

CURRAGH RESOURCES INC. GRUM DEPOSIT
G8705 INTERPRETATION - 4.5 METRE BENCHES
MINING RESERVES - GIV STAGE 3 PIT
OCTOBER 4, 1990

003366

LIST OF ROCK TYPES

20	1+2	4ACD	Carbonaceous pyritic quartzite
30	3+4	4CD	Noncarbonaceous pyritic quartzite
40		4EC	Semi-massive, quartzose, pyritic sulphides
50	5+6	4E	Pyritic massive sulphides
60	7	4EG	Pyritic/Baritic massive sulphides
70	8	4EH	Pyrrhotitic massive sulphides
800	11	11	Unconsolidated overburden/till
810	11	11B	Unconsolidated overburden/till actually cored
160	10+9	5ABC	Phyllite waste

INCREMENTAL RESERVES BY ROCK TYPE AND % Pb + Zn CUTOFF

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [t/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				ECONOMIC FACTOR [\$ Cdn x1000]	
FROM [% Pb +]	TO [% Pb +]					[% Pb]	[% Zn]	[Ag g/t]	[Au g/t]		
6.000	50.000	1	442.87	3.174	1405.57	8.114	2.890	5.224	48.440	.983	29897.73
6.000	50.000	2	1873.14	3.094	5795.37	8.132	2.914	5.218	49.483	.848	118786.20
6.000	50.000	3	22.01	3.341	73.53	8.367	3.018	5.349	50.591	.625	1495.13
6.000	50.000	4	713.24	3.246	2315.45	10.670	3.822	6.848	63.051	.914	72778.77
6.000	50.000	5	273.84	3.663	1002.99	10.613	4.044	6.570	63.526	1.019	30819.32
6.000	50.000	6	822.08	4.029	3312.16	14.687	5.510	9.177	92.299	1.305	163436.30
6.000	50.000	7	547.78	4.079	2234.22	12.274	5.047	7.227	84.416	1.012	79847.54
6.000	50.000	8	8.63	3.763	32.47	15.213	5.193	10.020	106.449	1.322	1741.21
5.000	6.000	1	416.34	3.049	1269.44	5.493	1.945	3.549	34.572	.795	12848.13
5.000	6.000	2	223.49	3.017	674.17	5.641	2.155	3.486	34.428	.783	6698.37
5.000	6.000	3	29.21	3.103	90.62	5.476	1.885	3.591	34.649	.446	770.06
5.000	6.000	4	34.80	3.059	106.46	5.636	2.132	3.504	35.630	.667	1000.35
5.000	6.000	5	45.91	3.813	175.08	5.404	2.147	3.258	38.713	1.109	1914.29
5.000	6.000	6	1.62	3.605	5.84	5.677	2.169	3.508	42.783	1.005	67.26
4.000	5.000	1	571.45	3.029	1730.98	4.484	1.647	2.836	30.223	.732	10219.93
4.000	5.000	2	26.21	2.984	78.20	4.804	1.952	2.852	30.377	.861	535.97
4.000	5.000	3	145.21	2.997	435.16	4.417	1.564	2.853	28.224	.545	2145.02
4.000	5.000	4	9.74	2.950	28.74	4.704	1.734	2.970	32.292	.512	159.21
4.000	5.000	5	35.99	3.765	135.49	4.593	1.794	2.799	36.781	1.088	1108.25
3.000	4.000	1	392.34	2.981	1169.75	3.567	1.377	2.189	25.131	.715	2677.93
3.000	4.000	2	.54	3.129	1.69	3.848	1.379	2.469	33.000	.846	7.91
3.000	4.000	3	83.83	3.208	268.97	3.505	1.445	2.060	25.163	.580	335.41
3.000	4.000	4	13.94	3.218	44.87	3.309	1.674	1.636	30.242	.667	14.27
3.000	4.000	5	9.46	3.918	37.05	3.475	1.430	2.045	28.961	.827	-58.78
3.000	4.000	6	.54	2.962	1.60	3.248	1.112	2.136	20.000	.436	.09
.010	3.000	1	116.22	2.971	345.24	2.605	.979	1.625	19.905	.687	-251.52
.010	3.000	3	87.78	3.318	291.21	2.551	.847	1.704	21.233	.741	-13.97
.010	3.000	4	.54	3.593	1.94	2.855	.944	1.911	25.000	1.096	5.50
.010	3.000	3	87.78	3.318	291.21	2.551	.847	1.704	21.233	.741	-13.97
.010	3.000	4	.54	3.593	1.94	2.855	.944	1.911	25.000	1.096	5.50
.000	.010	1	2.70	2.850	7.70	.000	.000	.000	.000	.000	-14.85
.000	.010	2	12.43	2.850	35.43	.000	.000	.000	.000	.000	-75.46
.000	.010	3	6.01	2.917	17.54	.000	.000	.000	.000	.000	-36.50
.000	.010	4	24.30	2.850	69.25	.000	.000	.000	.000	.000	-144.05
.000	.010	5	16.81	2.855	48.00	.000	.000	.000	.000	.000	-99.16
.000	.010	6	15.71	2.850	44.77	.000	.000	.000	.000	.000	-90.30
.000	.010	7	17.28	2.850	49.25	.000	.000	.000	.000	.000	-96.37
.000	.010	8	4.32	2.850	12.31	.000	.000	.000	.000	.000	-24.54
.000	9999.000	9	490.57	2.945	1444.77	4.997	1.899	3.098	31.612	.586	10621.31
.000	9999.000	10	54328.21	2.700	146686.20	.000	.000	.000	.000	.000	-161318.90
.000	9999.000	11	13263.35	2.099	27839.99	.000	.000	.000	.000	.000	-29381.33
TOTAL			75130.45	2.653	199319.40	1.049	.391	.658	6.620	.110	358326.10

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60	7	4EG	Pyritic/Baritic massive sulphides
70	8	4EH	Pyrrhotitic massive sulphides
300	11	11	Unconsolidated overburden/till
310	11	11B	Unconsolidated overburden/till actually cored
160	10	5ABC	Phyllite waste

915 ore type

CUMULATIVE RESERVES BY ROCK TYPE AND % Pb + Zn CUTOFF

CUT-OFF GRADES FROM	CUT-OFF GRADES TO	ROCK-TYPE CODE	VOLUME [bcu x1000]	DENSITY [tn/bcu]	TONNAGE [TONS x1000]	AVERAGE GRADES					ECONOMIC FACTOR
						[% Pb +]	[% Pb]	[% Zn]	[Ag g/t]	[Au g/t]	
6.000	50.000	1	442.87	3.174	1405.57	8.114	2.890	5.224	48.440	.983	29897.73
6.000	50.000	2	2316.01	3.109	7200.93	8.129	2.909	5.219	49.280	.875	148683.90
6.000	50.000	3	2338.02	3.111	7274.46	8.131	2.910	5.221	49.293	.872	150179.00
6.000	50.000	4	3051.26	3.143	9589.91	8.744	3.131	5.613	52.615	.882	222957.80
6.000	50.000	5	3325.10	3.186	10592.90	8.921	3.217	5.704	53.837	.895	253777.20
6.000	50.000	6	4147.19	3.353	13905.06	10.295	3.763	6.531	62.999	.993	417213.50
6.000	50.000	7	4674.96	3.438	16139.28	10.569	3.941	6.628	65.964	.996	497061.10
6.000	50.000	8	4703.59	3.438	16171.75	10.578	3.944	6.634	66.045	.996	498802.30
5.000	6.000	1	5119.93	3.407	17441.19	10.208	3.798	6.410	63.754	.982	511650.40
5.000	6.000	2	5343.42	3.390	18115.36	10.038	3.737	6.301	62.663	.974	518348.80
5.000	6.000	3	5372.63	3.389	18205.98	10.015	3.728	6.288	62.523	.972	519118.80
5.000	6.000	4	5407.43	3.387	18312.43	9.990	3.718	6.271	62.367	.970	520119.40
5.000	6.000	5	5453.34	3.390	18487.51	9.946	3.703	6.243	62.143	.971	522033.70
5.000	6.000	6	5454.96	3.390	18493.35	9.945	3.703	6.242	62.137	.971	522100.90
5.000	6.000	7	5454.96	3.390	18493.35	9.945	3.703	6.242	62.137	.971	522100.90
5.000	6.000	8	5454.96	3.390	18493.35	9.945	3.703	6.242	62.137	.971	522100.90
4.000	5.000	1	6026.41	3.356	20224.33	9.478	3.527	5.950	59.405	.951	532320.90
4.000	5.000	2	6052.62	3.354	20302.53	9.460	3.521	5.939	59.294	.950	532856.80
4.000	5.000	3	6197.83	3.346	20737.70	9.354	3.480	5.874	58.642	.942	535001.90
4.000	5.000	4	6207.98	3.345	20766.94	9.347	3.478	5.870	58.605	.941	535161.10
4.000	5.000	5	6243.56	3.348	20901.93	9.316	3.467	5.850	58.464	.942	536269.30
4.000	5.000	6	6243.56	3.348	20901.93	9.316	3.467	5.850	58.464	.942	536269.30
4.000	5.000	7	6243.56	3.348	20901.93	9.316	3.467	5.850	58.464	.942	536269.30
4.000	5.000	8	6243.56	3.348	20901.93	9.316	3.467	5.850	58.464	.942	536269.30
3.000	4.000	1	6635.90	3.326	22071.67	9.012	3.356	5.656	56.697	.930	538947.30
3.000	4.000	2	6636.44	3.326	22073.36	9.011	3.356	5.656	56.695	.930	538955.20
3.000	4.000	3	6720.28	3.325	22342.34	8.945	3.333	5.612	56.316	.926	539290.60
3.000	4.000	4	6734.22	3.324	22387.21	8.934	3.329	5.604	56.263	.925	539304.90
3.000	4.000	5	6743.68	3.325	22424.25	8.925	3.326	5.598	56.218	.924	539246.10
3.000	4.000	6	6744.22	3.325	22425.85	8.924	3.326	5.598	56.216	.924	539246.10
3.000	4.000	7	6744.22	3.325	22425.85	8.924	3.326	5.598	56.216	.924	539246.10
3.000	4.000	8	6744.22	3.325	22425.85	8.924	3.326	5.598	56.216	.924	539246.10
.010	3.000	1	6860.44	3.319	22771.09	8.829	3.291	5.538	55.665	.920	538994.60
.010	3.000	2	6860.44	3.319	22771.09	8.829	3.291	5.538	55.665	.920	538994.60
.010	3.000	3	6948.22	3.319	23062.30	8.749	3.260	5.490	55.230	.918	538980.70
.010	3.000	4	6948.76	3.319	23064.24	8.749	3.259	5.489	55.228	.918	538986.20
.010	3.000	5	6948.76	3.319	23064.24	8.749	3.259	5.489	55.228	.918	538986.20
.010	3.000	6	6948.76	3.319	23064.24	8.749	3.259	5.489	55.228	.918	538986.20
.010	3.000	7	6948.76	3.319	23064.24	8.749	3.259	5.489	55.228	.918	538986.20
.010	3.000	8	6948.76	3.319	23064.24	8.749	3.259	5.489	55.228	.918	538986.20
.000	.010	1	6951.46	3.319	23071.94	8.746	3.258	5.487	55.209	.918	538971.30
.000	.010	2	6963.89	3.318	23107.37	8.732	3.253	5.479	55.125	.916	538895.90
.000	.010	3	6969.90	3.318	23124.91	8.726	3.251	5.475	55.083	.916	538859.40
.000	.010	4	6994.20	3.316	23194.16	8.700	3.241	5.459	54.919	.913	538715.30
.000	.010	5	7011.01	3.315	23242.16	8.682	3.235	5.447	54.805	.911	538616.20
.000	.010	6	7026.72	3.314	23286.93	8.665	3.228	5.437	54.700	.909	538525.90
.000	.010	7	7044.00	3.313	23336.18	8.647	3.221	5.425	54.584	.907	538429.50
.000	.010	8	7048.32	3.313	23348.49	8.642	3.220	5.422	54.556	.907	538405.00
.000	9999.000	9	7538.89	3.289	24793.26	8.430	3.143	5.287	53.219	.888	549026.30
.000	9999.000	10	61867.11	2.772	171479.40	1.219	.454	.764	7.695	.128	387707.40
.000	9999.000	11	75130.45	2.653	199319.40	1.049	.391	.658	6.620	.110	358326.10
.000	9999.000	11B	75130.45	2.653	199319.40	1.049	.391	.658	6.620	.110	358326.10

TOTAL 75130.45 2.653 199319.40 1.049 .391 .658 6.620 .110 358326.10

**CURRAGH RESOURCES INC. GRUM DEPOSIT
G9009 INTERPRETATION - 6 METRE BENCHES
MINING RESERVES - GIV STAGE 3 PIT
OCTOBER 4, 1990**

LIST OF ROCK TYPES

20	4ACD	Carbonaceous pyritic quartzite
30	4CD	Noncarbonaceous pyritic quartzite
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50	4E	Pyritic massive sulphides
60	4EG	Pyritic/Baritic massive sulphides
70	4EH	Pyrrhotitic massive sulphides
300	11	Unconsolidated overburden/till
310	11B	Unconsolidated overburden/till actually cored
160	5ABC	Phyllite waste

INCREMENTAL RESERVES BY ROCK TYPE AND % Pb + Zn CUTOFF

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [%Pb+Zn]	TO [%Pb+Zn]					[%Pb+Zn]	[ZPb]	[Zn]	[Ag g/t]	[Au g/t]
6.000	50.000	20	2269.00	3.111	7057.77	7.664	2.731	4.932	45.847	.753
6.000	50.000	30	167.79	3.129	525.05	7.588	2.712	4.876	42.582	.714
6.000	50.000	40	300.04	3.893	1168.02	12.197	4.381	7.816	68.919	1.162
6.000	50.000	50	439.42	3.924	1724.11	11.088	4.384	6.703	64.728	1.119
6.000	50.000	60	1206.41	3.970	4789.59	11.181	4.380	6.801	69.815	1.034
6.000	50.000	70	3.47	3.276	11.36	9.273	3.550	5.723	20.509	.279
5.000	6.000	20	1086.75	2.969	3226.68	5.505	1.946	3.559	33.252	.561
5.000	6.000	30	77.77	3.097	240.83	5.494	2.076	3.418	34.818	.635
5.000	6.000	40	16.32	3.535	57.70	5.522	1.972	3.549	10.460	.228
5.000	6.000	50	16.82	3.946	66.38	5.684	2.428	3.256	36.013	1.050
5.000	6.000	60	4.28	3.510	15.01	5.723	2.805	2.918	44.090	.615
4.000	5.000	20	1025.59	2.946	3021.35	4.516	1.637	2.879	28.062	.541
4.000	5.000	30	111.26	3.121	347.21	4.483	1.738	2.745	29.253	.646
4.000	5.000	40	6.94	3.505	24.31	4.489	1.646	2.843	19.403	.649
4.000	5.000	50	18.03	3.610	65.10	4.393	2.194	2.198	30.733	.674
4.000	5.000	60	6.94	3.395	23.55	4.508	2.104	2.404	25.175	.722
3.000	4.000	20	555.05	3.013	1672.14	3.588	1.377	2.211	24.031	.591
3.000	4.000	30	91.63	3.215	294.57	3.499	1.439	2.061	21.706	.620
3.000	4.000	40	8.32	3.549	29.53	3.223	1.197	2.026	20.196	.831
3.000	4.000	50	9.93	3.480	34.55	3.715	2.110	1.605	26.531	.853
3.000	4.000	60	.69	3.458	2.40	3.237	1.603	1.634	27.080	.543
.010	3.000	20	209.22	3.034	634.85	2.223	.819	1.403	15.605	.554
.010	3.000	30	77.50	3.093	239.69	2.265	.929	1.336	13.224	.438
.010	3.000	40	23.70	3.582	84.89	2.172	.831	1.342	17.999	1.032
.010	3.000	60	.12	3.634	.42	2.988	1.814	1.174	26.340	.929
.000	.010	20	8.28	3.099	25.65	.000	.000	.000	.000	.000
.000	.010	30	15.95	3.349	53.42	.000	.000	.000	.000	.000
.000	.010	40	54.79	3.742	205.03	.000	.000	.000	.000	.000
.000	.010	50	4.84	4.139	20.05	.000	.000	.000	.000	.000
.000	.010	60	4.16	4.320	17.98	.000	.000	.000	.000	.000
.000	.010	70	2.08	4.320	8.99	.000	.000	.000	.000	.000
.000	9999.000	300	14000.34	2.200	30800.52	.000	.000	.000	.000	.000
.000	9999.000	310	619.35	2.200	1362.57	.000	.000	.000	.000	.000
.000	9999.000	160	52756.43	2.700	142440.60	.000	.000	.000	.000	.000
TOTAL			75199.20	2.663	200291.80	.949	.354	.595	5.755	.1

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CUT-OFF GRADES		ROCK-TYPE	VOLUME	DENSITY	TONNAGE	AVERAGE GRADES				
FROM	TO	CODE	[bca x1000]	[tn/bca]	[TONS x1000]	[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
6.000	50.000	20	2269.00	3.111	7057.77	7.664	2.731	4.932	45.847	.753
6.000	50.000	30	2436.79	3.112	7582.82	7.658	2.730	4.928	45.621	.750
6.000	50.000	40	2736.83	3.197	8750.84	8.264	2.951	5.314	48.731	.805
6.000	50.000	50	3176.25	3.298	10474.95	8.729	3.187	5.542	51.364	.857
6.000	50.000	60	4382.66	3.483	15264.54	9.498	3.561	5.937	57.153	.913
6.000	50.000	70	4386.13	3.483	15275.90	9.498	3.561	5.937	57.126	.912
5.000	6.000	20	5472.88	3.381	18502.58	8.802	3.279	5.522	52.963	.851
5.000	6.000	30	5550.65	3.377	18743.41	8.759	3.264	5.495	52.730	.848
5.000	6.000	40	5566.97	3.377	18801.11	8.749	3.260	5.489	52.600	.846
5.000	6.000	50	5583.79	3.379	18867.49	8.739	3.257	5.481	52.541	.847
5.000	6.000	60	5588.07	3.379	18882.50	8.736	3.257	5.479	52.535	.847
5.000	6.000	70	5588.07	3.379	18882.50	8.736	3.257	5.479	52.535	.847
4.000	5.000	20	6613.65	3.312	21903.85	8.154	3.033	5.121	49.159	.805
4.000	5.000	30	6724.91	3.309	22251.06	8.097	3.013	5.084	48.848	.802
4.000	5.000	40	6731.85	3.309	22275.37	8.093	3.012	5.081	48.816	.802
4.000	5.000	50	6749.88	3.310	22340.47	8.082	3.009	5.073	48.764	.802
4.000	5.000	60	6756.82	3.310	22364.02	8.078	3.008	5.070	48.739	.801
4.000	5.000	70	6756.82	3.310	22364.02	8.078	3.008	5.070	48.739	.801
3.000	4.000	20	7311.87	3.287	24036.16	7.766	2.895	4.871	47.020	.787
3.000	4.000	30	7403.51	3.286	24330.73	7.714	2.877	4.837	46.713	.785
3.000	4.000	40	7411.83	3.287	24360.26	7.709	2.875	4.834	46.681	.785
3.000	4.000	50	7421.76	3.287	24394.82	7.703	2.874	4.829	46.653	.785
3.000	4.000	60	7422.45	3.287	24397.21	7.703	2.874	4.829	46.651	.785
3.000	4.000	70	7422.45	3.287	24397.21	7.703	2.874	4.829	46.651	.785
.010	3.000	20	7631.67	3.280	25032.07	7.564	2.822	4.742	45.863	.779
.010	3.000	30	7709.16	3.278	25271.75	7.514	2.804	4.710	45.554	.776
.010	3.000	40	7732.86	3.279	25356.64	7.496	2.797	4.698	45.462	.777
.010	3.000	50	7732.86	3.279	25356.64	7.496	2.797	4.698	45.462	.777
.010	3.000	60	7732.98	3.279	25357.06	7.496	2.797	4.698	45.461	.777
.010	3.000	70	7732.98	3.279	25357.06	7.496	2.797	4.698	45.461	.777
.000	.010	20	7741.25	3.279	25382.71	7.488	2.794	4.694	45.415	.776
.000	.010	30	7757.20	3.279	25436.13	7.472	2.789	4.684	45.320	.774
.000	.010	40	7812.00	3.282	25641.16	7.413	2.766	4.646	44.958	.768
.000	.010	50	7816.84	3.283	25661.21	7.407	2.764	4.643	44.922	.767
.000	.010	60	7821.00	3.283	25679.18	7.402	2.762	4.639	44.891	.767
.000	.010	70	7823.08	3.284	25688.17	7.399	2.761	4.638	44.875	.767
.000	9999.000	300	21823.42	2.588	56488.69	3.365	1.256	2.109	20.407	.349
.000	9999.000	310	22442.77	2.578	57851.26	3.285	1.226	2.059	19.926	.340
.000	9999.000	160	75199.20	2.663	200291.80	.949	.354	.595	5.755	.098
.000	9999.000	1111	75199.20	2.663	200291.80	.949	.354	.595	5.755	.098

TOTAL			75199.20	2.663	200291.80	.949	.354	.595	5.755	.098
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CURRAGH RESOURCES INC. GRUM DEPOSIT
G8911 INTERPRETATION - 7 METRE BENCHES
MINING RESERVES - GIV STAGE 3 PIT
OCTOBER 4, 1990

LIST OF ROCK TYPES

20	4ACD	Carbonaceous pyritic quartzite
30	4CD	Noncarbonaceous pyritic quartzite
40	4EC	Semi-massive, quartzose, pyritic sulphides
50	4E	Pyritic massive sulphides
60	4EG	Pyritic/Baritic massive sulphides
70	4EH	Pyrrhotitic massive sulphides
300	11	Unconsolidated overburden/till
310	11B	Unconsolidated overburden/till actually cored
160	5ABC	Phyllite waste

INCREMENTAL RESERVES BY ROCK TYPE AND % Pb + Zn CUTOFF

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [Pb+Zn]	TO [Pb+Zn]					[Pb+Zn]	[Pb %]	[Zn %]	[Ag g/t]	[Au g/t]
6.000	50.000	20	2221.98	3.124	6942.01	7.737	2.750	4.987	46.293	.749
6.000	50.000	30	169.92	3.145	534.39	7.423	2.670	4.753	44.695	.711
6.000	50.000	40	297.50	3.948	1174.44	12.106	4.338	7.768	74.655	1.204
6.000	50.000	50	407.06	3.969	1615.53	10.974	4.260	6.714	69.915	1.114
6.000	50.000	60	1191.55	4.041	4814.88	11.167	4.364	6.803	73.000	1.028
6.000	50.000	70	3.24	3.623	11.73	6.944	2.687	4.257	49.375	.618
5.000	6.000	20	1122.63	2.966	3329.39	5.475	1.943	3.532	33.612	.560
5.000	6.000	30	93.73	3.084	289.10	5.516	2.041	3.475	34.616	.605
5.000	6.000	40	9.01	3.575	32.20	5.423	1.993	3.429	34.681	1.020
5.000	6.000	50	35.01	3.852	134.85	5.497	2.464	3.033	40.703	.756
5.000	6.000	60	30.87	3.831	118.26	5.652	2.832	2.820	42.068	.663
5.000	6.000	70	1.62	2.901	4.70	5.576	2.181	3.394	39.116	.536
4.000	5.000	20	992.32	2.955	2931.94	4.534	1.621	2.913	28.282	.520
4.000	5.000	30	104.21	3.097	322.69	4.492	1.800	2.692	30.550	.568
4.000	5.000	40	10.64	3.569	37.96	4.365	1.595	2.771	28.621	.951
4.000	5.000	50	26.65	3.805	101.39	4.640	1.969	2.671	32.100	.691
4.000	5.000	60	7.17	3.532	25.32	4.603	2.413	2.191	34.757	.703
4.000	5.000	70	.81	2.881	2.33	4.927	2.010	2.917	34.220	.375
3.000	4.000	20	567.17	3.050	1729.77	3.616	1.392	2.225	24.277	.578
3.000	4.000	30	94.09	3.133	294.82	3.520	1.462	2.058	24.291	.606
3.000	4.000	40	8.90	3.543	31.54	3.521	1.220	2.301	25.273	.764
3.000	4.000	50	12.78	3.644	46.56	3.694	1.926	1.768	34.205	.885
3.000	4.000	60	6.47	3.549	22.98	3.369	1.442	1.927	23.584	.697
.010	3.000	20	217.53	3.084	670.77	2.319	.867	1.452	17.349	.593
.010	3.000	30	100.51	3.199	321.51	2.367	.893	1.474	17.318	.557
.010	3.000	40	7.58	3.993	30.28	2.491	.982	1.509	23.296	1.036
.010	3.000	50	1.02	3.404	3.46	2.947	1.754	1.194	34.471	1.004
.010	3.000	60	1.62	3.553	5.75	2.705	1.328	1.376	23.848	.558
.000	.010	20	11.98	3.099	37.12	.000	.000	.000	.000	.000
.000	.010	30	14.57	3.349	48.79	.000	.000	.000	.000	.000
.000	.010	40	70.42	3.750	264.09	.000	.000	.000	.000	.000
.000	.010	50	11.33	4.139	46.90	.000	.000	.000	.000	.000
.000	.010	60	4.86	4.320	20.98	.000	.000	.000	.000	.000
.000	9999.000	160	53147.87	2.700	143497.60	.000	.000	.000	.000	.000
.000	9999.000	300	13490.25	2.200	29678.27	.000	.000	.000	.000	.000
.000	9999.000	310	729.15	2.200	1604.12	.000	.000	.000	.000	.000

TOTAL 75224.01 2.669 200778.40 .949 .353 .596 5.977 .09

CURRAGH RESOURCES INC. GRUM DEPOSIT
G8911 INTERPRETATION - 7 METRE BENCHES
MINING RESERVES - GIV STAGE 3 PIT
OCTOBER 4, 1990

LIST OF ROCK TYPES

20	4ACD	Carbonaceous pyritic quartzite
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300	11	Unconsolidated overburden/till
310	11B	Unconsolidated overburden/till actually cored
160	5ABC	Phyllite waste

CUMULATIVE RESERVES BY ROCK TYPE AND % Pb + Zn CUTOFF

CUT-OFF GRADES FROM	TO	ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
						[Pb+Zn]	[Pb %]	[Zn %]	[Ag g/t]	[Au g/t]
6.000	50.000	20	2221.98	3.124	6942.01	7.737	2.750	4.987	46.293	.749
6.000	50.000	30	2391.89	3.126	7476.40	7.714	2.744	4.970	46.179	.746
6.000	50.000	40	2689.40	3.217	8650.84	8.310	2.960	5.350	50.045	.809
6.000	50.000	50	3096.46	3.316	10266.36	8.730	3.165	5.565	53.172	.857
6.000	50.000	60	4288.01	3.517	15081.24	9.508	3.548	5.960	59.502	.911
6.000	50.000	70	4291.24	3.517	15092.97	9.506	3.547	5.959	59.494	.911
5.000	6.000	20	5413.87	3.403	18422.36	8.777	3.257	5.520	54.817	.848
5.000	6.000	30	5507.60	3.397	18711.46	8.727	3.238	5.489	54.505	.844
5.000	6.000	40	5516.61	3.398	18743.66	8.721	3.236	5.485	54.470	.844
5.000	6.000	50	5551.62	3.401	18878.51	8.698	3.231	5.468	54.372	.844
5.000	6.000	60	5582.49	3.403	18996.77	8.679	3.228	5.451	54.296	.842
5.000	6.000	70	5584.11	3.403	19001.46	8.679	3.228	5.451	54.296	.842
4.000	5.000	20	6576.43	3.335	21933.40	8.125	3.013	5.111	50.815	.799
4.000	5.000	30	6680.64	3.331	22256.09	8.072	2.996	5.076	50.521	.796
4.000	5.000	40	6691.28	3.332	22294.05	8.066	2.993	5.072	50.484	.796
4.000	5.000	50	6717.93	3.334	22395.44	8.050	2.989	5.062	50.401	.796
4.000	5.000	60	6725.09	3.334	22420.76	8.046	2.988	5.058	50.383	.796
4.000	5.000	70	6725.90	3.334	22423.10	8.046	2.988	5.058	50.381	.796
3.000	4.000	20	7293.08	3.312	24152.86	7.729	2.874	4.855	48.512	.780
3.000	4.000	30	7387.17	3.309	24447.69	7.678	2.856	4.821	48.220	.778
3.000	4.000	40	7396.07	3.310	24479.23	7.673	2.854	4.818	48.190	.778
3.000	4.000	50	7408.85	3.310	24525.79	7.665	2.853	4.812	48.164	.778
3.000	4.000	60	7415.32	3.311	24548.77	7.661	2.851	4.810	48.141	.778
3.000	4.000	70	7415.32	3.311	24548.77	7.661	2.851	4.810	48.141	.778
.010	3.000	20	7632.85	3.304	25219.54	7.519	2.799	4.720	47.322	.773
.010	3.000	30	7733.36	3.303	25541.05	7.454	2.775	4.679	46.944	.770
.010	3.000	40	7740.94	3.303	25571.34	7.448	2.772	4.676	46.916	.771
.010	3.000	50	7741.96	3.303	25574.80	7.448	2.772	4.675	46.914	.771
.010	3.000	60	7743.58	3.303	25580.55	7.446	2.772	4.675	46.909	.771
.010	3.000	70	7743.58	3.303	25580.55	7.446	2.772	4.675	46.909	.771
.000	.010	20	7755.56	3.303	25617.67	7.436	2.768	4.668	46.841	.770
.000	.010	30	7770.13	3.303	25666.46	7.422	2.763	4.659	46.752	.768
.000	.010	40	7840.55	3.307	25930.55	7.346	2.735	4.611	46.276	.760
.000	.010	50	7851.88	3.308	25977.45	7.333	2.730	4.603	46.192	.759
.000	.010	60	7856.74	3.309	25998.43	7.327	2.727	4.599	46.155	.758
.000	.010	70	7856.74	3.309	25998.43	7.327	2.727	4.599	46.155	.758
.000	9999.000	160	61004.61	2.778	169496.00	1.124	.418	.705	7.080	.116
.000	9999.000	300	74494.87	2.674	199174.30	.956	.356	.600	6.025	.099
.000	9999.000	310	75224.01	2.669	200778.40	.949	.353	.596	5.977	.098
.000	9999.000	1111	75224.01	2.669	200778.40	.949	.353	.596	5.977	.098
TOTAL			75224.01	2.669	200778.40	.949	.353	.596	5.977	.098