020063

GEOLOGY DEPARTMENT MONTH END REPORT
NOVEMBER 1986

Total mined reserve tonnage in November was consistent with the tonnage predicted by the mine model. However there were serious discrepancies between predicted and actual occurrence of the ore horizon in the JB pit. This will have significant implication for future planning and reserve calculation for the remaining JB pit.

A shortfall of 33,000 tonnes of ore on 3710 JB was predicted for the area currently being mined. An additional 75,000 tonne shortfall has been confirmed by production drilling for the remainder of the bench. Ore intersections predicted by DDH 66E-05 did not occur in the south west corner of the JB Phase. It is likely that the drill collar was improperly surveyed and the hole was actually located 60-70 feet north of the reported collar position. The reliability of the 1966 collar locations has been questioned several times in the past. Extra care will be taken when interpreting geologic sections that intersect 1966 holes.

The shortfall in the JB Phase was offset this month by a gain of 36,000 tonnes on 3690 bench, AY Phase. This gain is likely a result of a secondary structure not originally interpreted in the mine model.

Head grades reported by the metallurgical balance were slightly higher than predicted by blast hole assay. This may be reconciled by the fact that a large percentage of mill feed was from the crusher stockpile this month. Actual grades of the stockpile are difficult to determine since the source of stockpiled material is not documented.

Additional projects completed this month include:

(1) Testing of automatic sampler on production drill.

Preliminary testing indicated a need for major design changes. The sampler collected sporadic amounts of chips and large amounts of water.

(2) Drafting of blast hole production mylars.

(3) Completion of bench geology map for the Ramp Zone.

CURRAGH RESOURCES GEOLOGY DEPARTMENT MONTH END FOR NOVEMBER 1986
TONNAGE AND GRADE COMPARISON (MINED ORE) BY BENCH

	TRUCK COUNT		BLAST HOLE ASSAY									COMPUTER MODEL PREDICTION									
BENCH	HIGH GRADE (tonnes)	LOW GRADE (tonnes)	HIGH GRADE (tonnes)	%Pb.	%Zn.	%COMB.	Ag.g/t	LOW GRADE (tonnes)	%Pb.	%Zn.	%COMB.	Ag. (g/t)	HIGH GRADE (tonnes)	%Pb.	%Zn.	%COMB.	Ag.g/t	LOW GRADE (tonnes)	%Pb.	%Zn.	%COMB.	Ag.g/t
RAMP ZONE																						
3910	7020	20088	5632	4.92	4.80	9.72	n/a	19200	1.84	3.09	4.93											
TOTAL	7020	20088	5632	4.92	4.80	9.72	n/a	19200	1.84	3.09	4.93	0	0					0				
J.B. ZONE																						
3730	67149	0	34667	3.39	4.36	7.75	45						49280	3.54	5.70	9.24	44	0				
3710	21719	9720	18756	2.97	4.70	7.67	31	9686	1.98	3.19	5.17	39	51870	2.67	4.65	7.32	32	890	1.74	3.11	4.85	30
TOTAL	88868	9720	53423	3.24	4.48	7.72	40	9686	1.98	3.19	5.17	39	101150	3.09	5.16	8.26	38	890	1.74	3.11	4.85	30
PHASE A																						
3690	116040	21431	116252	2.52	4.65	7.17	30	25513	1.75	2.97	4.72	25	74100	3.08	4.66	7.74	42	28940	1.87	2.57	4.44	25
TOTAL	116040	21431	116252	2.52	4.65	7.17	30	25513	1.75	2.97	4.72	25	74100	3.08	4.66	7.74	42	28940	1.87	2.57	4.44	25
MONTH TOTAL	211928	51239	175307	2.82	4.60	7.42	n/a	54399	1.82	3.05	4.87	39	175250	3.09	4.95	8.04	40	29830	1.87	2.59	4.45	25

CURRAGH RESOURCES GEOLOGY DEPARTMENT MONTH END FOR NOVEMBER 1986

COMPARISON OF TOTAL TONNES OF METAL MINED BY BENCH

	BLAST HOLE ASSAY						COMPUTER MODEL PREDICTION					
BENCH	HIGH GRADE			LOW GRADE			HIGH GRADE			LOW GRADE		
	Pb.(t.)	Zn.(t.)	Ag.(Kg.)	Pb.(t.)	Zn.(t.)	Ag.(Kg.)	Pb.(t.)	Zn.(t.)	Ag.(Kg.)	Pb.(t.)	Zn.(t.)	Ag.(Kg.)
RAMP ZONE												
3910	277	270	n/a	353	593	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	277	270	n/a	353	593	n/a	n/a	n/a	n/a	n/a	n/a	n/a
J.B. ZONE												
3730	1175	1511	1560	0	0	0	1745	2809	2168	0	0	0
3710	557	882	581	192	309	378	1385	2412	1660	15	28	27
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1732	2393	2141	192	309	378	3129	5221	3828	15	28	27
PHASE A												
3690	2930	5406	3488	446	758	638	2282	3453	3112	541	744	724
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2930	5406	3488	446	758	638	2282	3453	3112	111	190	152
MONTH TOTAL	4939	8069	n/a	992	1660	n/a	n/a	n/a	n/a	n/a	n/a	n/a

CURRAGH RESOURCES
GEOLOGY DEPARTMENT SUMMARY REPORT
NOVEMBER 1986 MONTH END
(HIGH GRADE)

AY, JB Phases	OreTns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
MODEL	175,250	3.09	4.95	40	5,415	8,675	7,010
MODEL(DILUTED)	192,775	2.81	4.50	36	5,415	8,675	7,010
BLAST HOLE	169,675	2.75	4.60	33	4,666	7,805	5,599
TRUCK COUNT	204,908						

* VARIANCE

	OreTns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
Blast Hole vs Model	-3.2%	-11.0%	-7.1%	-17.5%	-13.8%	-10.0%	-20.1%
Model(Diluted)	-12.0%	-2.1%	2.2%	-9.3%	-13.8%	-10.0%	-20.1%
Truck Count vs Mine Model	6.3%						
Truck Count vs Blast Hole	20.8%						

* excluding ramp zone for model comparisons

INVENTORY

	TONNES	%Pb	%Zn	Ag g/t	Change
BROKEN IN PIT:					
Phase A;	0				
JB Zone; 3710	48,800	3.02	4.98	34	
Ramp Zone;	MINED OUT				
STOCKPILE A:					
Ramp Zone Ore	10,032	4.57	4.46		
CRUSHER STOCKPILE:					
JB, AY Ore	42,206	3.20	4.56	40	(96,791)
STOCKPILE B:					
	=======	====	====	====	
Total Inventory:					
Broken	48,800	3.02	4.98	34	
Stockpile	52,238	3.46	4.54	N/A	

CURRAGH RESOURCES
GEOLOGY DEPARTMENT SUMMARY REPORT
NOVEMBER 1986 MONTH END
(LOW GRADE)

AY, JB Phases	OreTns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
MODEL	29,830	1.87	2.59	25	558	773	746
MODEL(DILUTED)	32,813	1.70	2.35	23	558	773	746
BLAST HOLE	35,199	1.81	3.03	29	637	1,067	1,021
TRUCK COUNT	31,151						

* VARIANCE

	OreTns	%Pb	%Zn	Ag g/t	PbTns	ZnTns	Ag kg
Blast Hole vs Model	18.0%	-3.2%	17.0%	16.0%	14.2%	38.0%	36.9%
Model(Diluted)	7.3%	6.5%	28.7%	27.6%	14.2%	38.0%	36.9%
Truck Count vs Mine Model	-5.1%						
Truck Count vs Blast Hole	-11.5%						

* excluding ramp zone for model comparisons

INVENTORY

	TONNES	%Pb	%Zn	Ag g/t	Change
BROKEN IN PIT:					
Phase A;	0				
JB Zone; 3710	15,200	1.74	3.08	33	
Ramp Zone;	MINED OUT				
STOCKPILE C:					
*Graphitic	158,095				19,116
Stockpile A:					
*Non Graphitic	153,895				31,151
	=======	====	====	====	
Total Inventory:					
Broken	15,200	1.74	3.08	33	
*Stockpile	311,990	N/A	N/A	N/A	

* Grades not available at this time

Curragh Resources Geology Department
Primary Crusher Feed By Blast Hole Assay
November 1986

PHASE/S.P.	TONNES	%Pb	%Zn	%COMB	Ag g/t
Oxide S.P.*	78,882	3.32	4.73	8.05	44
Crusher S.P*	57,321	3.20	4.56	7.76	40
Ramp Zone	5,632	4.92	4.80	9.72	35
J.B. & AY	169,695	2.79	4.57	7.36	37
TOTAL	311,530	3.04	4.61	7.65	39
ACTUAL (met bal.)	329,627	3.11	4.91	8.02	43.73
% VARIANCE (vs.met bal)	-5.49%	-2.31%	-6.05%	-4.60%	-11.60%

* Oxide stockpile tonnage and grade from met balance

* Crusher stockpile tonnage from truck counts