SUMMARY OF GRADE INTERPOLATION PARAMETERS
VANGORDA V9009

GEOLOGICAL INTERPRETATION

by Reed, Wasel & Brown,
Long & X-sections completed September 1990

Geology bench plans completed to 1092 bench
September 1990

MODEL TYPE

PCMINE 3 Dimensional Block Model

MODEL LIMITS (LOCAL CO-ORDINATES)

Top Northing	10 665.48	Top Elevation	1 230
Bottom Northing	9 365.00	Bottom Elevation	990
Left Easting	9 797.50	Number of Benches	80
Right Easting	10 247.50	Bench Height	3 M

BLOCK MODEL DIMENSIONS

Width of column	4.50 m
Width of row	10.16 m
Height of block	3.00 m
Volume of block	137.16 BCM

Block rows are parallel to geological x-sections and normal to the structural grain of the deposit. Geological x-sections are 30.48 meters apart with DDH spacing approximately 15.24 meters along the section. The center of every third row corresponds to a geological x-section. Table 1 details section co-ordinates with corresponding row numbers.

ASSAYS

The Vangorda deposit is defined by 445 diamond drill holes and 35 rotary diamond drill holes. A total of 319 diamond drill holes with approximately 6700 assay intervals were selected for grade compositing. All rotary holes and selected early (1951-1955) diamond drill holes with questionable recoveries and assay data were not used. All assays were clipped to the 95th percentile for all ore types before compositing.

COMPOSITES

Composite intervals were constrained between lithologic contacts with a maximum width of approximately three meters (1/2 bench height). Composite lengths generally vary from 2.5 meters to 3.0 meters with a mean thickness of 2.7 meters. Geological composites less than one meter in length were not used in the grade interpolation.

ROCK MODEL

Interpreted cross and longitudinal sections were digitized at 1:500 scale. Cross sections are 30.48 meters (100 feet) apart, longitudinal sections are 15.24 meters (50 feet) apart. Bench plans were interpolated at three metre intervals with lithology contacts plotted on section traces using GEOMODEL. A geological interpretation was completed on each three meter bench. Inconsistencies between long and cross sections were smoothed and corrected. Bench plans were subsequently digitized and lithology polygons were imported into PCMINE for block model construction.

BENCH PLANS AND PCMINE ROCK MODEL IS ONLY COMPLETE FOR BENCHES 1164 TO 1092 AT THIS TIME.

MODEL INTERPOLATION

The Vangorda deposit can be divided into two distinct structural regimes separated by the Cross Fault. The SE sector (sections 12e to 32e) is characterized by a steep 23° SW dipping main ore zone. The NW sector (sections 4w to 12e) is characterized by a complexly folded gently NW plunging main ore zone. In the SE sector, the structure is more consistant in cross section than long section. The plunging structure in the NW sector is best seen in long section parallel to the fold axes. In order to reflect the two distinct structural regimes, these sectors were interpolated using independent computer runs. The table below shows the areas of interpolation for the two sectors of the deposit.

MODELING SECTORS

	Row Start	Row End	Col. Start	Col. End	Bench Start	Bench End	Deposit Dip	Deposit Plunge
SE	67	128	1	100	1	46	23° SW	n/a
NW	1	66	1	100	1	46	n/a	11° NW

Interpolation into blocks was done for density, %Pb, %Zn, AG g/t, and Au g/t. The block interpolation involved two passes. The search ellipsoid volume was increased approximately 30% in the second pass to interpolate ore blocks containing 00 values after the first pass.

Loose geologic matching of rock types between blocks and

composites was used for the V9009 interpolation. The carbonaceous quartzites (rock code 20) were interpolated separately from the footwall semi-massive quartzites (rock codes 30 & 40) and the massive sulfide rock types (rock codes 50 to 80).

In the southeast part of the deposit, the search ellipsoid has been tilted 23° to the southwest to follow the layering of the deposit. The northwest sector has the primary axis of the search ellipsoid plunging 11° to the northwest following the plunge of a major fold axis. The following table outlines the lengths of the primary axes for the search ellipsoid in the two passes.

SEARCH VOLUME ELLIPSOID

	SW-NE	NW-SE	Vertical
SE Sector			
Pass 1	50 meters	20 meters	4.5 meters
Pass 2	70 meters	35 meters	6.0 meters
NW Sector			
Pass 1	20 meters	50 meters	4.5 meters
Pass 2	35 meters	70 meters	6.0 meters

PCMINE SEARCH VOLUME PARAMETERS

	Horizontal Factor	Vertical Factor	Maximum Distance
SE Sector			
Pass 1	0.40	4.44	50 meters
Pass 2	0.50	5.83	70 meters
NW Sector			
Pass 1	2.50	11.11	50 meters
Pass 2	2.00	11.67	70 meters

A minimum of two composites was required to interpolate into blocks. The maximum allowable number of composites is eight. Composite values were weighted by the inverse distance between the center of the block and the center of the composite.

Vangorda Deposit
V9009 vs V8903 Reserve Comparison.
September 20, 1990

V9009 - Geological Composites, 3m Bench, Clipped assays (95 pct)
- Density reduced 2%
- Undiluted, No mining loss. Reserves within VIV 89 Ult Pit.

Cutoff = 3% Pb+Zn

Crest	Toe	Vol	Dens	Tonnes	%Pb+Zn	Metal
1158	1155	0	0.00	0	0.00	0
1155	1152	270	3.48	940	8.90	84
1152	1149	4,720	4.10	19,370	10.83	2,097
1149	1146	18,480	3.94	72,770	9.89	7,195
1146	1143	27,690	3.90	108,110	9.65	10,436
1143	1140	50,880	3.92	199,640	9.67	19,307
1140	1137	72,420	3.94	285,290	9.44	26,917
1137	1134	83,210	3.89	323,960	9.77	31,651
1134	1131	71,340	3.88	277,040	9.62	26,643
1131	1128	65,800	3.90	256,760	9.61	24,680
1128	1125	56,440	3.85	217,030	9.66	20,961
1125	1122	56,360	3.78	212,850	8.84	18,822
1122	1119	56,990	3.72	212,010	8.49	18,002
1119	1116	56,490	3.74	211,210	8.45	17,856
1116	1113	66,980	3.68	246,720	8.80	21,701
1113	1110	76,970	3.56	273,860	8.26	22,613
1110	1107	86,360	3.48	300,530	8.09	24,301
1107	1104	85,710	3.46	296,300	8.04	23,817
1104	1101	75,960	3.40	258,560	7.87	20,356
1101	1098	67,980	3.45	234,540	8.09	18,974
1098	1095	62,290	3.54	220,530	8.41	18,547
1095	1092	60,300	3.76	226,800	9.04	20,500
Total:		1,203,640	3.70	4,454,820	8.88	395,460

Vangorda Deposit
V9009 vs V8903 Reserve Comparison.

V8903 - Geological Composites, 3m Bench, No assay clipping
- No reduction of density
- Undiluted, No mining loss. Reserves within VIV 89 Ult Pit.

Cutoff = 3% Pb+Zn

Crest	Toe	Vol	Dens	Tonnes	%Pb+Zn	Metal
1158	1155	0	0.00	0	0.00	0
1155	1152	0	0.00	0	0.00	0
1152	1149	3,700	4.25	15,720	10.67	1,677
1149	1146	14,090	4.14	58,290	11.00	6,414
1146	1143	27,470	4.07	111,830	10.22	11,423
1143	1140	42,170	4.04	170,490	9.70	16,538
1140	1137	63,460	4.02	255,190	9.11	23,255
1137	1134	72,480	3.98	288,250	9.02	25,986
1134	1131	66,980	3.96	265,010	8.90	23,583
1131	1128	61,370	3.87	237,800	8.34	19,840
1128	1125	51,880	3.78	196,250	8.43	16,538
1125	1122	53,070	3.83	203,420	8.84	17,976
1122	1119	51,850	3.84	198,970	8.82	17,543
1119	1116	60,490	3.73	225,760	8.34	18,837
1116	1113	64,840	3.66	237,480	8.51	20,205
1113	1110	81,080	3.56	288,920	8.25	23,821
1110	1107	89,070	3.44	305,970	7.70	23,557
1107	1104	84,110	3.43	288,750	7.71	22,263
1104	1101	74,080	3.43	254,450	7.64	19,440
1101	1098	71,170	3.50	248,790	7.97	19,821
1098	1095	64,810	3.68	238,820	8.74	20,873
1095	1092	66,160	3.85	255,000	9.42	24,011
Total:		1,164,330	3.73	4,345,160	8.60	373,601

Vangorda Deposit
V9009 vs V8903 Reserve Comparison.
September 20, 1990

V9009 - Geological Composites, 3m Bench, Clipped assays (95 pct)
- Density reduced 2%
- Undiluted, No mining loss. Reserves within VIV 89 Ult Pit.

Cutoff = 4% Pb+Zn

Crest	Toe	Vol	Dens	Tonnes	%Pb+Zn	Metal
1158	1155	0	0.00	0	0.00	0
1155	1152	270	3.48	940	8.90	84
1152	1149	4,420	4.13	18,250	11.30	2,062
1149	1146	16,440	3.97	65,330	10.63	6,945
1146	1143	25,350	3.93	99,750	10.18	10,154
1143	1140	48,680	3.94	191,860	9.93	19,048
1140	1137	68,810	3.96	272,540	9.72	26,499
1137	1134	81,830	3.90	319,150	9.87	31,491
1134	1131	69,630	3.90	271,240	9.75	26,443
1131	1128	63,750	3.91	249,420	9.80	24,431
1128	1125	52,630	3.87	203,930	10.06	20,505
1125	1122	48,820	3.85	188,020	9.55	17,960
1122	1119	49,030	3.80	186,350	9.18	17,113
1119	1116	47,050	3.81	179,470	9.34	16,761
1116	1113	59,930	3.73	223,500	9.36	20,917
1113	1110	68,810	3.60	247,540	8.77	21,699
1110	1107	77,850	3.53	274,470	8.53	23,401
1107	1104	78,600	3.50	274,870	8.40	23,078
1104	1101	68,410	3.45	235,820	8.30	19,568
1101	1098	62,610	3.49	218,650	8.43	18,437
1098	1095	56,940	3.60	204,970	8.78	18,003
1095	1092	54,810	3.85	210,960	9.46	19,950
Total:		1,104,670	3.75	4,137,030	9.30	384,548

Vangorda Deposit
V9009 vs V8903 Reserve Comparison.

V8903 - Geological Composites, 3m Bench, No assay clipping
- No reduction of density
- Undiluted, No mining loss. Reserves within VIV 89 Ult Pit.

Cutoff = 4% Pb+Zn

Crest	Toe	Vol	Dens	Tonnes	%Pb+Zn	Metal
1158	1155	0	0.00	0	0.00	0
1155	1152	0	0.00	0	0.00	0
1152	1149	3,500	4.27	14,960	11.06	1,654
1149	1146	12,240	4.21	51,470	12.04	6,198
1146	1143	25,420	4.10	104,290	10.72	11,181
1143	1140	40,730	4.06	165,230	9.90	16,364
1140	1137	62,850	4.03	253,070	9.16	23,176
1137	1134	67,320	4.01	269,730	9.39	25,322
1134	1131	61,080	3.99	243,470	9.37	22,818
1131	1128	55,360	3.91	216,490	8.82	19,097
1128	1125	46,300	3.83	177,330	8.95	15,871
1125	1122	47,220	3.88	183,020	9.42	17,248
1122	1119	47,530	3.85	183,160	9.29	17,017
1119	1116	54,520	3.74	203,740	8.87	18,078
1116	1113	58,990	3.68	217,020	8.98	19,484
1113	1110	71,410	3.63	259,190	8.79	22,785
1110	1107	74,720	3.52	263,150	8.38	22,062
1107	1104	71,560	3.52	252,210	8.33	20,996
1104	1101	63,370	3.53	223,590	8.22	18,375
1101	1098	60,880	3.60	219,330	8.57	18,794
1098	1095	57,810	3.78	218,700	9.22	20,160
1095	1092	60,400	3.94	238,040	9.83	23,404
Total:		1,043,210	3.79	3,957,190	9.10	360,085

Vangorda Deposit
V9009 vs V8903 Reserve Comparison.
September 20, 1990

V9009 - Geological Composites, 3m Bench, Clipped assays (95 pct)
- Density reduced 2%
- Undiluted, No mining loss. Reserves within VIV 89 Ult Pit.

Cutoff = 5% Pb+Zn

Crest	Toe	Vol	Dens	Tonnes	%Pb+Zn	Metal
1158	1155	0	0.00	0	0.00	0
1155	1152	270	3.48	940	8.90	84
1152	1149	4,420	4.13	18,250	11.30	2,062
1149	1146	15,890	3.98	63,290	10.83	6,855
1146	1143	24,800	3.94	97,770	10.29	10,061
1143	1140	48,000	3.94	189,220	10.00	18,926
1140	1137	66,760	3.97	264,840	9.87	26,145
1137	1134	80,180	3.91	313,280	9.97	31,225
1134	1131	68,530	3.90	267,340	9.83	26,277
1131	1128	61,550	3.93	241,730	9.96	24,081
1128	1125	48,110	3.94	189,680	10.48	19,875
1125	1122	43,330	3.94	170,660	10.07	17,191
1122	1119	43,590	3.89	169,420	9.66	16,363
1119	1116	41,970	3.90	163,830	9.80	16,054
1116	1113	53,340	3.82	203,700	9.83	20,020
1113	1110	57,200	3.73	213,240	9.45	20,151
1110	1107	66,760	3.62	241,570	9.07	21,903
1107	1104	66,340	3.59	238,260	9.00	21,436
1104	1101	57,160	3.56	203,720	8.90	18,133
1101	1098	53,970	3.60	194,290	8.93	17,344
1098	1095	50,220	3.71	186,440	9.21	17,169
1095	1092	50,560	3.93	198,920	9.76	19,421
Total:		1,002,950	3.82	3,830,390	9.68	370,774

Vangorda Deposit
V9009 vs V8903 Reserve Comparison.

V8803 - Geological Composites, 3m Bench, No assay clipping
- No reduction of density
- Undiluted, No mining loss. Reserves within VIV 89 Ult Pit.

Cutoff = 5% Pb+Zn

Crest	Toe	Vol	Dens	Tonnes	%Pb+Zn	Metal
1158	1155	0	0.00	0	0.00	0
1155	1152	0	0.00	0	0.00	0
1152	1149	3,500	4.27	14,960	11.06	1,654
1149	1146	12,240	4.21	51,470	12.04	6,198
1146	1143	25,210	4.10	103,280	10.78	11,133
1143	1140	40,520	4.05	164,300	9.93	16,320
1140	1137	61,410	4.03	247,780	9.26	22,939
1137	1134	63,990	4.02	257,380	9.63	24,778
1134	1131	58,200	4.00	232,990	9.60	22,365
1131	1128	50,710	3.93	199,230	9.20	18,329
1128	1125	41,890	3.87	162,110	9.37	15,188
1125	1122	42,900	3.92	167,970	9.87	16,572
1122	1119	42,560	3.91	166,620	9.77	16,285
1119	1116	49,580	3.79	187,720	9.24	17,347
1116	1113	52,610	3.76	197,720	9.40	18,590
1113	1110	62,260	3.72	231,670	9.30	21,543
1110	1107	64,740	3.60	232,860	8.89	20,690
1107	1104	62,470	3.61	225,340	8.78	19,787
1104	1101	53,250	3.66	195,020	8.76	17,082
1101	1098	52,650	3.72	196,010	9.05	17,737
1098	1095	49,790	3.94	196,070	9.76	19,144
1095	1092	55,670	4.02	223,610	10.18	22,772
Total:		946,150	3.86	3,654,110	9.48	346,453

Vangorda Deposit
V9009 vs V8903 Reserve Comparison.
September 20, 1990

V9009 - Geological Composites, 3m Bench, Clipped assays (95 pct)
- Density reduced 2%
- Undiluted, No mining loss. Reserves within VIV 89 Ult Pit.

Cutoff = 6% Pb+Zn

Crest	Toe	Vol	Dens	Tonnes	%Pb+Zn	Metal
1158	1155	0	0.00	0	0.00	0
1155	1152	270	3.48	940	8.90	84
1152	1149	4,150	4.17	17,300	11.60	2,006
1149	1146	15,620	3.99	62,250	10.93	6,801
1146	1143	23,430	3.96	92,670	10.56	9,781
1143	1140	45,530	3.95	179,740	10.24	18,402
1140	1137	64,420	3.98	256,410	10.01	25,672
1137	1134	78,400	3.92	307,170	10.05	30,883
1134	1131	66,880	3.91	261,500	9.93	25,954
1131	1128	59,080	3.94	232,570	10.14	23,578
1128	1125	44,680	4.00	178,510	10.79	19,252
1125	1122	39,080	4.02	156,920	10.48	16,439
1122	1119	37,030	4.01	148,570	10.25	15,224
1119	1116	37,720	3.99	150,690	10.19	15,349
1116	1113	46,760	3.94	184,180	10.29	18,954
1113	1110	47,320	3.89	183,910	10.09	18,547
1110	1107	51,950	3.82	198,220	9.86	19,537
1107	1104	54,540	3.74	203,830	9.58	19,533
1104	1101	48,280	3.71	178,880	9.36	16,745
1101	1098	46,430	3.73	173,230	9.34	16,176
1098	1095	43,260	3.83	165,740	9.67	16,034
1095	1092	45,080	4.03	181,590	10.17	18,462
Total:		899,910	3.91	3,514,820	10.05	353,413

Vangorda Deposit
V9009 vs V8903 Reserve Comparison.

V8903 - Geological Composites, 3m Bench, No assay clipping
- No reduction of density
- Undiluted, No mining loss. Reserves within VIV 89 Ult Pit.

Cutoff = 6% Pb+Zn

Crest	Toe	Vol	Dens	Tonnes	%Pb+Zn	Metal
1158	1155	0	0.00	0	0.00	0
1155	1152	0	0.00	0	0.00	0
1152	1149	2,670	4.24	11,320	10.88	1,231
1149	1146	11,380	4.19	47,720	12.21	5,828
1146	1143	23,430	4.09	95,840	10.95	10,497
1143	1140	37,510	4.06	152,310	10.13	15,434
1140	1137	56,430	4.03	227,570	9.53	21,685
1137	1134	61,800	4.02	248,370	9.73	24,174
1134	1131	55,970	4.01	224,380	9.74	21,852
1131	1128	45,570	3.96	180,530	9.56	17,253
1128	1125	35,770	3.93	140,610	9.85	13,844
1125	1122	38,170	3.98	152,000	10.26	15,591
1122	1119	37,060	4.01	148,440	10.21	15,154
1119	1116	38,470	3.96	152,190	9.95	15,147
1116	1113	41,460	3.92	162,370	10.12	16,437
1113	1110	49,940	3.89	194,280	10.00	19,422
1110	1107	49,950	3.80	190,040	9.66	18,348
1107	1104	49,730	3.79	188,670	9.41	17,748
1104	1101	42,550	3.86	164,040	9.36	15,356
1101	1098	42,770	3.93	167,990	9.65	16,209
1098	1095	43,820	4.08	178,870	10.18	18,205
1095	1092	51,020	4.12	210,200	10.49	22,054
Total:		815,470	3.97	3,237,740	9.93	321,471

CURRAGH RESOURCES INC.

VANGORDA DEPOSIT V8912 RESERVES

February 2, 1990

Reserves Calculated Between : Top Pit Surface (1) Start-up of Mining Topographic Surface (V1)
Bottom Pit Surface (2) VIV December 1989 Vangorda Ultimate Pit Design (V4)

Pb+Zn Cutoff = 3% No mining loss, no dilution, no adjustments.

Crest m	Toe m	Volume cu. m	Dens mt/cu m	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt
1158	1152	0	0.00						
1152	1146	17,320	3.97	68,680	7.96	3.77	4.19	55.2	1.37
1146	1140	81,390	3.85	313,870	7.79	3.36	4.43	58.1	0.98
1140	1134	150,000	3.84	575,470	8.19	3.60	4.59	52.0	0.84
1134	1128	135,410	3.79	513,090	8.05	3.58	4.47	51.7	0.79
1128	1122	113,420	3.69	418,950	8.11	3.51	4.60	52.0	0.76
1122	1116	111,700	3.71	414,000	8.15	3.45	4.70	51.9	0.77
1116	1110	143,320	3.59	515,030	8.29	3.56	4.73	50.4	0.74
1110	1104	175,460	3.42	600,630	7.53	3.17	4.36	45.0	0.74
1104	1098	153,020	3.45	530,110	7.53	3.23	4.30	46.2	0.76
1098	1092	132,240	3.74	494,130	8.97	4.01	4.96	57.6	0.73
1092	1086	103,760	4.01	415,990	9.63	4.28	5.35	59.1	0.78
1086	1080	109,500	3.88	425,240	8.92	3.94	4.98	55.3	0.76
1080	1074	111,100	3.97	441,560	9.25	4.13	5.12	58.9	0.81
1074	1068	89,000	4.01	356,000	9.00	4.11	4.97	59.1	0.84
1068	1062	71,560	4.03	288,370	9.00	4.13	4.87	58.6	0.72
1062	1056	64,030	3.99	250,020	8.40	3.91	4.57	55.0	0.75
1056	1050	60	4.00	240	5.02	2.33	2.69	35.2	1.34
1050	1044	0	0.00						
Total:		1,764,210	3.76	6,630,900	8.41	3.70	4.71	53.2	0.79

Pb+Zn Cutoff = 4% (No mining loss, no dilution, no adjustments.)

Volume cu. m	Dens mt/cu m	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt
0	0.00						
14,830	4.04	56,610	8.90	4.24	4.66	61.9	1.45
61,400	3.89	239,010	9.13	3.89	5.24	57.9	0.99
136,640	3.85	526,320	8.63	3.70	4.85	54.5	0.83
122,470	3.82	467,540	8.50	3.70	4.72	54.1	0.79
98,470	3.73	367,540	8.77	3.80	4.97	56.6	0.76
96,440	3.73	360,050	8.80	3.76	5.12	55.6	0.76
120,450	3.65	460,990	8.76	3.77	4.99	53.1	0.75
147,650	3.50	516,970	8.19	3.47	4.72	49.7	0.76
130,190	3.53	460,010	8.14	3.51	4.63	50.0	0.79
116,610	3.84	447,100	9.55	4.28	5.27	61.4	0.75
90,660	4.05	399,950	9.00	4.39	5.49	60.6	0.79
97,230	3.94	382,710	9.52	4.10	5.34	50.0	0.74
102,760	4.01	411,750	9.66	4.29	5.37	61.4	0.01
83,360	4.05	337,290	9.39	4.25	5.14	61.1	0.05
69,430	4.03	200,060	9.17	4.20	4.97	59.5	0.71
61,370	4.00	245,570	0.75	4.03	4.72	57.3	0.74
30	3.67	110	7.39	3.54	3.05	45.6	1.01
0	0.00						
1,565,190	3.01	5,967,660	0.95	3.94	5.02	56.4	0.79

Pb+Zn Cutoff = 5% (No mining loss, no dilution, no adjustments.)

Volume cu. m	Dens mt/cu m	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt
0	0.00						
12,390	4.07	50,360	9.46	4.53	4.93	65.0	1.52
59,340	3.09	231,090	9.20	3.94	5.34	50.9	0.99
120,500	3.09	499,900	0.06	3.09	4.97	55.0	0.04
112,650	3.05	434,190	0.02	3.93	4.09	55.9	0.01
09,300	3.70	330,100	9.14	3.90	5.16	59.0	0.70
05,900	3.79	325,400	9.34	3.96	5.30	57.9	0.76
112,390	3.73	419,150	9.27	4.00	5.27	56.3	0.77
131,730	3.56	460,500	0.50	3.65	4.93	51.9	0.77
114,960	3.60	414,060	0.57	3.71	4.06	52.6	0.01
105,500	3.93	415,040	9.94	4.47	5.47	64.2	0.76
97,010	4.07	395,060	9.94	4.42	5.52	61.0	0.79
92,300	3.97	365,930	9.75	4.27	5.40	60.2	0.74
99,200	4.02	390,960	9.04	4.35	5.49	62.4	0.01
01,400	4.06	330,210	9.50	4.30	5.20	61.0	0.03
69,020	4.03	270,330	9.20	4.21	4.99	59.7	0.70
61,240	4.00	245,090	0.76	4.03	4.73	57.4	0.74
30	3.67	110	7.39	3.54	3.05	45.6	1.01
0	0.00						
1,453,100	3.06	5,609,720	9.24	4.07	5.17	50.2	0.00

Pb+Zn Cutoff = 3-4% No mining loss, no dilution, no adjustments.

Crest m	Toe m	Volume cu. m	Dens mt/cu m	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt
1158	1152	0	0.0						
1152	1146	3,290	3.7	12,070	3.52	1.57	1.95	23.0	1.01
1146	1140	19,990	3.7	74,060	3.45	1.65	1.00	24.0	0.94
1140	1134	13,360	3.7	49,150	3.45	1.65	1.00	25.3	0.91
1134	1128	12,940	3.5	45,550	3.36	1.49	1.00	26.5	0.79
1128	1122	14,950	3.4	51,410	3.36	1.41	1.95	25.5	0.77
1122	1116	15,340	3.6	54,750	3.42	1.46	1.95	27.7	0.05
1116	1110	14,070	3.1	46,040	3.50	1.37	2.14	23.1	0.67
1110	1104	27,010	3.0	03,660	3.42	1.34	2.00	22.2	0.61
1104	1098	23,630	3.0	70,100	3.49	1.30	2.10	21.1	0.54
1098	1092	15,630	3.0	46,950	3.49	1.47	2.01	21.5	0.57
1092	1086	5,100	3.1	16,040	3.45	1.57	1.00	21.9	0.57
1086	1080	12,350	3.4	42,530	3.45	1.77	1.60	24.6	0.00
1080	1074	0,420	3.5	29,010	3.54	1.96	1.50	25.3	0.90
1074	1060	5,720	3.4	19,510	3.45	1.56	1.09	24.1	0.01
1060	1062	2,130	3.9	0,310	3.22	1.01	1.41	26.3	1.20
1062	1056	3,460	3.0	13,250	3.46	1.76	1.71	26.6	0.97
1056	1050	30	4.3	130	3.01	1.30	1.71	26.4	0.94
1050	1044	0	0.0						
Total:		100,070	3.77	003,720	3.44	1.52	1.92	24.1	0.74

Pb+Zn Cutoff = 4-5% (No mining loss, no dilution, no adjustments.)

Volume cu. m	Dens mt/cu m	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt
0	0.00						
1,640	3.01	0,250	4.45	1.93	2.52	30.2	0.06
2,060	3.05	7,920	4.67	2.24	2.43	27.5	0.75
0,060	3.20	26,420	4.49	1.05	2.64	29.1	0.64
9,020	3.40	33,350	4.50	1.95	2.64	31.6	0.40
9,090	3.23	29,360	4.54	1.00	2.74	29.2	0.63
10,460	3.31	34,570	4.49	1.01	2.60	33.0	0.69
16,060	3.10	49,040	4.45	1.02	2.64	26.6	0.63
15,920	3.04	40,390	4.40	1.75	2.73	27.6	0.59
15,230	3.02	45,950	4.37	1.75	2.62	25.0	0.62
11,110	2.09	32,140	4.45	1.02	2.63	24.0	0.61
1,650	2.96	4,090	4.64	1.09	2.75	25.5	0.65
4,930	3.40	16,700	4.50	2.17	2.33	27.4	0.70
3,560	3.59	12,790	4.25	2.35	1.90	20.4	0.03
1,960	3.61	7,000	4.40	1.90	2.50	20.3	1.30
410	4.22	1,730	4.40	2.75	1.66	20.7	1.55
130	3.69	400	4.44	2.00	2.36	24.7	1.21
0	0.00						
0	0.00						
112,090	3.10	357,940	4.47	1.07	2.41	20.2	0.66