020057

GEOLOGY DEPARTMENT MONTH END REPORT
MAY 1987

The FI and 8608 computer models accurately predicted total tonnes of mined reserves in May. However, contained zinc was significantly underestimated and contained silver was overestimated. Lead grade showed a close correspondence to model predictions. In May, the FI model showed a higher level of accuracy than the F8608 model. For the benches mined in May, both models have accurately projected the distribution of ore and grade within the bench and thus continue to be useful for detailed planning purposes.

Grade comparison between blast hole calculation and the metallurgical balance is very close even though 100,000 tonnes of ore was stockpiled during the month. Again, as last month, inaccuracies in truck counts and the Belt 1 weightometer has made it impossible to measure the tonnage addition to the crusher and coarse ore stockpiles. The addition to the crusher stockpile (including addition to the coarse ore stockpile) was calculated by subtracting rod mill feed from the blast hole tonnage mined during May. This, we believe, is a much more accurate method than using the current truck factors. Truck counts indicated 30% more ore mined during May than calculated by blast hole volumes.

Approximately 8,000 tonnes of high grade ore was mined out from the Zone 1 area to allow for the permanent ramp on 3530 elevation. An additional 22,000 tonnes of ore, predicted by the FI model but not the F8608 model, was also mined out in the southern portion of AY 3530.

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

H I G H G R A D E

	Blast Holes	Computer Models (F8608)	Computer Models (FI)	Truck count
Bench: AY 3530				
%Pb	3.24	3.14	3.64	
%Zn	5.32	4.84	5.20	
%Comb	8.56	7.98	8.84	
Ag (g/t)	31	39	44	
Tonnes	298,865	277,060	288,900	417,018
Bench: AY 3510				
%Pb	3.07	2.45	2.65	
%Zn	6.21	4.64	4.58	
%Comb	9.28	7.09	7.23	
Ag (g/t)	20	19	22	
Tonnes	149,153	130,190	137,840	193,332
Month Total				
%Pb	3.18	2.92	3.32	
%Zn	5.62	4.78	5.00	
%Comb	8.80	7.70	8.32	
Ag (g/t)	27	33	37	
Total Tonnes	448,018	407,250	426,740	610,350

CURRAGH RESOURCES GEOLOGY DEPT. MINED RESERVES COMPARISON
MAY 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)	Computer Models (FI)	Truck count
Bench: AY 3530				
Pb tnns	9,683	8,700	10,516	
Zn tnns	15,900	13,410	15,023	
Comb tnns	25,583	22,109	25,539	
Ag Kg	9,265	10,805	12,712	
Ore Tonnes	298,865	277,060	288,900	417018
Bench: AY 3510				
Pb tnns	4,579	3,190	3,653	
Zn tnns	9,262	6,041	6,313	
Comb tnns	13,841	9,230	9,966	
Ag Kg	2,983	2,474	3,032	
Ore Tonnes	149,153	130,190	137,840	193,332
Month Total				
Pb tnns	14,262	11,889	14,169	
Zn tnns	25,162	19,451	21,336	
Comb tnns	39,424	31,340	35,505	
Ag Kg	12,248	13,279	15,744	
Ore Tonnes	448,018	407,250	426,740	610,350

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

AY Phase	OreTns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
MODEL (F8608)	407,250	2.92	4.78	33	11,892	19,467	13,439
(F8608 DILUTED)	447,975	2.65	4.35	30	11,892	19,467	13,439
MODEL (FI)	426,740	3.32	5.00	37	14,168	21,337	15,789
(FI DILUTED)	469,414	3.02	4.55	34	14,168	21,337	15,789
BLAST HOLE	448,018	3.18	5.62	27	14,247	25,179	12,096
TRUCK COUNT	610,350						

% VARIANCE

	OreTns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
Blast Hole vs							
Model (F8608)	10.0%	8.9%	17.6%	-18.2%	19.8%	29.3%	-10.0%
(F8608 Diluted)	0.0%	19.8%	29.3%	-10.0%	19.8%	29.3%	-10.0%
Model (FI)	5.0%	-4.2%	12.4%	-27.0%	0.6%	18.0%	-23.4%
(FI Diluted)	-4.6%	5.4%	23.6%	-19.7%	0.6%	18.0%	-23.4%
Truck Count vs							
(F8608 Diluted)	36.2%						
(FI Diluted)	30.0%						
Blast Hole	36.2%						

INVENTORY

	TONNES	%Pb	%Zn	Ag g/t	Change
BROKEN IN PIT:					
Phase A; 3550	14,401	2.99	3.32	45	
STOCKPILE A:					
Ramp Zone Ore	6,000	4.57	4.46		
CRUSHER STOCKPILE:					
AY Ore	195,677	2.89	5.34	24	100,677
STOCKPILE B:					
Total Inventory:					
Broken	14,401	2.99	3.32	45	
Stockpile	201,677	2.94	5.31	24	

Double handled: 224,472 (Crusher Stockpile from truck count)

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

L O W G R A D E

	Blast Holes	Computer Models (F8608)	Computer Models (FI)	Truck count
Bench: AY 3530				
%Pb	2.11	1.29	1.29	
%Zn	2.16	3.20	3.30	
%Comb	4.47	4.49	4.59	
Ag (g/t)	30	11	12	
Tonnes	20,469	24,200	26,700	26,640
Bench: AY 3510				
%Pb		1.30	1.28	
%Zn		3.55	3.13	
%Comb		4.85	4.41	
Ag (g/t)		17	19	
Tonnes	0	370	870	324
Month Total				
%Pb	2.11	1.29	1.29	
%Zn	2.16	3.21	3.29	
%Comb	4.27	4.50	4.58	
Ag (g/t)	30	11	12	
Total Tonnes	20,469	24,570	27,570	26,964

CURRAGH RESOURCES GEOLOGY DEPT. MINED RESERVES COMPARISON
MAY 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)	Computer Models (FI)	Truck count
Bench: AY 3530				
Pb tnns	432	312	344	
Zn tnns	442	774	881	
Comb tnns	915	1,087	1,226	
Ag Kg	614	266	320	
Ore Tonnes	20,469	24,200	26,700	26,640
Bench: AY 3510				
Pb tnns	0	5	11	
Zn tnns	0	13	27	
Comb tnns	0	18	38	
Ag Kg	0	6	17	
Ore Tonnes	0	370	870	324
Month Total				
Pb tnns	432	317	356	
Zn tnns	442	788	908	
Comb tnns	915	1,105	1,264	
Ag Kg	614	272	337	
Ore Tonnes	20,469	24,570	27,570	26,964

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

AY Phase	OreTns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
MODEL (F8608)	24,570	1.29	3.21	11	317	789	270
(F8608 DILUTED)	27,027	1.17	2.92	10	317	789	270
MODEL (FI)	27,570	1.29	3.29	12	356	907	331
(FI DILUTED)	30,327	1.17	2.99	11	356	907	331
BLAST HOLE	20,469	2.11	2.16	30	432	442	614
TRUCK COUNT	26,964						

% VARIANCE

	OreTns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
Blast Hole vs							
Model (F8608)	-16.7%	63.6%	-32.7%	172.7%	36.3%	-43.9%	127.2%
(F8608 Diluted)	-24.3%	79.9%	-26.0%	200.0%	36.3%	-43.9%	127.2%
Model (FI)	-25.8%	63.6%	-34.3%	150.0%	21.4%	-51.3%	85.6%
(FI Diluted)	-32.5%	79.9%	-27.8%	175.0%	21.4%	-51.3%	85.6%

Truck Count vs	
(F8608 Diluted)	-0.2%
(FI Diluted)	-11.1%
Blast Hole	31.7%

INVENTORY

	TONNES	%Pb	%Zn	Ag g/t	
BROKEN IN PIT:					
AY 3550	5,290	1.95	2.29	28	
					Change
STOCKPILE A:					
Non graphitic ore:	338,467	1.97	2.64	27	20,469
STOCKPILE C					
Graphitic ore:	236,945	1.20	3.60	19	nil
STOCKPILE B:					
Total Inventory:					
Broken	5,290	1.95	2.29	28	
Stockpile	575,412	1.65	3.04	24	

Curragh Resources Geology Department
Primary Crusher Feed By Blast Hole Assay
May 1 to 31 1987

PHASE/S.P.	TONNES	%Pb	%Zn	%COMB	Ag g/t
AY 3530	298,865	3.24	5.32	8.56	31
AY 3510	149,153	3.07	6.21	9.28	20
TOTAL	448,018	3.18	5.62	8.80	27
To Stockpile	100,677				
Rod Mill Feed	347,341				

Mill Head Reconciliation

Met. Bal.	347,341	3.09	5.54	8.63	27
Pb Rougher Daily Comp.	347,341	3.09	5.54	8.63	27
% VARIANCE (vs.met bal)		3.02%	1.38%	1.97%	0.00%
% VARIANCE (vs. Pb rougher comp)		3.02%	1.38%	1.97%	0.00%