

**CURRAGH RESOURCES**  
GRUM DEPOSIT - ULTIMATE PIT RESERVES  
FROM C.A./K.A. MODEL - 1979

PHASE	PHYLLITE WASTE	SULPHIDE WASTE	TOTAL WASTE	WST VOL	4 - 6 % GRADE				+ 6 % GRADE						
					tonnes	% Pb	% Zn	Pb+Zn	Ag	tonnes	% Pb	% Zn	Pb+Zn	Ag	
1	6 263 325	509 308	6 772 633	0	0	0.000%	0.000%	0.000%	0.000	0	0.000%	0.000%	0.000%	0.000	1 853 500
2	2,357,100	264,690	2,621,790	953,378	248,900	1.643%	3.256%	4.900%	27.771	947,600	3.657%	5.937%	9.594%	56.422	1,196,500
3	4,606,875	528,445	5,135,320	1,867,389	297,600	1.953%	3.355%	5.308%	31.274	2,088,400	3.362%	5.530%	8.892%	51.339	2,386,000
4	5,026,050	473,289	5,499,339	1,999,760	426,300	1.987%	3.299%	5.285%	30.870	1,625,200	3.435%	5.571%	9.006%	51.713	2,051,500
5	3,979,125	519,050	4,498,175	1,635,700	344,700	1.960%	3.081%	5.041%	30.861	1,697,600	3.739%	6.194%	9.933%	57.132	2,042,300
6	5,058,450	380,296	5,438,746	1,977,726	323,400	2.128%	2.856%	4.985%	30.919	1,626,200	3.670%	5.638%	9.308%	55.711	1,949,600
7	4,857,975	458,343	5,316,318	1,933,207	648,600	1.985%	2.976%	4.961%	29.320	1,800,800	3.357%	5.432%	8.789%	52.017	2,449,400
8	6,880,950	765,918	7,646,868	2,780,679	931,400	2.060%	3.007%	5.067%	28.127	1,575,700	3.291%	5.229%	8.520%	50.865	2,507,100
9	2,174,850	312,601	2,487,451	904,528	297,500	2.001%	3.093%	5.094%	30.231	999,350	3.257%	5.254%	8.511%	52.061	1,296,850
TOTAL	34,941,375	3,702,632	38,644,007	14,052,366	3,518,400	1.990%	3.085%	5.075%	29.623	12,360,850	3.468%	5.597%	9.065%	53.245	15,879,250

17732,750 correct figure is 17743100  
 $\Delta = 10350$

41,204,700 4,482,702

13,201,300 3.585 5.506 9.391 55.071 +6% ore in total ult. pit (must be different pit!)  
 16,875,100 3.246 5.249 8.495 49.863 +4% ore in total ult pit (uses diff. ss than 17.8 fig)

020745

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BENCH	PHYLLITE WASTE	SULPHIDE WASTE	TOTAL WASTE	WST VOL	4 - 6 % GRADE				+ 6 % GRADE						
					tonnes	% Pb	% Zn	Pb+Zn	Ag	tonnes	% Pb	% Zn	Pb+Zn	Ag	
1320	0	0	0	0	0	0.000%	0.000%	0.000%	0.000	0	0.000%	0.000%	0.000%	0.000	0
1311	1,526,850	0	1,526,850	555,218	0	0.000%	0.000%	0.000%	0.000	0	0.000%	0.000%	0.000%	0.000	0
1302	2,298,375	0	2,298,375	835,773	0	0.000%	0.000%	0.000%	0.000	0	0.000%	0.000%	0.000%	0.000	0
1293	2,448,225	1,802	2,450,027	890,919	0	0.000%	0.000%	0.000%	0.000	700	4.700%	8.300%	13.000%	79.000	700
1284	2,521,125	12,637	2,533,762	921,368	0	0.000%	0.000%	0.000%	0.000	16,700	3.259%	6.128%	9.386%	52.886	16 700
1275	2,464,425	30,841	2,495,266	907,369	68,000	1.630%	3.444%	5.074%	26.209	3,300	2.279%	3.839%	6.118%	30.788	71 300
1266	2,320,650	45,442	2,366,092	860,397	59,400	1.594%	2.875%	4.470%	27.818	144,200	1.999%	4.562%	6.560%	31.222	203 600
1257	2,176,875	64,822	2,241,697	815,163	124,300	1.554%	3.310%	4.864%	25.949	124,600	3.096%	5.591%	8.687%	47.468	245 900
1248	2,120,175	65,651	2,185,826	794,846	88,800	1.687%	3.480%	5.167%	27.547	207,300	2.610%	4.757%	7.368%	40.601	296 100
1239	2,004,750	84,627	2,089,377	759,773	111,900	1.904%	3.349%	5.253%	29.424	175,900	2.438%	4.682%	7.120%	40.342	287 500
1230	1,889,325	95,905	1,985,230	721,902	37,000	1.809%	3.321%	5.131%	23.232	323,400	3.060%	5.639%	8.699%	46.778	360 400
1221	1,846,800	135,170	1,981,970	720,716	66,000	1.907%	3.061%	4.968%	29.720	325,600	3.061%	5.391%	8.452%	44.878	391 600
1212	1,737,450	133,104	1,870,554	680,201	92,100	1.935%	3.173%	5.108%	30.328	379,500	2.951%	5.045%	7.996%	45.315	471 600
1203	1,664,550	171,740	1,836,290	667,742	93,700	1.812%	3.415%	5.227%	30.284	453,100	3.307%	5.586%	8.893%	50.163	546 800
1194	1,492,425	232,289	1,724,714	627,169	123,900	1.968%	3.451%	5.420%	31.567	672,100	3.765%	6.105%	9.870%	58.168	796 800
1185	1,308,150	221,738	1,529,888	556,323	217,900	2.001%	3.217%	5.217%	31.550	709,050	3.416%	5.186%	8.602%	52.602	926 950
1176	1,093,500	257,906	1,351,406	491,420	195,300	2.114%	3.253%	5.367%	31.879	730,000	3.439%	5.054%	8.493%	51.351	925 300
1167	905,175	275,202	1,180,375	429,235	69,100	2.063%	3.246%	5.309%	30.890	989,900	3.692%	5.482%	9.174%	54.699	1039 000
1158	745,200	296,218	1,041,418	378,697	104,900	2.227%	3.121%	5.347%	36.054	948,200	3.854%	5.799%	9.653%	58.056	1053 900
1149	595,350	261,248	856,598	311,490	342,700	1.997%	3.093%	5.090%	30.543	763,400	3.604%	5.755%	9.359%	56.404	1108 100
1140	488,025	258,856	746,881	271,593	375,400	1.922%	2.855%	4.777%	26.262	686,200	3.563%	5.949%	9.511%	55.083	1061 600
1131	364,500	246,260	610,760	222,095	332,500	1.922%	2.760%	4.683%	28.776	743,900	3.658%	6.016%	9.674%	55.296	1076 400
1122	307,800	201,144	508,944	185,071	225,500	2.570%	3.115%	5.686%	30.673	726,200	3.549%	5.903%	9.452%	53.726	951 700
1113	247,050	168,398	415,448	151,072	289,200	2.085%	2.839%	4.924%	29.889	652,200	3.426%	5.694%	9.120%	52.210	941 400
1104	155,925	138,774	294,699	107,163	214,500	2.003%	2.982%	4.985%	29.720	683,800	3.541%	5.680%	9.221%	56.455	898 300
1095	95,175	135,919	231,094	84,034	156,200	1.971%	3.037%	5.008%	28.498	604,300	3.585%	5.663%	9.248%	55.870	760 500
1086	72,900	89,789	162,689	59,160	81,800	2.057%	3.133%	5.190%	30.775	561,800	3.477%	5.709%	9.186%	54.874	643 600
1077	34,425	51,050	85,475	31,082	25,400	1.897%	3.036%	4.932%	32.791	358,600	3.540%	5.581%	9.121%	54.041	384 000
1068	16,200	18,893	35,093	12,761	22,200	2.175%	3.451%	5.626%	35.649	268,400	3.118%	5.109%	8.227%	53.259	290 600
1059	0	7,189	7,189	2,614	700	2.100%	3.500%	5.600%	33.000	128,500	3.753%	5.847%	9.600%	59.257	129 200
1050	0	0	0	0	0	0.000%	0.000%	0.000%	0.000	0	0.000%	0.000%	0.000%	0.000	0
TOTAL	34,941,375	3,702,632	38,644,007	14,052,366	3,518,400	1.990%	3.085%	5.075%	29.623	12,360,850	3.468%	5.597%	9.065%	53.245	15 879 250

+4% tonnes by bench for entire ult pit  
 $\Sigma = 17.8 \times 106$

1863 850 phase 1 is 1,853,500  
 $\Delta = 10350$

+4% on benches 1257 to 1203 inclusive only  
 Which checks out!