OreTnns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
vs:							
F8608 Model	-53.5%	-1.8%	-6.6%	-20.0%	-54.4%	-56.6%	-62.8%
F8608 Diluted	-57.7%	8.0%	2.8%	-12.0%	-54.4%	-56.6%	-62.8%
FI Model	-68.4%	-19.1%	-10.1%	-47.8%	-74.4%	-71.5%	-83.5%
I Diluted	-71.2%	-11.0%	-1.1%	-42.6%	-74.4%	-71.5%	-83.5%
F8701A Model	-66.0%	13.7%	-22.2%	-7.7%	-61.3%	-73.5%	-68.6%
F8701A Diluted	-69.1%	25.1%	-14.4%	1.5%	-61.3%	-73.5%	-68.6%
Truck Count							
vs:							
F8608 Diluted	-49.8%						
FI Diluted	-65.8%						
F8701A Diluted	-63.3%						
Blast Holes	18.8%						

INVENTORY

	Tonnes	%Pb	%Zn	Ag g/t	Change
BROKEN IN PIT:	0				
STOCKPILE A:					
Non-graphitic Ore	341,052	1.99	2.62	27	2,585
STOCKPILE C:					
Graphitic Ore	236,945	1.20	3.60	19	
	=====	=====	=====	=====	
Total Inventory:					
Broken	0				
Stockpile	577,997	1.67	3.02	24	

Curragh Resources Geology Department  
 Primary Crusher Feed By Blast Hole Assay  
 July 1 to 30 1987

<u>PHASE/S.P.</u>	<u>TONNES</u>	<u>%Pb</u>	<u>%Zn</u>	<u>%COMB</u>	<u>Ag g/t</u>
AY 3530	47,140	4.32	5.85	10.17	55
AY 3510	114,170	4.12	6.22	10.34	45
AY 3490	106,960	3.85	4.88	8.73	49
AY 3470	3,467	2.63	2.96	5.59	27
	=====	=====	=====	=====	=====
Pit Total	271,737	4.03	5.59	9.62	48
From B Stple	52,553	4.52	5.84	10.36	54
From Cr Stple	44,980	2.89	4.98	7.87	26
From A Stple	7,980	1.99	2.62	4.61	27
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TOTAL	377,250	3.92	5.49	9.41	46

Reconciliation

AY Phase/S.P.	377,250	3.92	5.49	9.41	46
Met. Bal.	373,132	3.90	5.49	9.39	47
Forecast	345,000	4.18	5.51	9.69	55
Budget	343,000	4.26	5.43	9.69	56

% Variance

Total vs.					
Met. Bal.	1.10%	0.51%	0.00%	0.21%	-2.13%
Forecast	9.35%	-6.22%	-0.36%	-2.89%	-16.36%
Budget	9.99%	-7.98%	1.10%	-2.89%	-17.86%