

F8805, F8908, F8910 & F9003

MODELLING PARAMETERS

PREDICTION/BLASTHOLE COMPARISONS

- (1) Start-up to Dec 31, 1987
- (2) Jan 1, 1988 to Dec 31, 1988
- (3) Jan 1, 1989 to Dec 31, 1989
- (4) Remaining reserves Jan 1, 1990

003470

**KEY MODELLING PARAMETERS  
FARO F8805, F8908, F8910 AND F9003  
PCMINE COMPUTER RESERVE ESTIMATES**

(ALL MODELS)

**MODEL TYPE:** PCMINE 3 Dimensional Block Model

**MODEL LIMITS:** (Local Co-ordinates)

TOP NORTHING:	40,017.68	TOP ELEVATION:	4,270 ft.
BOTTOM NORTHING:	35,492.20	BOTTOM ELEVATION:	3,909 ft.
LEFT EASTING:	20,000	NUMBER OF BENCHES:	50
RIGHT EASTING:	23,200	BENCH HEIGHT:	20 ft.

**BLOCK MODEL DIMENSIONS:**

WIDTH OF COLUMN:	25.0 ft.
WIDTH OF ROW:	35.35 ft.
HEIGHT OF BLOCK:	20.0 ft.

Rows of the blocks are parallel to the geological cross-sections and normal to the structural grain of the deposit.

**ROCK MODEL:**

**F8805, F8908, F8910:**

Steve Cheesman interpretation completed in April, 1988

**F9003:**

Steve Cheesman interpretation, rock model edited to reflect additional diamond drilling completed between June, 1987 to March, 1990. Editing completed on remaining reserves (March, 1990) southeast of Section 120+00 (3510 bench and below).

**GRADE MODELS:**

**ELEMENTS MODELLED:** % Pb, % Zn, Ag (g/mt), Au (g/mt), Density (tnns/bcf)

**DIAMOND DRILLING:**

**F8805, F8908, F8910:**

Most extensive drilling on 141. ft x 141 ft. grid. Additional selected fill-in drilling on +070 ft X-sections was completed in 1986. Total number of diamond drillholes = 284.

**F9003:**

Additional drilling of 76 drillholes. Selective infill drilling on 70 ft. x 70 ft. spacing in "S" and "E" phases. Also, additional surface drilling in ~~SF~~ underground reserves.

**ASSAYS**

- F8805, F8908: As assayed, no clipping or S.G. reduction
- F8910: Pb, Zn, Ag, Au, S.G. clipped to 95th percentile for massive and disseminated ore types before compositing. No additional S.G. reduction.
- F9003: Pb, Zn, Ag, Au, S.G. clipped to 95th percentile for massive and disseminated ore types before compositing. Additional 2% reduction of S.G. for all ore types before compositing.

**FARO ASSAY CLIPPING**

Massive Sulphide (rock types 40-70)	%Pb	%Zn	Ag (g/mt)	Au (g/mt)	S.G.
Number of Samples	2305	2308	2284	1177	2297
Mean Value	4.06	5.98	46.8	0.159	4.41
95th Percentile	7.94	12.05	108.0	0.590	5.22
Number of Samples Clipped	115	116	114	59	115
<i>.125 mt/ha</i>					
<i>.093 mt/ha</i>					
Quartzose Sulphide (rock types 20-30)					
Number of Samples	1900	1902	1864	999	1881
Mean Value	2.51	5.00	35.2	0.238	3.29
95th Percentile	5.87	10.27	84.9	0.832	4.17
Number of Samples Clipped	95	96	93	50	94

**SEARCH ELLIPSOID GEOMETRY:**

In cross-section, the Faro Zone 3 deposit can be divided into five separate structural sectors with consistent deposit dips. The geometry of the search ellipsoid is defined to approximate the trends of the orebody in these five sectors. Each of the five sectors were interpolated in totally independent computer runs. The following table indicates model blocks interpolated for each of the five sectors.

MODEL INTERPOLATION - F8805, F8908, F8910

	Row Start	Row End	Col. Start	Col. End	Bench Start	Bench End	Deposit Dip
NE SECTOR	39	73	78	128	1	50	12° SW
NC SECTOR	39	73	49	77	1	50	0° (flat)
NW SECTOR	39	76	1	48	1	50	12° SW
SW SECTOR	77	113	1	48	1	50	20° SW
SC SECTOR	74	113	49	128	1	50	0° (flat)

MODEL INTERPOLATION - F9003

	Row Start	Row End	Col. Start	Col. End	Bench Start	Bench End	Deposit Dip
NE SECTOR	39	64	78	128	1	50	12° <sup>SW</sup> <del>(flat)</del>
NC SECTOR	39	64	50	77	1	50	0° (flat)
NW SECTOR	39	76	1	49	1	50	12° SW
SW SECTOR	77	113	1	49	1	50	20° SW
SC SECTOR	65	113	50	128	1	50	0° (flat)

GRADE INTERPOLATION PASSES:

Parameters interpolated into each block were density tns/bcf., % Pb, % Zn, Ag g/mt, and Au g/mt. Interpolation may be completed in one or more passes with the search volume for suitable composites being increased with each pass. In each succeeding pass only those blocks still containing 00 grade values were interpolated.

F8805, F8908, F8910 SEARCH VOLUME ELLIPSOID

	NW-SE	NE-SW	VERTICAL
Pass 1	225	150	14
Pass 2	225	150	37.5
Pass 3	300	200	37.5

F9003 SEARCH VOLUME ELLIPSOID

	NW-SE	NE-SW	VERTICAL
Pass 1	120	70	19
Pass 2	240	140	19

### F9003 PCMINE SEARCH VOLUME PARAMETERS

	HORIZONTAL FACTOR	VERTICAL FACTOR	MAXIMUM DISTANCE
Pass 1	0.58	6.32	120
Pass 2	0.58	12.63	240

### F8805, F8908, F8910 PCMINE SEARCH VOLUME PARAMETERS

	HORIZONTAL FACTOR	VERTICAL FACTOR	MAXIMUM DISTANCE
Pass 1	0.6667	10.7	150
Pass 2	0.6667	4.0	150
Pass 3	0.6667	5.3	200

### COMPOSITE SELECTION CRITERIA IN THE PCMINE GRADE INTERPOLATION PROCESS

In the grade interpolation process, PCMINE allows the optional matching of the interpreted block geology against the rock type of the assay composite. For example, matching massive sulphide assay composites would ensure that only massive sulphide assays are used to interpolate grade into a massive sulphide ore block. The geology matching criteria for each of the models is as follows:

**F8805:** Strict matching of geology. Matching of the detailed rock types of all interpreted lithologies and stratigraphic (or structural) horizons.

**F8908, F8910, F9003:** Loose matching of geology. All interpreted disseminated ore types (rock codes 20-30) grouped together as one lithology (rock code 10 in simplified lithology model). All massive sulphide ore types grouped together as one lithology (rock code 11 in simplified lithology model). Composite selection was carried out based on matching the simplified lithologies.

### COMPOSITE WEIGHTING

Composites are weighted by a factor which is inversely proportional to the distance from the block centre to the centre of the composite. Weighting factors for each of the models are as follows:

F8805, F8908, F8910:  $1/D^2$   
F9003:  $1/D$

A second F9003 model was constructed using  $1/D^2$  weighting.

## MINIMUM AND MAXIMUM NUMBER OF COMPOSITES

The minimum and maximum composite number required to interpolate a grade block allows for the indirect control of the amount of averaging and the relative weighting of nearby composites. The lower the minimum number of composites, the more likely a block would be interpolated in the more restrictive first pass, particularly in the lesser drilled margins of the orebody. This minimizes the possibility of over estimating ore at the deposit margin because it is less likely that a more distant higher grade composite near the centre of the orebody be used to interpolate grade at the deposit margin.

Specifying the maximum number of composites has a similar effect. The higher the maximum, the further away a composite may be from the block to be interpolated and the result may be more highly averaged.

	MINIMUM	MAXIMUM
F8805, F8908	3	20
F8910	2	20
F9003	2	6

## SUMMARY OF PCMINE GRADE INTERPOLATION PROCESS

1. Grade compositing is completed in the Faro PCXPLOR database. Extraction files for each element to be modelled are created. The extraction file contains the northing, easting and elevation of the centre of the composite, the assay composite value, and the integer rock code. The integer rock code is assigned based on the mid-composite geology, regardless of the thickness of the unit.
2. Each element is modelled separately into its own block model. For example, if lead is currently being modelled, the lead extraction file created in Step 1 is copied over to the PCMINE extraction file, (PCMINE.MEX). The modelling parameters for that element are defined and the modelling program is executed. The modelling parameters ~~for all Faro models~~ are the same for each element.
3. The search ellipsoid is centred on the block to be interpolated. The ellipsoid geometry for each model is defined on page 2 "Search Ellipsoid Geometry". All composites within the ellipsoid volume are sorted according to increasing distance from the block centre. Composites which do not meet the geology selection criteria are discarded. The selection criteria for each model is defined on page 4.

If the number of remaining composites is less than the required maximum number, the block remains uninterpolated in the current pass. The ellipsoid will move to the next block and the process is repeated.

If the number of selected composites is greater than the specified maximum, the closest composites up to the maximum number are selected and used in the grade interpolation. The assays are weighted by the inverse of the distance from the block centre raised to a power. Weighting powers for each model are detailed on page 4, "Composite Weighting".

4. The process described above is repeated for each element in all five defined sectors (page 3) for every pass (page 4).
5. All ore density blocks which remain uninterpolated at the end of the final pass are assigned average values for that ore type. All waste types are assigned a density of .076 mt/bcf.

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April 23, 1990  
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**MODEL VS BLASTHOLES-COMPARISON SUMMARIES**

**Curragh Resources Inc.  
Faro Predicted Computer Reserves vs Actual Blasthole Results**

Period : January 1 1986 to December 31 1987  
%Pb+Zn Cutoff = 4.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
Blasthole	1,992,595	3.00	5,977,786	7.87	NA	470,733
F8805	2,137,808	2.84	6,061,502	7.81	37.7	473,562
F8908	1,960,839	3.06	6,005,397	7.66	36.4	459,981
F8910	1,993,215	3.06	6,092,854	7.51	35.5	457,823
F9003 1/D	1,989,719	2.95	5,874,544	7.07	32.8	415,565
F9003 1/D2	1,914,738	2.96	5,669,524	7.31	34	414,272

% Variance (Blasthole-Model)/Blasthole\*100

F8805	-7.3	5.5	-1.4	0.8	NA	-0.6
F8908	1.6	-2.1	-0.5	2.7	NA	2.3
F8910	-0.0	-1.9	-1.9	4.6	NA	2.7
F9003 1/D	0.1	1.6	1.7	10.2	NA	11.7
F9003 1/D2	3.9	1.3	5.2	7.2	NA	12.0

Period : January 1 1986 to December 31 1987  
%Pb+Zn Cutoff = 5.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
Blasthole	1,763,507	3.00	5,290,522	8.29	NA	438,355
F8805	1,946,254	2.88	5,605,359	8.11	38.2	454,830
F8908	1,698,450	3.09	5,242,775	8.12	38.2	425,498
F8910	1,693,848	3.09	5,234,453	8.01	37.4	419,076
F9003 1/D	1,664,325	2.99	4,970,039	7.54	36.5	374,492
F9003 1/D2	1,625,450	2.99	4,860,162	7.77	37.5	377,683

% Variance (Blasthole-Model)/Blasthole\*100

F8805	-10.4	4.0	-6.0	2.1	NA	-3.8
F8908	3.7	-2.9	0.9	2.0	NA	2.9
F8910	4.0	-3.0	1.1	3.4	NA	4.4
F9003 1/D	5.6	0.5	6.1	9.1	NA	14.6
F9003 1/D2	7.8	0.3	8.1	6.2	NA	13.8

F8805 - Diluted 10% with material grading 0% Pb+Zn.  
- 95% mining recovery.

- Dilutant density = 2.5 mt/bcy.  
- Geology composites, no clipping.

F8908 - No dilution, 95% mining recovery.  
- Bench composites, no clipping.

F8910 - No dilution, 95% mining recovery

\* F9003 - Bench composites, assays clipped to 95th percentile.

Curragh Resources Inc.  
Faro Predicted Computer Reserves vs Actual Blasthole Results

Period : January 1 1988 to December 31 1988  
%Pb+Zn Cutoff = 4.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
Blasthole	1,526,419	3.00	4,579,256	8.92	53.0	408,286
F8805	1,641,495	2.83	4,642,904	8.85	50.1	410,692
F8908	1,518,591	3.05	4,633,378	8.57	47.9	397,049
F8910	1,516,229	3.05	4,617,979	8.57	48.0	395,857
F9003 1/D	1,502,078	2.95	4,428,995	8.11	45.3	358,970
F9003 1/D2	1,488,395	2.94	4,382,246	8.26	46.4	361,973

% Variance (Blasthole-Model)/Blasthole\*100

F8805	-7.5	5.7	-1.4	0.8	5.6	-0.6
F8908	0.5	-1.7	-1.2	3.9	9.8	2.8
F8910	0.7	-1.5	-0.8	3.9	9.5	3.0
F9003 1/D	1.6	1.7	3.3	9.1	14.6	12.1
F9003 1/D2	2.5	1.9	4.3	7.4	12.5	11.3

Period : January 1 1988 to December 31 1988  
%Pb+Zn Cutoff = 5.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
Blasthole	1,428,053	3.00	4,284,158	9.19	54.0	393,540
F8805	1,527,610	2.86	4,370,221	9.14	56.8	399,536
F8908	1,307,829	3.07	4,019,374	9.19	51.1	369,524
F8910	1,299,993	3.07	3,985,583	9.22	51.2	367,402
F9003 1/D	1,297,506	2.98	3,860,468	8.63	47.9	333,236
F9003 1/D2	1,271,911	2.98	3,785,893	8.86	49.3	335,354

% Variance (Blasthole-Model)/Blasthole\*100

F8805	-7.0	4.6	-2.0	0.5	-5.2	-1.5
F8908	8.4	-2.4	6.2	-0.1	5.4	6.1
F8910	9.0	-2.2	7.0	-0.4	5.0	6.6
F9003 1/D	9.1	0.8	9.9	6.0	11.2	15.3
F9003 1/D2	10.9	0.8	11.6	3.6	8.7	14.8

- F8805 - Diluted 10% with material grading 0% Pb+Zn.  
 - 95% mining recovery.  
 - Dilutant density = 2.5 mt/bcy.  
 - Geology composites, no clipping.
- F8908 - No dilution, 95% mining recovery.  
 - Bench composites, no clipping.
- F8910 - No dilution, 95% mining recovery  
 - Bench composites, assays clipped to 95th percentile.

**Curragh Resources Inc.  
Faro Predicted Computer Reserves vs Actual Blasthole Results**

Period : January 1 1989 to December 31 1989  
%Pb+Zn Cutoff = 4.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
Blasthole	1,688,618	3.00	5,065,854	7.38	35.8	373,990
F8805	1,852,648	2.90	5,373,233	7.89	39.3	423,689
F8908	1,686,813	3.06	5,159,023	7.49	35.2	386,236
F8910	1,701,432	3.06	5,199,094	7.55	34.5	392,767
F9003 1/D	1,688,925	2.98	5,027,657	7.32	33.3	367,823
F9003 1/D2	1,636,522	3.00	4,903,568	7.51	33.9	368,013

% Variance (Blasthole-Model)/Blasthole\*100

F8805	-9.7	3.3	-6.1	-6.8	-9.6	-13.3
F8908	0.1	-1.9	-1.8	-1.4	1.8	-3.3
F8910	-0.8	-1.9	-2.6	-2.3	3.6	-5.0
F9003 1/D	-0.0	0.8	0.8	0.9	7.1	1.6
F9003 1/D2	3.1	0.1	3.2	-1.7	5.4	1.6

Period : January 1 1989 to December 31 1989  
%Pb+Zn Cutoff = 5.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
Blasthole	1,436,195	3.00	4,308,585	7.90	37.0	340,252
F8805	1,685,898	2.96	4,992,038	8.17	40.0	408,045
F8908	1,420,755	3.13	4,450,912	7.95	36.1	354,061
F8910	1,438,141	3.13	4,503,988	8.02	35.5	361,331
F9003 1/D	1,364,370	3.06	4,181,311	7.88	34.5	329,571
F9003 1/D2	1,350,531	3.07	4,148,204	8.05	35.2	333,972

% Variance (Blasthole-Model)/Blasthole\*100

F8805	-17.4	1.3	-15.9	-3.5	-7.9	-19.9
F8908	1.1	-4.4	-3.3	-0.7	2.6	-4.1
F8910	-0.1	-4.4	-4.5	-1.6	4.2	-6.2
F9003 1/D	5.0	-2.2	3.0	0.2	6.9	3.1
F9003 1/D2	6.0	-2.4	3.7	-1.9	5.0	1.8

- F8805 - Diluted 10% with material grading 0% Pb+Zn.  
 - 95% mining recovery.  
 - Dilutant density = 2.5 mt/bcy.  
 - Geology composites, no clipping.
- F8908 - No dilution, 95% mining recovery.  
 - Bench composites, no clipping.
- F8910 - No dilution, 95% mining recovery  
 - Bench composites, assays clipped to 95th percentile.

Curragh Resources Inc.  
Faro Predicted Computer Reserves vs Actual Blasthole Results

Period : ALL PERIODS - January 1 1986 to December 31 1989  
%Pb+Zn Cutoff = 4.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
Blasthole	5,207,632	3.00	15,622,896	8.02	NA	1,253,010
F8805	5,631,951	2.85	16,077,639	8.14	44.7	1,307,942
F8908	5,166,243	3.06	15,797,797	7.87	39.4	1,243,267
F8910	5,210,876	3.05	15,909,926	7.83	38.8	1,246,447
F9003 1/D	5,180,723	2.96	15,331,195	7.45		1,142,359
F9003 1/D2	5,039,655	2.97	14,955,337	7.65		1,144,258

% Variance (Blasthole-Model)/Blasthole\*100

F8805	-8.1	4.8	-2.9	-1.4	NA	-4.4
F8908	0.8	-1.9	-1.1	1.9	NA	0.8
F8910	-0.1	-1.8	-1.8	2.3	NA	0.5
F9003 1/D	0.5	1.4	1.9	7.1	NA	8.8
F9003 1/D2	3.2	1.1	4.3	4.6	NA	8.7

Period : ALL PERIODS - January 1 1986 to December 31 1989  
%Pb+Zn Cutoff = 5.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
Blasthole	4,627,755	3.00	13,883,265	8.44	NA	1,172,148
F8805	5,159,761	2.90	14,967,619	8.43	45.9	1,262,411
F8908	4,427,034	3.10	13,713,060	8.38	41.3	1,149,083
F8910	4,431,982	3.10	13,724,023	8.36	40.8	1,147,808
F9003 1/D	4,326,200	3.01	13,011,818	7.97		1,037,299
F9003 1/D2	4,247,891	3.01	12,794,258	8.18		1,047,009

% Variance (Blasthole-Model)/Blasthole\*100

F8805	-11.5	3.3	-7.8	0.1	NA	-7.7
F8908	4.3	-3.3	1.2	0.8	NA	2.0
F8910	4.2	-3.2	1.1	0.9	NA	2.1
F9003 1/D	6.5	-0.3	6.3	5.6	NA	11.5
F9003 1/D2	8.2	-0.4	7.8	3.1	NA	10.7

- F8805 - Diluted 10% with material grading 0% Pb+Zn.  
 - 95% mining recovery.  
 - Dilutant density = 2.5 mt/bcy.  
 - Geology composites, no clipping.
- F8908 - No dilution, 95% mining recovery.  
 - Bench composites, no clipping.
- F8910 - No dilution, 95% mining recovery  
 - Bench composites, assays clipped to 95th percentile.

Curragh Resources Inc.  
 Faro Deposit - Predicted Computer Reserves

Period : Remaining Reserves - January 1 1990  
 %Pb+Zn Cutoff = 4.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
F8805	3,482,640	2.75	9,562,596	7.57	32.7	723,933
F8908	3,454,914	2.99	10,342,223	7.33	29.2	758,016
F8910	3,476,655	2.99	10,383,766	7.16	28.4	743,218
F9003 1/D	3,482,002	2.85	9,925,942	6.80	25.6	674,468
F9003 1/D2	3,328,616	2.86	9,516,986	7.02	26.2	667,807

Period : Remaining Reserves - January 1 1990  
 %Pb+Zn Cutoff = 5.0%

	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	Ag g/mt	Metal
F8805	2,966,474	2.79	8,289,713	8.11	34.3	672,218
F8908	2,790,256	3.02	8,424,847	7.98	31.0	672,090
F8910	2,822,663	3.02	8,517,482	7.74	30.2	659,211
F9003 1/D	2,702,543	2.88	7,779,769	7.43	27.3	577,803
F9003 1/D2	2,633,666	2.89	7,610,384	7.65	27.9	582,194

- F8805 - Diluted 10% with material grading 0% Pb+Zn.
- 95% mining recovery.
- Dilutant density = 2.5 mt/bcy.
- Geology composites, no clipping.
- F8908 - No dilution, 95% mining recovery.
- Bench composites, no clipping.
- F8910 - No dilution, 95% mining recovery
- Bench composites, assays clipped to 95th percentile.

**COMPUTER RESERVE PREDICTIONS VS ACTUAL BLASTHOLE RESULTS  
BY YEAR AND BENCH**

F8805





Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F8805 - Diluted 10% with material grading 0% Pb+Zn, 95% Mining Recovery  
 Geology Composites, Dilution Density = 2.5 mt/bcy

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density at/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt	Metal
3950	71	2.05	146	4.01	1.24	2.77	10.0	0.00	6
3910	35	2.07	73	4.01	1.47	3.34	21.5	0.10	4
3090	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3070	2,292	2.24	5,141	5.03	2.10	2.85	44.2	0.07	250
3050	2,543	2.24	5,706	6.00	2.50	3.50	55.5	0.36	342
3030	2,499	2.17	5,424	4.73	1.81	2.92	30.4	0.59	256
3010	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3790	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3770	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3750	220	2.05	627	9.90	3.74	6.25	53.0	0.30	63
3730	467	2.31	1,076	6.12	2.20	3.04	30.1	0.20	66
3710	3,000	2.30	7,116	4.96	1.85	3.11	30.3	0.20	353
3690	253	2.40	627	5.35	1.90	3.45	31.0	0.27	34
3670	214	2.15	460	5.59	1.64	3.95	26.5	0.14	26
3650	71	2.05	146	5.04	2.50	3.35	32.0	0.17	9
3630	362	2.40	899	4.55	1.35	3.21	12.3	0.00	41
3610	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3590	12,792	3.06	39,146	10.27	4.35	5.92	63.7	0.01	4,021
3570	83,655	2.92	244,091	10.33	4.54	5.79	61.9	0.20	25,200
3550	129,320	2.04	367,300	9.55	4.39	5.16	57.7	0.16	35,102
3530	181,137	2.05	516,711	8.75	4.05	4.70	60.0	0.15	45,109
3510	221,000	2.01	622,235	8.62	3.69	4.93	54.0	0.10	53,625
3490	301,503	2.76	831,663	9.20	3.00	5.40	40.3	0.06	76,513
3470	310,604	2.01	894,447	9.41	4.00	5.41	49.0	0.06	84,159
3450	291,062	2.04	827,974	8.10	3.36	4.73	43.1	0.06	66,991
3430	17,477	3.03	52,900	0.22	3.32	4.09	36.9	0.07	4,343
3410	51,016	3.07	150,924	6.67	2.63	4.05	26.7	0.06	10,605
3390	20,039	2.99	59,903	5.79	2.41	3.39	24.5	0.07	3,479
3370	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3350	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3330	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3310	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
Total	1,641,495	2.03	4,642,904	8.05	3.79	5.06	50.09	0.09	410,692

Blasthole Calculation

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density at/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal
3950	0	0.00	0	0.00				0
3910	0	0.00	0	0.00				0
3090	0	0.00	0	0.00				0
3070	0	0.00	0	0.00				0
3050	0	0.00	0	0.00				0
3030	0	0.00	0	0.00				0
3010	0	0.00	0	0.00				0
3790	0	0.00	0	0.00				0
3770	0	0.00	0	0.00				0
3750	0	0.00	0	0.00				0
3730	0	0.00	0	0.00				0
3710	0	0.00	0	0.00				0
3690	0	0.00	0	0.00				0
3670	0	0.00	0	0.00				0
3650	0	0.00	0	0.00				0
3630	0	0.00	0	0.00				0
3610	0	0.00	0	0.00				0
3590	7,969	3.00	23,906	9.53	5.10	4.43	74.0	2,270
3570	105,044	3.00	315,132	8.45	3.07	4.50	50.0	26,629
3550	149,373	3.00	448,110	0.50	4.09	4.49	62.1	30,449
3530	149,000	3.00	447,024	9.30	4.26	5.04	57.6	41,573
3510	200,414	3.00	625,242	8.99	3.06	5.13	50.1	56,209
3490	200,137	3.00	604,411	9.55	3.99	5.56	52.3	82,551
3470	299,160	3.00	897,481	9.25	3.06	5.39	55.1	83,017
3450	241,260	3.00	723,005	0.62	3.65	4.97	45.0	62,392
3430	0	0.00	0	0.00				0
3410	50,934	3.00	152,001	6.40	2.60	3.00	23.0	9,779
3390	27,112	3.00	81,336	6.65	2.62	4.03	24.0	5,409
3370	0	0.00	0	0.00				0
3350	0	0.00	0	0.00				0
3330	0	0.00	0	0.00				0
3310	0	0.00	0	0.00				0
Total	1,526,419	3.00	4,579,256	8.92	3.06	5.06	53.0	400,206

%VARIANCE (Blasthole-diluted model)/blasthole \*100

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density at/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal
3950	0	0.00	0	0.00				0
3910	0	0.00	0	0.00				0
3090	0	0.00	0	0.00				0
3070	0	0.00	0	0.00				0
3050	0	0.00	0	0.00				0
3030	0	0.00	0	0.00				0
3010	0	0.00	0	0.00				0
3790	0	0.00	0	0.00				0
3770	0	0.00	0	0.00				0
3750	0	0.00	0	0.00				0
3730	0	0.00	0	0.00				0
3710	0	0.00	0	0.00				0
3690	0	0.00	0	0.00				0
3670	0	0.00	0	0.00				0
3650	0	0.00	0	0.00				0
3630	0	0.00	0	0.00				0
3610	0	0.00	0	0.00				0
3590	-60.5	-2.0	-63.7	-7.0	14.6	-33.6	13.9	-76.5
3570	20.4	2.7	22.5	-22.2	-17.2	-26.4	-5.3	5.3
3550	13.4	5.3	10.0	-11.4	-7.4	-15.0	7.1	0.7
3530	-21.6	4.9	-15.6	6.0	5.0	6.7	-4.2	-0.7
3510	-6.4	6.5	0.5	4.1	4.4	4.0	7.0	4.6
3490	-4.7	0.1	3.0	3.7	4.0	2.9	7.0	7.3
3470	-6.5	6.4	0.3	-1.7	-3.6	-0.4	9.6	-1.4
3450	-20.6	5.2	-14.4	6.0	7.0	4.9	4.2	-7.4
3430	0	0.00	0	0.00				0
3410	-1.7	-2.2	-4.0	-4.3	-1.0	-6.5	-16.3	-0.4
3390	26.1	0.2	26.3	12.9	0.0	15.9	-1.9	35.7
3370	0	0.00	0	0.00				0
3350	0	0.00	0	0.00				0
3330	0	0.00	0	0.00				0
3310	0	0.00	0	0.00				0
Total	-7.5	5.7	-1.4	0.0	1.7	0.1	5.6	-0.6

Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F0805 - Diluted 10% with material grading 8% Pb+Zn, 95% Mining Recovery  
 Geology Composites, Dilution Density = 2.5 mt/bcy

Period: January 1 1980 to December 31 1980

%Pb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3910	35	2.07	73	4.01	1.47	3.34	21.5	0.10	4
3090	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3070	1,539	2.22	3,417	5.56	2.43	3.13	50.5	0.03	190
3050	2,115	2.26	4,706	6.39	2.56	3.03	50.3	0.42	306
3030	707	2.23	1,756	5.81	2.20	3.53	49.2	0.45	102
3010	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3790	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3770	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3750	220	2.05	627	9.90	3.74	6.25	53.0	0.30	63
3730	467	2.31	1,076	6.12	2.20	3.04	30.1	0.20	66
3710	2,510	2.35	5,925	5.12	1.97	3.15	31.6	0.20	303
3690	253	2.40	627	5.35	1.90	3.45	31.0	0.27	34
3670	214	2.15	460	5.59	1.64	3.95	26.5	0.14	26
3650	71	2.05	146	5.04	2.50	3.35	32.0	0.17	9
3630	145	2.46	355	4.79	1.30	3.41	13.2	0.00	17
3610	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3590	12,792	3.06	39,146	10.27	4.35	5.92	63.7	0.01	4,021
3570	01,525	2.94	239,754	10.45	4.60	5.05	62.6	0.20	25,043
3550	126,360	2.05	360,100	9.66	4.45	5.22	50.3	0.16	34,006
3530	179,515	2.06	512,034	0.70	4.06	4.72	60.3	0.15	45,036
3510	220,375	2.01	619,027	0.64	3.70	4.95	54.1	0.10	53,510
3490	203,732	2.77	705,265	9.50	3.93	5.57	49.5	0.06	74,600
3470	290,400	2.02	041,406	9.75	4.14	5.60	51.4	0.07	01,930
3450	235,471	2.90	701,260	0.03	3.72	5.10	46.3	0.07	61,039
3430	16,546	3.07	50,029	0.30	3.40	4.90	37.2	0.07	4,260
3410	46,000	3.14	146,770	0.09	2.73	4.16	26.9	0.06	10,114
3390	17,633	3.09	54,413	5.97	2.52	3.45	24.1	0.00	3,250
3370	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3350	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3330	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3310	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
Total	1,527,610	2.06	4,370,221	9.14	3.93	5.21	51.59	0.10	399,536

Blasthole Calculation

Period: January 1 1980 to December 31 1980

%Pb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.0	0
3910	0	0.00	0	0.00	0.00	0.00	0.0	0
3090	0	0.00	0	0.00	0.00	0.00	0.0	0
3070	0	0.00	0	0.00	0.00	0.00	0.0	0
3050	0	0.00	0	0.00	0.00	0.00	0.0	0
3030	0	0.00	0	0.00	0.00	0.00	0.0	0
3010	0	0.00	0	0.00	0.00	0.00	0.0	0
3790	0	0.00	0	0.00	0.00	0.00	0.0	0
3770	0	0.00	0	0.00	0.00	0.00	0.0	0
3750	0	0.00	0	0.00	0.00	0.00	0.0	0
3730	0	0.00	0	0.00	0.00	0.00	0.0	0
3710	0	0.00	0	0.00	0.00	0.00	0.0	0
3690	0	0.00	0	0.00	0.00	0.00	0.0	0
3670	0	0.00	0	0.00	0.00	0.00	0.0	0
3650	0	0.00	0	0.00	0.00	0.00	0.0	0
3630	0	0.00	0	0.00	0.00	0.00	0.0	0
3610	0	0.00	0	0.00	0.00	0.00	0.0	0
3590	7,969	3.00	23,906	9.53	5.10	4.43	74.0	2,270
3570	99,400	3.00	290,464	0.65	3.97	4.60	54.1	25,017
3550	139,061	3.00	417,102	0.07	4.23	4.64	64.0	37,004
3530	145,240	3.00	435,745	9.30	4.30	5.00	50.0	40,073
3510	203,045	3.00	609,134	9.00	3.90	5.10	50.0	55,309
3490	270,347	3.00	011,042	9.05	4.11	5.74	53.5	79,000
3470	265,265	3.00	795,795	9.00	4.09	5.71	57.0	77,900
3450	234,325	3.00	702,975	0.73	3.69	5.04	45.1	61,370
3430	0	0.00	0	0.00	0.00	0.00	0.0	0
3410	44,415	3.00	133,245	6.67	2.70	3.97	22.9	0,007
3390	10,090	3.00	56,670	7.20	2.90	4.30	24.0	4,126
3370	0	0.00	0	0.00	0.00	0.00	0.0	0
3350	0	0.00	0	0.00	0.00	0.00	0.0	0
3330	0	0.00	0	0.00	0.00	0.00	0.0	0
3310	0	0.00	0	0.00	0.00	0.00	0.0	0
Total	1,420,053	3.00	4,204,150	9.19	3.97	5.21	54.0	393,540

%VARIANCE (Blasthole-diluted model)/blasthole \*100

Period: January 1 1980 to December 31 1980

%Pb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.0	0
3910	0	0.00	0	0.00	0.00	0.00	0.0	0
3090	0	0.00	0	0.00	0.00	0.00	0.0	0
3070	0	0.00	0	0.00	0.00	0.00	0.0	0
3050	0	0.00	0	0.00	0.00	0.00	0.0	0
3030	0	0.00	0	0.00	0.00	0.00	0.0	0
3010	0	0.00	0	0.00	0.00	0.00	0.0	0
3790	0	0.00	0	0.00	0.00	0.00	0.0	0
3770	0	0.00	0	0.00	0.00	0.00	0.0	0
3750	0	0.00	0	0.00	0.00	0.00	0.0	0
3730	0	0.00	0	0.00	0.00	0.00	0.0	0
3710	0	0.00	0	0.00	0.00	0.00	0.0	0
3690	0	0.00	0	0.00	0.00	0.00	0.0	0
3670	0	0.00	0	0.00	0.00	0.00	0.0	0
3650	0	0.00	0	0.00	0.00	0.00	0.0	0
3630	0	0.00	0	0.00	0.00	0.00	0.0	0
3610	0	0.00	0	0.00	0.00	0.00	0.0	0
3590	-60.5	-2.0	-63.7	-7.0	14.6	-33.6	13.9	-76.5
3570	10.1	2.0	19.7	-20.0	-15.9	-24.9	-15.0	3.0
3550	9.1	5.0	13.7	-0.9	-5.1	-12.5	9.0	5.9
3530	-23.6	4.0	-17.7	6.4	5.5	7.1	-3.9	-10.2
3510	-0.5	6.4	-1.6	4.9	5.1	4.5	7.9	3.2
3490	-5.0	7.7	3.2	3.6	4.4	2.9	7.3	6.6
3470	-12.5	6.0	-5.7	0.6	-1.1	1.9	11.1	-5.1
3450	-0.5	0.7	0.2	-1.1	-0.0	-1.2	-2.6	-0.0
3430	0	0.00	0	0.00	0.00	0.00	0.0	0
3410	-5.4	-4.5	-10.2	-3.3	-1.0	-4.9	-17.0	-13.0
3390	6.7	-2.9	4.0	10.0	13.2	21.1	-0.4	21.2
3370	0	0.00	0	0.00	0.00	0.00	0.0	0
3350	0	0.00	0	0.00	0.00	0.00	0.0	0
3330	0	0.00	0	0.00	0.00	0.00	0.0	0
3310	0	0.00	0	0.00	0.00	0.00	0.0	0
Total	-7.0	4.6	-2.0	0.5	1.1	-0.0	4.4	-1.5

Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F8805 - Diluted 10% with material grading 8% Pb+Zn, 95% Mining Recovery  
Geology Coasposites, Dilution Density = 2.5 mt/bcy

Period: January 1 1989 to December 31 1989

%Pb+Zn Cutoff = 4%

Bench	Volume Density bcy mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt	Metal
3950	0	0	0.00	0.00	0.00	0.0	0.00	0
3910	0	0	0.00	0.00	0.00	0.0	0.00	0
3890	0	0	0.00	0.00	0.00	0.0	0.00	0
3870	251	554	4.20	1.91	2.36	37.0	0.17	24
3850	2,932	6,479	4.90	2.18	2.71	38.4	0.23	317
3830	142	293	4.33	1.71	2.61	36.6	0.82	13
3810	1,741	3,584	5.05	2.10	2.96	39.1	0.23	181
3790	4,774	9,259	5.18	2.17	3.02	39.2	0.21	481
3770	883	1,693	4.84	1.96	2.87	35.0	0.26	82
3750	144	345	5.92	1.88	4.04	32.0	0.36	20
3730	4,418	11,887	4.71	1.76	2.95	25.0	0.14	522
3710	38,129	79,828	6.73	2.41	4.31	34.2	0.12	5,363
3690	52,875	149,425	9.48	3.60	5.88	49.2	0.16	14,168
3670	59,315	164,964	8.12	2.85	5.26	34.2	0.15	13,392
3650	74,538	205,154	6.58	2.57	4.81	29.2	0.19	13,583
3630	108,983	316,123	8.53	3.32	5.21	43.3	0.23	26,957
3610	158,728	443,885	9.87	3.88	5.27	53.8	0.13	48,272
3590	122,841	350,159	10.25	4.36	5.88	56.5	0.25	35,875
3570	183,792	293,791	9.54	3.89	5.65	47.5	0.25	28,817
3550	81,576	243,663	8.25	3.37	4.88	37.7	0.14	20,113
3530	54,497	162,247	6.96	2.88	4.89	31.5	0.15	11,313
3510	6,724	20,822	7.91	2.89	5.83	24.7	0.19	1,585
3490	898	2,947	9.47	4.40	5.87	49.7	0.88	279
3470	7,791	23,941	7.85	3.83	4.82	33.6	0.85	1,687
3450	33,486	102,556	6.25	2.76	3.49	34.8	0.85	6,414
3430	276,866	856,451	8.18	3.29	4.88	34.7	0.86	69,295
3410	211,353	639,182	7.27	2.84	4.43	27.5	0.88	46,355
3390	186,499	528,838	6.61	2.44	4.17	26.6	0.14	34,423
3370	146,676	412,639	7.26	2.67	4.59	24.3	0.89	29,973
3350	91,482	259,191	6.88	2.34	4.46	28.9	0.85	17,625
3330	31,199	88,413	5.88	1.94	3.85	19.5	0.18	4,657
3310	6,883	13,522	5.79	2.27	3.52	44.6	0.45	783
Total	1,852,648	5,373,233	7.89	3.11	4.78	35.78	0.13	423,689

Blasthole Calculation

Period: January 1 1989 to December 31 1989

%Pb+Zn Cutoff = 4%

Bench	Volume Density bcy mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal
3950	0	0	0.00				0
3910	0	0	0.00				0
3890	0	0	0.00	0.00			0
3870	0	0	0.00	0.00			0
3850	0	0	0.00	0.00			0
3830	0	0	0.00	0.00			0
3810	1,185	3,556	7.35	3.36	3.99	58.0	261
3790	6,443	19,328	8.58	3.79	4.79	58.4	1,658
3770	3,919	11,756	9.32	3.61	5.71	73.8	1,896
3750	0	0	0.00				0
3730	0	0	0.00				0
3710	11,372	34,117	9.93	3.34	6.59	55.9	3,388
3690	36,819	108,856	6.92	2.92	4.88	41.1	7,477
3670	48,389	145,167	8.28	3.29	4.91	58.8	11,984
3650	63,867	191,682	8.18	3.22	4.96	33.4	15,673
3630	183,843	511,538	7.25	2.75	4.58	34.1	22,586
3610	129,192	387,577	8.38	3.31	5.87	45.8	32,479
3590	142,539	427,616	7.89	3.18	4.71	48.7	33,739
3570	183,886	589,817	7.64	3.86	4.58	44.9	23,689
3550	75,843	227,528	6.97	2.89	4.88	36.1	15,859
3530	61,471	184,413	7.13	2.83	4.38	38.8	13,149
3510	13,327	39,988	7.29	2.69	4.68	24.6	2,915
3490	0	0	0.00				0
3470	0	0	0.00				0
3450	28,174	88,522	5.73	2.39	3.34	23.2	3,468
3430	232,848	696,119	7.87	2.87	4.28	35.5	49,216
3410	228,932	686,797	7.23	2.85	4.38	29.6	49,655
3390	155,888	467,665	7.83	2.68	4.43	32.7	32,877
3370	147,226	441,679	7.29	2.57	4.72	28.5	32,198
3350	79,195	237,584	6.67	2.31	4.36	18.8	15,847
3330	24,748	74,245	6.65	2.16	4.49	19.6	4,937
3310	0	0	0.00				0
Total	1,688,618	5,865,854	7.38	2.87	4.51	35.8	373,998

%VARIANCE (Blasthole-diluted model)/blasthole \*100

Period: January 1 1989 to December 31 1989

%Pb+Zn Cutoff = 4%

Bench	Volume Density bcy mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal	
3950								
3910								
3890								
3870								
3850								
3830								
3810	-46.9	31.4	-8.8	31.2	37.5	25.7	21.8	38.6
3790	25.9	35.3	52.1	39.6	42.7	37.8	22.3	71.8
3770	77.5	36.1	85.6	48.1	45.6	49.7	52.1	92.5
3750								
3730								
3710	-164.9	11.7	-134.8	32.3	27.9	34.6	38.8	-58.3
3690	-44.6	4.4	-38.3	-37.8	-23.3	-47.8	-19.5	-89.5
3670	-22.6	7.3	-13.6	1.8	13.2	-7.2	32.8	-12.5
3650	-16.7	8.3	-7.1	19.5	28.1	19.2	12.6	13.8
3630	-4.9	3.2	-1.5	-17.6	-28.7	-15.8	-26.8	-19.4
3610	-16.7	1.8	-14.5	-8.3	-14.8	-4.8	-15.7	-24.8
3590	13.8	5.8	18.1	-38.8	-37.2	-24.9	-16.1	-6.3
3570	-8.8	5.6	4.9	-24.8	-27.2	-23.3	-5.8	-18.7
3550	-7.6	8.4	-7.1	-18.4	-16.7	-19.7	-4.6	-26.8
3530	11.3	8.8	12.8	2.3	-1.8	4.9	17.2	14.8
3510	49.5	8.7	49.9	-8.5	-7.5	-9.3	-8.4	45.6
3490								
3470								
3450	-66.8	-2.1	-69.5	-9.8	-15.6	-4.5	-58.3	-85.8
3430	-19.3	-3.1	-23.8	-14.6	-14.7	-14.3	2.1	-48.8
3410	7.7	-8.7	7.1	-8.6	8.5	-1.1	7.3	6.6
3390	-19.6	6.9	-11.4	6.8	6.3	5.8	18.5	-4.7
3370	8.4	6.2	6.6	8.4	-4.8	2.7	14.9	6.9
3350	-15.4	5.5	-9.1	-1.9	-1.1	-2.4	-16.8	-11.2
3330	-26.1	14.1	-8.3	12.8	18.4	14.2	8.8	5.7
3310								
Total	-9.7	3.3	-6.1	-6.8	-8.3	-5.8	8.3	-13.3







F8908





Faro Computer Model Ore Predictions vs Actual Blasthole Results By Bench

F8908 - Undiluted  
- 95% Mining Recovery

Period: January 1 1988 to December 31 1988

ZPb+Zn Cutoff = 4%

Blasthole Calculation

Period: January 1 1988 to December 31 1988

ZPb+Zn Cutoff = 4%

ZVARIANCE (Blasthole-diluted model)/blasthole \*100

Period: January 1 1988 to December 31 1988

ZPb+Zn Cutoff = 4%

Bench	Volume	Density	Tonnes	ZPb+Zn	ZPb	Zn	Ag	g/mt	Au	g/mt	Metal	Bench	Volume	Density	Tonnes	ZPb+Zn	ZPb	Zn	Ag	g/mt	Metal	Bench	Volume	Density	Tonnes	ZPb+Zn	ZPb	Zn	Ag	g/mt	Metal	
	bcy	mt/bcy											bcy	mt/bcy									bcy	mt/bcy								
3950	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3950	0	0.00	0	0.00						3950	0	0.00	0	0.00						
3910	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3910	0	0.00	0	0.00						3910	0	0.00	0	0.00						
3890	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3890	0	0.00	0	0.00						3890	0	0.00	0	0.00						
3870	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3870	0	0.00	0	0.00						3870	0	0.00	0	0.00						
3850	2,395	2.30	5,691	5.12	1.04	3.20	32.0	0.14	291			3850	0	0.00	0	0.00						3850	0	0.00	0	0.00						
3830	902	2.20	2,052	4.60	1.67	2.93	31.0	0.30	94			3830	0	0.00	0	0.00						3830	0	0.00	0	0.00						
3810	124	2.45	304	4.04	1.75	3.09	34.0	0.16	15			3810	0	0.00	0	0.00						3810	0	0.00	0	0.00						
3790	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3790	0	0.00	0	0.00						3790	0	0.00	0	0.00						
3770	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3770	0	0.00	0	0.00						3770	0	0.00	0	0.00						
3750	31	2.46	76	5.65	1.02	3.03	36.6	0.22	4			3750	0	0.00	0	0.00						3750	0	0.00	0	0.00						
3730	373	2.37	804	5.00	2.05	3.75	37.2	0.07	51			3730	0	0.00	0	0.00						3730	0	0.00	0	0.00						
3710	2,612	2.50	6,527	5.34	1.96	3.37	29.6	0.17	340			3710	0	0.00	0	0.00						3710	0	0.00	0	0.00						
3690	217	2.62	570	5.90	2.09	3.01	30.0	0.12	34			3690	0	0.00	0	0.00						3690	0	0.00	0	0.00						
3670	106	2.24	410	5.02	1.91	3.91	29.4	0.17	24			3670	0	0.00	0	0.00						3670	0	0.00	0	0.00						
3650	62	2.15	133	6.04	2.62	3.42	35.0	0.22	0			3650	0	0.00	0	0.00						3650	0	0.00	0	0.00						
3630	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3630	0	0.00	0	0.00						3630	0	0.00	0	0.00						
3610	106	2.65	494	4.61	1.27	3.35	10.2	0.01	23			3610	0	0.00	0	0.00						3610	0	0.00	0	0.00						
3590	6,313	2.99	18,096	6.26	2.19	4.07	34.2	0.03	1,103			3590	7,969	3.00	23,906	9.53	5.10	4.43	74.0	2,270	3590	20.8	0.2	21.0	34.3	57.1	0.1	53.8	40.1			
3570	01,792	2.90	243,065	0.70	3.69	5.09	49.6	0.10	21,411			3570	105,044	3.00	315,132	0.45	3.07	4.50	50.0	26,629	3570	22.1	0.6	22.6	-3.9	4.7	-11.1	15.7	19.6			
3550	120,697	3.04	367,099	0.19	3.55	4.64	55.2	0.07	30,065			3550	149,373	3.00	440,110	0.50	4.09	4.49	62.1	30,449	3550	19.2	-1.4	10.1	4.5	13.2	-3.3	11.1	21.0			
3530	169,360	3.05	516,943	0.24	3.61	4.63	60.0	0.09	42,596			3530	149,000	3.00	447,024	9.30	4.26	5.04	57.6	41,573	3530	-13.7	-1.7	-15.6	11.4	15.3	0.1	-5.6	-2.5			
3510	210,070	2.99	620,625	0.14	3.50	4.64	52.4	0.06	51,170			3510	200,414	3.00	625,242	0.99	3.06	5.13	50.1	56,209	3510	-0.0	0.3	-0.5	9.5	9.3	9.6	9.0	9.0			
3490	255,017	3.01	760,531	0.04	3.60	5.16	40.0	0.04	67,930			3490	200,137	3.00	604,411	9.55	3.99	5.56	52.3	02,551	3490	11.5	-0.5	11.1	7.4	7.0	7.2	0.3	17.7			
3470	311,617	3.07	957,900	9.55	4.02	5.53	44.0	0.03	91,407			3470	299,160	3.00	097,401	9.25	3.06	5.39	55.1	03,017	3470	-4.2	-2.5	-6.7	-3.2	-4.1	-2.6	10.7	-10.2			
3450	277,191	3.00	053,201	0.53	3.60	4.93	42.0	0.03	72,705			3450	241,260	3.00	723,005	0.62	3.65	4.97	45.0	62,392	3450	-14.9	-2.6	-17.9	1.0	1.4	0.0	4.0	-16.7			
3430	15,269	3.10	48,503	0.12	3.20	4.04	39.3	0.21	3,945			3430	0	0.00	0	0.00						3430	0	0.00	0	0.00						
3410	45,406	3.34	151,460	6.25	2.53	3.72	26.7	0.03	9,467			3410	50,934	3.00	152,001	6.40	2.60	3.00	23.0	9,779	3410	10.9	-11.2	0.9	2.3	2.7	2.1	-16.2	3.2			
3390	10,753	3.25	60,962	6.73	2.72	4.02	25.9	0.03	4,109			3390	27,112	3.00	81,336	6.65	2.62	4.03	24.0	5,400	3390	30.0	-0.4	25.0	-1.2	-3.0	0.2	-7.9	24.0			
3370	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3370	0	0.00	0	0.00						3370	0	0.00	0	0.00						
3350	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3350	0	0.00	0	0.00						3350	0	0.00	0	0.00						
3330	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3330	0	0.00	0	0.00						3330	0	0.00	0	0.00						
3310	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0			3310	0	0.00	0	0.00						3310	0	0.00	0	0.00						
Total	1,510,591	3.05	4,633,370	0.57	3.63	4.94	47.06	0.05	397,049			Total	1,526,419	3.00	4,579,256	0.92	3.06	5.06	53.0	400,206	Total	0.5	-1.7	-1.2	3.9	6.0	2.3	9.0	2.0			

Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

FB988 - Undiluted, Uncut, Bench Composite Reserves  
- 95% Mining Recovery

Period: January 1 1988 to December 31 1988

ZPb+Zn Cutoff = 5%

Bench	Volume Density bcy mt/bcy	Tonnes	ZPb+Zn	ZPb	ZZn	Ag g/mt	Au g/mt	Metal
3958	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3918	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3898	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3878	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3858	1,386 2.41	3,145	5.54	1.99	3.55	34.2	0.12	174
3838	288 2.41	675	5.44	1.93	3.53	34.4	0.16	37
3818	31 2.46	76	5.21	2.01	3.19	42.4	0.25	4
3798	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3778	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3758	31 2.46	76	5.65	1.82	3.83	36.6	0.22	4
3738	342 2.28	779	5.95	2.84	3.91	36.8	0.86	46
3718	2,239 2.54	5,681	5.45	2.83	3.42	38.2	0.17	318
3698	217 2.62	578	5.98	2.89	3.81	38.8	0.12	34
3678	186 2.24	418	5.82	1.91	3.91	29.4	0.17	24
3658	62 2.15	133	6.84	2.62	3.42	35.8	0.22	8
3638	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3618	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3598	4,261 3.84	12,968	6.98	2.48	4.42	38.1	0.83	895
3578	79,188 2.99	236,978	8.98	3.74	5.15	58.2	0.18	21,867
3558	128,448 3.84	366,328	8.19	3.55	4.64	55.3	0.87	38,882
3538	161,984 3.84	492,589	8.42	3.69	4.73	62.6	0.89	41,469
3518	169,493 2.95	588,413	9.89	3.86	5.23	58.3	0.87	45,487
3498	212,668 3.85	648,423	9.66	4.81	5.65	51.7	0.85	62,638
3478	287,359 3.88	884,517	9.96	4.19	5.78	46.3	0.83	88,186
3458	199,225 3.28	636,888	9.91	4.17	5.74	48.7	0.83	63,115
3438	12,968 3.28	42,484	8.65	3.51	5.14	48.9	0.22	3,675
3418	37,258 3.48	126,673	6.55	2.67	3.89	26.8	0.84	8,318
3398	18,388 3.25	59,668	6.77	2.72	4.85	25.9	0.83	4,839
3378	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3358	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3338	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3318	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
<b>Total</b>	<b>1,387,829 3.87</b>	<b>4,819,374</b>	<b>9.19</b>	<b>3.88</b>	<b>5.31</b>	<b>51.85</b>	<b>0.85</b>	<b>369,524</b>

Blasthole Calculation

Period: January 1 1988 to December 31 1988

ZPb+Zn Cutoff = 5%

Bench	Volume Density bcy mt/bcy	Tonnes	ZPb+Zn	ZPb	ZZn	Ag g/mt	Metal
3958	0 0.00	0	0.00	0.00	0.00	0.0	0
3918	0 0.00	0	0.00	0.00	0.00	0.0	0
3898	0 0.00	0	0.00	0.00	0.00	0.0	0
3878	0 0.00	0	0.00	0.00	0.00	0.0	0
3858	0 0.00	0	0.00	0.00	0.00	0.0	0
3838	0 0.00	0	0.00	0.00	0.00	0.0	0
3818	0 0.00	0	0.00	0.00	0.00	0.0	0
3798	0 0.00	0	0.00	0.00	0.00	0.0	0
3778	0 0.00	0	0.00	0.00	0.00	0.0	0
3758	0 0.00	0	0.00	0.00	0.00	0.0	0
3738	0 0.00	0	0.00	0.00	0.00	0.0	0
3718	0 0.00	0	0.00	0.00	0.00	0.0	0
3698	0 0.00	0	0.00	0.00	0.00	0.0	0
3678	0 0.00	0	0.00	0.00	0.00	0.0	0
3658	0 0.00	0	0.00	0.00	0.00	0.0	0
3638	0 0.00	0	0.00	0.00	0.00	0.0	0
3618	0 0.00	0	0.00	0.00	0.00	0.0	0
3598	7,969 3.88	23,986	9.53	5.18	4.43	74.8	2,278
3578	99,488 3.88	298,464	8.65	3.97	4.68	54.1	25,817
3558	139,861 3.88	417,182	8.87	4.23	4.64	64.8	37,884
3538	145,248 3.88	435,745	9.38	4.38	5.88	58.8	48,873
3518	283,845 3.88	889,134	9.88	3.98	5.18	58.8	55,389
3498	278,347 3.88	811,842	9.85	4.11	5.74	53.5	79,888
3478	265,265 3.88	795,795	9.88	4.89	5.71	57.8	77,988
3458	234,325 3.88	782,975	8.73	3.69	5.84	45.1	61,378
3438	0 0.00	0	0.00	0.00	0.00	0.0	0
3418	44,415 3.88	133,245	6.67	2.78	3.97	22.9	8,887
3398	18,898 3.88	56,678	7.28	2.98	4.38	24.8	4,126
3378	0 0.00	0	0.00	0.00	0.00	0.0	0
3358	0 0.00	0	0.00	0.00	0.00	0.0	0
3338	0 0.00	0	0.00	0.00	0.00	0.0	0
3318	0 0.00	0	0.00	0.00	0.00	0.0	0
<b>Total</b>	<b>1,428,853 3.88</b>	<b>4,284,158</b>	<b>9.19</b>	<b>3.97</b>	<b>5.21</b>	<b>54.8</b>	<b>393,548</b>

ZVARIANCE (Blasthole-diluted model)/blasthole #108

Period: January 1 1988 to December 31 1988

ZPb+Zn Cutoff = 5%

Bench	Volume Density bcy mt/bcy	Tonnes	ZPb+Zn	ZPb	ZZn	Ag g/mt	Metal
3958	0 0.00	0	0.00	0.00	0.00	0.0	0
3918	0 0.00	0	0.00	0.00	0.00	0.0	0
3898	0 0.00	0	0.00	0.00	0.00	0.0	0
3878	0 0.00	0	0.00	0.00	0.00	0.0	0
3858	0 0.00	0	0.00	0.00	0.00	0.0	0
3838	0 0.00	0	0.00	0.00	0.00	0.0	0
3818	0 0.00	0	0.00	0.00	0.00	0.0	0
3798	0 0.00	0	0.00	0.00	0.00	0.0	0
3778	0 0.00	0	0.00	0.00	0.00	0.0	0
3758	0 0.00	0	0.00	0.00	0.00	0.0	0
3738	0 0.00	0	0.00	0.00	0.00	0.0	0
3718	0 0.00	0	0.00	0.00	0.00	0.0	0
3698	0 0.00	0	0.00	0.00	0.00	0.0	0
3678	0 0.00	0	0.00	0.00	0.00	0.0	0
3658	0 0.00	0	0.00	0.00	0.00	0.0	0
3638	0 0.00	0	0.00	0.00	0.00	0.0	0
3618	0 0.00	0	0.00	0.00	0.00	0.0	0
3598	46.5 -1.5	45.8	27.6	51.4	8.2	48.5	68.7
3578	28.4 8.2	28.6	-2.9	5.8	-18.8	7.2	18.4
3558	13.4 -1.4	12.2	7.7	16.1	8.8	13.6	18.9
3538	-11.5 -1.4	-13.8	18.2	14.2	6.9	-7.9	-1.5
3518	16.5 1.6	17.8	-8.1	1.8	-1.8	8.8	17.8
3498	21.3 -1.6	28.1	1.9	2.4	1.6	3.3	21.6
3478	-8.3 -2.6	-11.1	-1.6	-2.4	-1.2	19.9	-13.1
3458	15.8 -6.6	9.4	-13.5	-13.8	-13.9	-8.8	-2.8
3438	0 0.00	0	0.00	0.00	0.00	0.0	0
3418	16.1 -13.3	4.9	1.8	1.1	2.8	-17.3	6.5
3398	2.7 -8.2	-5.3	7.8	6.2	7.5	-7.9	2.1
3378	0 0.00	0	0.00	0.00	0.00	0.0	0
3358	0 0.00	0	0.00	0.00	0.00	0.0	0
3338	0 0.00	0	0.00	0.00	0.00	0.0	0
3318	0 0.00	0	0.00	0.00	0.00	0.0	0
<b>Total</b>	<b>8.4 -2.4</b>	<b>6.2</b>	<b>-8.1</b>	<b>2.3</b>	<b>-1.9</b>	<b>5.4</b>	<b>6.1</b>

Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F8900 - Undiluted, Uncut, Bench Composite Reserves  
- 95% Mining Recovery

Period: January 1 1989 to December 31 1989

ZPb+Zn Cutoff = 4%

Bench	Volume Density bcy mt/bcy	Tonnes	ZPb+Zn	ZPb	ZZn	Ag g/mt	Au g/mt	Metal
3950	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3910	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3890	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3870	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3850	2,332 2.34	5,453	4.70	1.69	3.01	29.7	0.10	256
3830	186 2.24	410	4.34	1.85	2.49	34.7	0.24	18
3810	3,670 2.31	8,493	5.57	2.59	2.99	51.0	0.31	474
3790	6,033 2.30	13,070	5.41	2.31	3.10	46.6	0.27	750
3770	591 2.35	1,307	5.36	2.80	3.29	42.0	0.30	74
3750	93 2.34	219	5.65	1.82	3.03	36.6	0.22	12
3730	1,120 2.60	3,002	5.33	1.93	3.40	28.9	0.17	160
3710	22,703 2.03	64,306	6.10	2.37	3.01	35.7	0.14	3,974
3690	51,595 2.93	150,090	7.00	2.95	4.93	41.5	0.12	11,091
3670	61,320 2.03	173,755	6.06	2.43	4.43	31.5	0.12	11,920
3650	55,077 2.94	161,966	7.00	2.79	4.22	31.5	0.15	11,354
3630	101,449 2.96	300,267	6.05	2.79	4.06	36.3	0.17	20,560
3610	132,795 3.06	406,733	0.27	3.46	4.01	47.9	0.12	33,637
3590	119,921 2.96	355,272	0.82	3.76	5.06	49.6	0.19	31,335
3570	96,090 2.95	283,727	0.75	3.55	5.21	49.2	0.30	24,054
3550	72,600 3.10	231,202	7.93	3.25	4.60	30.5	0.16	18,334
3530	45,313 3.14	142,472	7.52	3.10	4.42	30.7	0.16	10,714
3510	5,660 3.24	18,354	0.56	3.06	5.51	25.2	0.10	1,573
3490	746 3.44	2,565	10.51	4.90	5.54	68.0	0.00	270
3470	7,060 3.31	26,040	7.31	3.17	4.13	37.3	0.01	1,901
3450	30,695 3.30	103,073	6.41	2.99	3.42	34.5	0.02	6,650
3430	232,563 3.31	769,652	0.00	3.36	4.64	35.1	0.07	61,572
3410	223,401 3.10	709,903	7.21	2.79	4.42	28.0	0.03	51,190
3390	176,503 2.99	520,039	6.45	2.41	4.04	28.1	0.06	34,050
3370	113,024 3.11	353,704	7.04	2.69	4.35	24.7	0.03	24,901
3350	70,962 2.97	234,669	7.50	2.67	4.03	24.0	0.02	17,600
3330	30,400 2.51	96,492	5.50	1.09	3.70	25.1	0.06	5,394
3310	5,030 2.43	12,217	6.50	2.60	3.09	52.0	0.33	793

Total 1,606,813 3.06 5,159,823 7.49 2.99 4.50 35.17 0.10 306,236

Blasthole Calculation

Period: January 1 1989 to December 31 1989

ZPb+Zn Cutoff = 4%

Bench	Volume Density bcy mt/bcy	Tonnes	ZPb+Zn	ZPb	ZZn	Ag g/mt	Metal
3950	0 0.00	0	0.00	0.00	0.00	0.0	0
3910	0 0.00	0	0.00	0.00	0.00	0.0	0
3890	0 0.00	0	0.00	0.00	0.00	0.0	0
3870	0 0.00	0	0.00	0.00	0.00	0.0	0
3850	0 0.00	0	0.00	0.00	0.00	0.0	0
3830	0 0.00	0	0.00	0.00	0.00	0.0	0
3810	1,185 3.00	3,556	7.35	3.36	3.99	50.0	261
3790	6,443 3.00	19,320	0.50	3.79	4.79	50.4	1,650
3770	3,919 3.00	11,756	9.32	3.61	5.71	73.0	1,096
3750	0 0.00	0	0.00	0.00	0.00	0.0	0
3730	0 0.00	0	0.00	0.00	0.00	0.0	0
3710	11,372 3.00	34,117	9.93	3.34	6.59	55.9	3,300
3690	36,019 3.00	108,056	6.92	2.92	4.00	41.1	7,477
3670	40,309 3.00	145,167	0.20	3.29	4.91	50.0	11,904
3650	63,067 3.00	191,602	0.10	3.22	4.96	33.4	15,673
3630	103,043 3.00	311,530	7.25	2.75	4.50	34.1	22,506
3610	129,192 3.00	387,577	0.30	3.31	5.07	45.0	32,479
3590	142,539 3.00	427,616	7.09	3.10	4.71	40.7	33,739
3570	103,006 3.00	309,017	7.64	3.06	4.50	44.9	23,609
3550	75,043 3.00	227,520	6.97	2.09	4.00	36.1	15,059
3530	61,471 3.00	184,413	7.13	2.03	4.30	30.0	13,149
3510	13,327 3.00	39,980	7.29	2.69	4.60	24.6	2,915
3490	0 0.00	0	0.00	0.00	0.00	0.0	0
3470	0 0.00	0	0.00	0.00	0.00	0.0	0
3450	20,174 3.00	60,522	5.73	2.39	3.34	23.2	3,460
3430	232,040 3.00	696,119	7.07	2.07	4.20	35.5	49,216
3410	220,932 3.00	662,797	7.23	2.05	4.30	29.6	49,655
3390	155,000 3.00	467,665	7.03	2.60	4.43	32.7	32,077
3370	147,226 3.00	441,679	7.29	2.57	4.72	20.5	32,190
3350	79,195 3.00	237,504	6.67	2.31	4.36	10.0	15,047
3330	24,740 3.00	74,245	6.65	2.16	4.49	19.6	4,937
3310	0 0.00	0	0.00	0.00	0.00	0.0	0

Total 1,600,610 3.00 5,065,054 7.30 2.07 4.51 35.0 373,990

ZVARIANCE (Blasthole-diluted model)/blasthole #100

Period: January 1 1989 to December 31 1989

ZPb+Zn Cutoff = 4%

Bench	Volume Density bcy mt/bcy	Tonnes	ZPb+Zn	ZPb	ZZn	Ag g/mt	Metal
3950							
3910							
3890							
3870							
3850							
3830							
3810	-209.6 22.9	-130.8	24.2	22.9	25.1	-2.0	-01.3
3790	6.4 23.4	20.2	36.9	39.1	35.3	7.6	54.0
3770	04.9 21.7	00.2	42.5	42.4	42.4	42.5	93.2
3750							
3730							
3710	-99.6 5.6	-00.5	37.0	29.0	42.2	36.1	-17.3
3690	-43.2 2.5	-39.6	-13.9	-1.0	-23.2	-0.9	-59.0
3670	-26.7 5.6	-19.7	16.3	26.1	9.0	30.0	-0.1
3650	13.0 2.0	15.5	14.4	13.4	14.9	5.6	27.6
3630	2.3 1.3	3.6	5.5	-1.5	9.0	-6.4	0.9
3610	-2.0 -2.1	-4.9	1.3	-4.5	5.1	-4.6	-3.6
3590	15.9 1.2	16.9	-11.0	-10.2	-7.4	-1.0	7.1
3570	6.7 1.6	0.2	-14.5	-16.0	-13.0	-9.7	-5.3
3550	4.2 -6.0	-1.6	-13.0	-12.5	-14.7	-6.7	-15.6
3530	26.3 -4.0	22.7	-5.5	-9.5	-2.0	-1.0	10.5
3510	57.5 -0.1	54.1	-17.4	-13.0	-19.0	-2.4	46.0
3490							
3470							
3450	-52.1 -12.0	-71.6	-11.9	-25.1	-2.4	-49.0	-92.0
3430	-0.2 -10.3	-10.6	-13.2	-17.1	-10.5	1.0	-25.1
3410	2.4 -5.9	-3.4	0.3	2.1	-0.9	5.5	-3.1
3390	-13.3 0.3	-12.9	0.3	7.3	0.0	14.0	-3.6
3370	22.7 -3.6	19.9	3.4	-4.7	7.0	13.4	22.7
3350	0.3 0.9	1.2	-12.4	-15.6	-10.0	-37.5	-11.1
3330	-55.2 16.3	-30.0	16.1	12.5	17.6	-20.4	-9.2
3310							

Total 0.1 -1.9 -1.0 -1.4 -4.1 0.3 1.0 -3.3







## CURRAGH RESOURCES INC. - F8988 INTERPRETATION

## Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F8988 - Undiluted, Uncut, Bench Composite Reserves  
- 95% Mining Recovery

Period: Remaining as of January 1, 1998

XPb+Zn Cutoff = 4%

Bench	Volume bcy	Density mt/bcy	Tonnes	XPb+Zn	XPb	XZn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3910	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3890	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3870	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3850	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3830	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3810	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3790	311	3.21	998	9.98	3.52	6.37	42.1	0.12	99
3770	964	3.41	3,287	0.46	3.10	5.36	35.2	0.37	278
3750	3,048	2.74	8,368	5.28	1.94	3.34	33.4	0.18	441
3730	1,431	2.98	4,152	4.93	2.18	2.83	39.7	0.09	285
3710	18,294	3.11	31,968	5.27	2.68	2.59	58.1	0.28	1,685
3690	18,668	3.25	60,544	5.83	2.33	3.58	34.1	0.17	3,530
3670	28,954	2.96	85,789	6.88	2.32	3.77	25.4	0.15	5,220
3650	84,683	2.72	230,788	6.66	2.37	4.29	21.9	0.11	15,365
3630	186,338	2.79	296,467	6.38	2.14	4.24	21.6	0.10	18,915
3610	118,459	2.86	338,488	6.48	2.15	4.26	22.8	0.12	21,691
3590	128,254	2.85	365,798	6.38	2.33	4.85	26.5	0.16	23,338
3570	284,636	2.91	595,242	6.71	2.54	4.16	27.8	0.13	39,881
3550	222,331	3.03	673,256	6.18	2.28	3.82	27.7	0.18	41,869
3530	243,843	2.99	727,491	7.87	2.74	4.33	35.8	0.11	51,434
3510	336,893	3.05	1,026,285	7.19	2.73	4.46	31.3	0.87	73,798
3490	377,868	3.11	1,175,321	7.88	2.69	4.39	31.4	0.88	83,213
3470	392,477	3.87	1,285,488	8.48	3.14	5.26	33.3	0.87	181,254
3450	384,318	3.12	949,248	7.98	2.75	5.15	32.4	0.88	74,998
3430	219,811	3.18	698,986	7.25	2.56	4.69	26.7	0.86	58,671
3410	187,833	3.88	575,187	6.68	2.41	4.27	24.6	0.86	38,422
3390	135,159	3.87	414,922	7.87	2.48	4.67	21.2	0.85	29,335
3370	112,954	2.88	324,976	8.78	2.86	5.84	22.8	0.88	28,273
3350	182,869	2.57	261,792	9.86	2.98	6.87	27.7	0.12	25,786
3330	73,519	2.51	184,884	18.82	3.33	7.49	31.8	0.85	19,996
3310	42,233	2.44	103,889	8.86	3.84	5.83	45.8	0.12	9,137
Total	3,454,914	2.99	10,342,223	7.33	2.65	4.68	29.23	0.89	758,816

## CURRAGH RESOURCES INC. - F8988 INTERPRETATION

## Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F8988 - Undiluted, Uncut, Bench Composite Reserves  
- 95% Mining Recovery

Period: Remaining as of January 1, 1998

XPb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes	XPb+Zn	XPb	XZn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3910	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3890	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3870	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3850	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3830	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3810	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3790	311	3.21	998	9.98	3.52	6.37	42.1	0.12	99
3770	964	3.41	3,287	0.46	3.10	5.36	35.2	0.37	278
3750	1,524	2.79	4,256	6.87	2.14	3.93	33.7	0.17	258
3730	529	2.28	1,287	6.25	2.16	4.18	38.9	0.85	76
3710	6,158	3.11	19,143	5.64	2.88	2.76	58.7	0.24	1,888
3690	11,445	3.22	36,841	6.67	2.39	4.27	38.1	0.12	2,454
3670	28,628	3.81	61,997	6.68	2.58	4.11	26.6	0.17	4,148
3650	68,543	2.75	188,756	7.17	2.68	4.57	23.5	0.13	13,534
3630	88,921	2.82	228,384	6.96	2.34	4.62	22.6	0.12	15,898
3610	88,292	2.89	255,856	7.82	2.41	4.61	24.8	0.14	17,985
3590	89,411	2.98	259,865	7.14	2.64	4.58	28.1	0.19	18,497
3570	148,758	2.96	448,282	7.47	2.81	4.66	29.3	0.15	32,883
3550	161,985	3.86	495,182	6.65	2.54	4.11	31.1	0.11	32,924
3530	189,823	3.88	567,426	7.81	3.85	4.76	38.6	0.13	44,316
3510	277,488	3.89	857,668	7.74	2.93	4.88	33.8	0.87	66,297
3490	294,327	3.16	938,288	7.76	2.94	4.82	33.3	0.88	72,198
3470	346,419	3.88	1,868,876	8.92	3.31	5.61	34.5	0.87	95,272
3450	269,812	3.13	842,346	8.35	2.88	5.47	33.8	0.88	78,336
3430	172,882	3.19	551,829	8.88	2.84	5.16	28.8	0.86	44,882
3410	135,688	3.14	425,481	7.48	2.69	4.71	26.6	0.87	31,488
3390	186,285	3.19	339,188	7.68	2.62	5.85	21.4	0.84	26,816
3370	186,889	2.91	318,688	8.98	2.94	5.96	22.9	0.88	27,651
3350	181,384	2.57	268,177	9.89	3.88	6.89	27.8	0.12	25,731
3330	78,987	2.52	178,895	11.83	3.39	7.64	31.8	0.84	19,732
3310	48,748	2.44	99,465	9.88	3.88	5.93	46.4	0.11	8,962
Total	2,798,256	3.82	8,424,847	7.98	2.88	5.89	31.88	0.89	672,898

F8910



Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F8918 - Undiluted, 95% Mining Recovery, Bench Composite Reserves  
- Assays clipped to 95th Percentile By Rock Type

Period: January 1 1986 to December 31 1987

ZPb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes ZPb+Zn	ZPb	ZZn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.00	0
3910	0	0.00	0	0.00	0.00	0.00	0.00	0
3890	14,959	2.62	39,197	7.12	3.89	4.83	47.6	0.84
3878	13,747	2.86	39,283	8.14	3.41	4.72	47.1	0.11
3850	18,543	3.01	31,749	9.95	3.73	6.22	45.2	0.89
3838	23,947	2.50	59,898	6.92	2.55	4.36	36.5	0.16
3810	31,567	2.91	91,856	8.64	3.86	5.58	35.2	0.13
3798	48,827	3.16	154,588	9.47	3.29	6.18	34.1	0.87
3778	76,879	3.83	232,779	7.48	2.61	4.79	38.3	0.13
3758	81,793	3.82	247,289	7.18	2.71	4.47	33.9	0.22
3738	86,458	3.88	259,398	7.15	2.76	4.39	37.1	0.15
3718	102,598	2.94	301,369	6.83	2.76	4.87	39.8	0.15
3698	49,666	2.87	142,519	7.82	2.53	4.49	33.9	0.16
3678	37,165	2.82	184,842	6.39	2.31	4.88	31.8	0.17
3658	24,258	2.99	72,552	7.28	3.07	4.13	39.6	0.15
3638	34,458	3.12	107,436	7.28	3.87	4.21	32.3	0.16
3618	58,195	3.15	158,337	7.34	2.86	4.48	27.1	0.17
3598	65,598	3.12	204,682	6.85	2.58	4.27	25.4	0.14
3578	62,168	3.26	202,445	6.72	2.68	4.83	25.5	0.11
3558	102,349	3.29	336,965	7.74	3.14	4.68	33.8	0.87
3538	142,374	3.29	467,942	8.51	3.37	5.14	35.1	0.18
3518	289,766	3.11	651,387	8.73	3.59	5.15	42.8	0.13
3498	159,914	3.13	588,147	9.19	3.91	5.29	48.3	0.11
3478	118,428	2.98	353,277	8.19	3.42	4.77	42.5	0.88
3458	89,474	3.19	284,953	8.26	3.34	4.92	38.4	0.88
3438	55,419	3.34	185,387	9.99	3.93	6.86	46.5	0.88
3418	1,386	3.45	4,583	7.88	2.88	4.28	26.8	0.88
3398	0	0.88	0	0.88	0.88	0.88	0.88	0
3378	0	0.88	0	0.88	0.88	0.88	0.88	0
3358	0	0.88	0	0.88	0.88	0.88	0.88	0
3338	0	0.88	0	0.88	0.88	0.88	0.88	0
3318	0	0.88	0	0.88	0.88	0.88	0.88	0
<b>Total</b>	<b>1,693,848</b>	<b>3.89</b>	<b>5,234,453</b>	<b>8.81</b>	<b>3.18</b>	<b>4.83</b>	<b>37.48</b>	<b>0.12</b>

Blasthole Calculation

Period: January 1 1986 to December 31 1987

ZPb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes ZPb+Zn	ZPb	ZZn	Ag g/mt	Metal
3950	0	0.88	0	0.88	0.88	0.88	0
3910	0	0.88	0	0.88	0.88	0.88	0
3890	14,727	3.88	44,188	7.88	3.1	4.7	NA
3878	6,793	3.88	28,378	8.68	3.3	5.3	NA
3850	9,858	3.88	29,549	6.24	2.41	3.83	NA
3838	27,387	3.88	81,928	7.38	2.79	4.51	NA
3810	33,288	3.88	99,848	7.68	3.19	4.41	NA
3798	61,448	3.88	184,328	8.48	3.45	4.95	NA
3778	66,568	3.88	199,688	7.28	2.79	4.49	35.2
3758	69,416	3.88	288,249	7.71	3.11	4.6	43.8
3738	181,538	3.88	384,589	7.68	3.86	4.62	44.3
3718	91,383	3.88	273,988	7.32	2.9	4.42	38.9
3698	56,589	3.88	169,527	7.37	2.65	4.72	31.9
3678	25,328	3.88	75,983	7.87	2.67	4.4	36.2
3658	2,133	3.88	6,488	7.81	2.34	4.67	27.8
3638	54,946	3.88	164,838	7.29	2.73	4.56	26.4
3618	48,711	3.88	146,134	7.66	2.64	5.82	23.3
3598	78,415	3.88	211,244	8.14	3.81	5.13	32.1
3578	43,888	3.88	131,663	7.28	2.78	4.5	28.5
3558	98,674	3.88	296,822	7.88	3.21	4.59	38.6
3538	161,479	3.88	484,438	8.99	3.49	5.5	35.3
3518	223,781	3.88	671,182	9.41	3.86	5.55	47.1
3498	188,883	3.88	566,488	9.28	3.89	5.39	47.2
3478	144,939	3.88	434,818	8.64	3.59	5.85	43.2
3458	96,354	3.88	289,861	8.28	3.47	4.73	48.8
3438	63,646	3.88	198,938	8.25	3.43	4.82	37.8
3418	1,778	3.88	5,333	18.19	4.75	5.44	48.8
3398	0	0.88	0	0.88	0.88	0.88	0
3378	0	0.88	0	0.88	0.88	0.88	0
3358	0	0.88	0	0.88	0.88	0.88	0
3338	0	0.88	0	0.88	0.88	0.88	0
3318	0	0.88	0	0.88	0.88	0.88	0
<b>Total</b>	<b>1,763,587</b>	<b>3.88</b>	<b>5,298,522</b>	<b>8.29</b>	<b>3.32</b>	<b>4.96</b>	<b>NA</b>

ZVARIANCE (Blasthole-diluted model)/blasthole #100

Period: January 1 1986 to December 31 1987

ZPb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes ZPb+Zn	ZPb	ZZn	Ag g/mt	Metal
3950	0	0.88	0	0.88	0.88	0.88	0
3910	0	0.88	0	0.88	0.88	0.88	0
3890	-1.6	12.7	11.3	8.7	8.3	14.3	19.8
3878	-182.4	4.7	-92.8	5.3	-3.3	18.9	-82.2
3850	-7.8	-8.4	-7.4	-59.5	-54.8	-62.4	-71.3
3838	12.3	16.6	26.9	5.2	8.6	3.3	38.8
3810	5.1	3.8	8.0	-13.7	4.1	-26.5	-4.6
3798	28.5	-5.5	16.2	-12.7	4.6	-24.8	5.5
3778	-15.5	-8.9	-16.6	-1.6	6.5	-6.7	14.8
3758	-17.8	-8.7	-18.7	6.9	12.9	2.8	21.2
3738	14.8	8.8	14.8	6.9	9.8	5.8	16.3
3718	-12.4	2.1	-18.8	6.7	4.8	7.9	-8.3
3698	12.1	4.3	15.9	4.7	4.5	4.9	-6.3
3678	-46.7	6.8	-38.8	9.6	13.5	7.3	14.2
3658	-1837.1	8.3	-1833.6	-2.7	-31.2	11.6	-46.7
3638	37.3	-3.9	34.8	8.1	-12.5	7.7	-22.3
3618	-3.8	-5.1	-8.4	4.2	-8.3	18.8	-16.3
3598	6.9	-4.8	3.1	15.8	14.3	16.8	28.9
3578	-41.7	-8.5	-53.8	7.7	3.6	18.4	-41.7
3558	-3.7	-9.7	-13.8	8.8	2.2	-8.2	12.3
3538	11.8	-9.6	3.4	5.3	3.4	6.5	8.7
3518	6.2	-3.5	2.9	7.2	7.8	7.2	18.7
3498	15.3	-4.3	11.7	1.8	-8.5	1.9	-2.3
3478	18.3	8.6	18.8	5.2	4.7	5.5	1.6
3458	7.1	-6.2	1.4	-8.7	3.7	-4.8	4.8
3438	12.9	-11.5	2.9	-21.1	-14.6	-25.7	-17.5
3418	26.5	-15.8	15.6	38.5	39.4	22.8	45.8
3398	0	0.88	0	0.88	0.88	0.88	0
3378	0	0.88	0	0.88	0.88	0.88	0
3358	0	0.88	0	0.88	0.88	0.88	0
3338	0	0.88	0	0.88	0.88	0.88	0
3318	0	0.88	0	0.88	0.88	0.88	0
<b>Total</b>	<b>4.8</b>	<b>-3.8</b>	<b>1.1</b>	<b>3.4</b>	<b>4.2</b>	<b>2.8</b>	<b>NA</b>

Faro Computer Model Ore Predictions vs Actual Blasthole Results By Bench

F8910 - Undiluted, 95% Mining Recovery, Bench Composite Reserves  
- Assays clipped to 95th Percentile By Rock Type

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density #t/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/t	Au g/t	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3910	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3890	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3870	2,364	2.42	5,719	6.50	2.75	3.76	43.3	0.16	372
3850	1,835	2.50	4,579	7.63	3.05	4.50	45.4	0.20	349
3830	2,083	2.27	4,722	4.77	1.83	2.93	32.3	0.23	225
3810	124	2.45	304	4.89	1.81	3.09	33.3	0.14	15
3790	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3770	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3750	31	2.46	76	5.65	1.82	3.83	36.6	0.29	4
3730	342	2.31	789	5.51	1.89	3.62	32.4	0.22	43
3710	2,146	2.61	5,596	5.27	2.89	3.10	30.1	0.19	295
3690	217	2.62	570	5.85	2.86	3.79	38.4	0.15	33
3670	186	2.24	418	5.82	1.87	3.94	29.7	0.17	24
3650	62	2.38	143	5.76	2.42	3.34	35.8	0.22	8
3630	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3610	186	2.65	494	4.62	1.27	3.35	18.2	0.23	23
3590	6,935	3.17	22,012	7.89	3.38	4.58	41.2	0.80	1,735
3570	81,793	3.80	245,689	9.84	3.96	5.00	51.8	0.18	22,210
3550	121,942	3.84	378,975	8.63	3.96	4.68	55.8	0.12	32,052
3530	166,810	3.85	587,937	8.49	3.98	4.51	58.4	0.14	43,124
3510	199,567	2.97	592,173	8.28	3.53	4.67	52.5	0.13	48,558
3490	278,162	2.99	887,485	8.55	3.55	5.00	46.2	0.09	69,833
3470	318,157	3.88	953,785	9.35	3.92	5.43	48.3	0.87	89,171
3450	269,477	3.89	833,768	8.51	3.56	4.95	42.4	0.87	78,954
3430	15,643	3.18	49,723	8.41	3.34	5.87	38.2	0.88	4,182
3410	45,486	3.31	150,433	6.24	2.53	3.71	26.6	0.88	9,387
3390	18,753	3.24	60,753	6.69	2.71	3.97	25.8	0.84	4,858
3370	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3350	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3330	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3310	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
<b>Total</b>	<b>1,516,229</b>	<b>3.85</b>	<b>4,617,979</b>	<b>8.57</b>	<b>3.67</b>	<b>4.90</b>	<b>47.99</b>	<b>0.89</b>	<b>395,857</b>

Blasthole Calculation

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density #t/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/t	Au g/t	Metal
3950	0	0.00	0	0.00					0
3910	0	0.00	0	0.00					0
3890	0	0.00	0	0.00					0
3870	0	0.00	0	0.00					0
3850	0	0.00	0	0.00					0
3830	0	0.00	0	0.00					0
3810	0	0.00	0	0.00					0
3790	0	0.00	0	0.00					0
3770	0	0.00	0	0.00					0
3750	0	0.00	0	0.00					0
3730	0	0.00	0	0.00					0
3710	0	0.00	0	0.00					0
3690	0	0.00	0	0.00					0
3670	0	0.00	0	0.00					0
3650	0	0.00	0	0.00					0
3630	0	0.00	0	0.00					0
3610	0	0.00	0	0.00					0
3590	7,969	3.88	23,986	9.53	5.18	4.43	74.8		2,278
3570	105,044	3.88	315,132	8.45	3.87	4.58	58.8		26,629
3550	149,373	3.88	448,118	8.58	4.89	4.49	62.1		38,449
3530	149,888	3.88	447,824	9.38	4.26	5.84	57.6		41,573
3510	208,414	3.88	625,242	8.99	3.86	5.13	58.1		56,289
3490	288,137	3.88	864,411	9.55	3.99	5.56	52.3		82,551
3470	299,168	3.88	897,481	9.25	3.86	5.39	55.1		83,817
3450	241,268	3.88	723,885	8.62	3.65	4.97	45.8		62,392
3430	0	0.00	0	0.00					0
3410	58,934	3.88	152,881	6.48	2.68	3.88	23.8		9,779
3390	27,112	3.88	81,336	6.65	2.62	4.83	24.8		5,489
3370	0	0.00	0	0.00					0
3350	0	0.00	0	0.00					0
3330	0	0.00	0	0.00					0
3310	0	0.00	0	0.00					0
<b>Total</b>	<b>1,526,419</b>	<b>3.88</b>	<b>4,579,256</b>	<b>8.92</b>	<b>3.86</b>	<b>5.86</b>	<b>53.8</b>		<b>488,286</b>

%VARIANCE (Blasthole-diluted model)/blasthole #100

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density #t/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/t	Au g/t	Metal
3950	0	0.00	0	0.00					0
3910	0	0.00	0	0.00					0
3890	0	0.00	0	0.00					0
3870	0	0.00	0	0.00					0
3850	0	0.00	0	0.00					0
3830	0	0.00	0	0.00					0
3810	0	0.00	0	0.00					0
3790	0	0.00	0	0.00					0
3770	0	0.00	0	0.00					0
3750	0	0.00	0	0.00					0
3730	0	0.00	0	0.00					0
3710	0	0.00	0	0.00					0
3690	0	0.00	0	0.00					0
3670	0	0.00	0	0.00					0
3650	0	0.00	0	0.00					0
3630	0	0.00	0	0.00					0
3610	0	0.00	0	0.00					0
3590	13.8	-5.8	7.9	17.2	35.3	-3.4	44.3		23.9
3570	22.1	-8.1	22.8	-7.8	-2.3	-18.9	13.3		16.6
3550	18.4	-1.4	17.2	-8.6	3.2	-4.2	11.4		16.6
3530	-12.8	-1.5	-13.6	8.7	6.6	18.5	-1.4		-3.7
3510	4.2	1.1	5.3	8.8	8.5	9.8	9.6		13.6
3490	6.2	8.4	6.6	18.5	11.8	18.1	11.7		16.4
3470	-3.7	-2.5	-6.3	-1.1	-1.6	-8.7	12.4		-7.4
3450	-11.7	-3.1	-15.2	1.3	2.5	8.4	5.7		-13.7
3430									
3410	10.9	-18.4	1.6	2.5	2.7	2.4	-15.8		4.8
3390	38.8	-8.8	25.3	-8.6	-3.4	1.5	-7.5		25.8
3370									
3350									
3330									
3310									
<b>Total</b>	<b>8.7</b>	<b>-1.5</b>	<b>-8.8</b>	<b>3.9</b>	<b>4.7</b>	<b>3.2</b>	<b>9.5</b>		<b>3.8</b>





## Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F8910 - Undiluted, 95% Mining Recovery, Bench Composite Reserves  
- Assays clipped to 95th Percentile By Rock Type

Period: January 1 1989 to December 31 1989

XPb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes XPb+Zn	XPb	XZn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.00	0
3910	0	0.00	0	0.00	0.00	0.00	0.00	0
3890	0	0.00	0	0.00	0.00	0.00	0.00	0
3870	497	2.48	1,235	7.01	3.19	4.61	49.5	96
3850	249	2.94	732	9.60	3.79	5.01	49.2	70
3830	0	0.00	0	0.00	0.00	0.00	0.00	0
3810	2,426	2.52	6,109	7.06	3.19	3.07	51.0	431
3790	4,012	2.44	9,804	5.59	2.43	3.17	41.2	549
3770	217	2.45	532	6.25	2.44	3.01	40.3	33
3750	93	2.34	219	5.65	1.02	3.03	36.6	12
3730	484	3.45	1,397	6.34	2.42	3.92	20.7	09
3710	17,509	2.92	51,150	6.47	2.49	3.99	36.0	0.12
3690	30,532	2.91	112,262	0.59	3.16	5.42	43.0	0.12
3670	40,000	2.96	110,750	7.64	2.03	4.01	34.2	0.13
3650	41,923	2.99	125,250	7.49	3.00	4.49	32.9	0.14
3630	79,505	3.02	240,200	7.35	2.99	4.36	30.2	0.16
3610	124,000	3.10	384,026	0.62	3.51	5.11	40.1	0.13
3590	100,943	3.02	329,327	9.51	3.03	5.60	49.7	0.14
3570	89,971	2.95	265,240	0.03	3.51	5.31	46.6	0.17
3550	60,024	3.17	210,329	7.07	3.22	4.65	30.4	0.13
3530	40,461	3.12	126,322	7.02	3.20	4.62	39.7	0.14
3510	5,660	3.25	10,373	0.49	3.06	5.44	25.1	0.11
3490	746	3.49	2,603	9.39	4.49	4.90	53.7	0.00
3470	5,971	3.20	19,570	0.26	3.49	4.76	39.7	0.05
3450	17,197	3.30	50,197	7.56	3.30	4.19	40.0	0.05
3430	217,720	3.36	730,035	0.79	3.53	5.26	36.9	0.07
3410	100,152	3.31	331,013	7.62	2.95	4.67	27.5	0.06
3390	155,156	3.04	471,419	6.66	2.47	4.19	26.0	0.06
3370	94,419	3.27	300,560	7.06	2.04	5.01	23.0	0.04
3350	74,732	3.00	224,447	7.70	2.67	5.04	24.1	0.04
3330	15,092	2.05	45,249	6.50	2.20	4.31	21.6	0.06
3310	4,665	2.41	11,220	6.19	2.20	3.90	41.2	0.45

Blasthole Calculation

Period: January 1 1989 to December 31 1989

XPb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes XPb+Zn	XPb	XZn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0					0
3910	0	0.00	0					0
3890	0	0.00	0	0.00				0
3870	0	0.00	0	0.00				0
3850	0	0.00	0	0.00				0
3830	0	0.00	0	0.00				0
3810	0	0.00	0	0.00				0
3790	4,140	3.00	12,444	9.72	4.11	5.61	54.0	1,210
3770	3,919	3.00	11,756	9.32	3.61	5.71	73.0	1,096
3750	0	0.00	0	0.00				0
3730	0	0.00	0	0.00				0
3710	11,372	3.00	34,117	9.93	3.34	6.59	55.9	3,300
3690	20,641	3.00	61,923	7.40	3.10	4.30	43.0	6,427
3670	47,516	3.00	142,540	0.20	3.32	4.96	51.2	11,003
3650	61,289	3.00	183,867	0.33	3.20	5.05	33.6	15,316
3630	00,965	3.00	242,094	0.20	3.07	5.13	36.0	19,917
3610	123,539	3.00	370,610	0.57	3.30	5.19	46.7	31,762
3590	122,610	3.00	367,029	0.45	3.39	5.06	50.6	31,002
3570	03,734	3.00	251,201	0.49	3.34	5.15	47.4	21,327
3550	54,319	3.00	162,950	0.26	3.33	4.93	39.1	13,460
3530	52,619	3.00	157,056	7.62	2.99	4.63	39.0	12,029
3510	13,327	3.00	39,900	7.29	2.69	4.60	24.6	2,915
3490	0	0.00	0	0.00				0
3470	0	0.00	0	0.00				0
3450	16,009	3.00	48,660	5.94	2.43	3.51	23.0	3,010
3430	190,944	3.00	572,032	7.62	3.07	4.55	37.4	43,650
3410	204,174	3.00	612,521	7.55	2.96	4.59	30.1	46,245
3390	131,039	3.00	395,517	2.74	4.67	31.9	29,300	3,370
3370	132,935	3.00	398,004	2.60	4.00	20.0	30,150	3,370
3350	57,006	3.00	171,417	2.63	4.04	17.3	12,954	3,350
3330	13,612	3.00	40,035	2.62	5.23	20.0	3,206	3,330
3310	0	0.00	0					0

% VARIANCE (Blasthole-diluted model)/blasthole #100

Period: January 1 1989 to December 31 1989

XPb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes XPb+Zn	XPb	XZn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0					0
3910	0	0.00	0					0
3890	0	0.00	0	0.00				0
3870	0	0.00	0	0.00				0
3850	0	0.00	0	0.00				0
3830	0	0.00	0	0.00				0
3810	0	0.00	0	0.00				0
3790	3.3	18.5	21.2	42.5	40.9	43.5	23.7	54.6
3770	94.5	10.4	95.5	32.9	32.4	33.3	44.0	97.0
3750	0	0.00	0					0
3730	0	0.00	0					0
3710	-54.0	2.6	-49.9	34.0	25.4	39.5	34.2	2.1
3690	-34.5	2.9	-30.7	-14.0	-1.9	-23.7	1.7	-49.9
3670	15.6	1.3	16.7	7.7	14.0	3.0	33.2	23.1
3650	31.6	0.4	31.9	10.1	0.5	11.1	2.2	30.7
3630	1.7	-0.6	1.1	10.4	2.6	15.0	-3.7	11.4
3610	-0.4	-3.4	-3.0	-0.6	-3.0	1.5	-3.0	-4.4
3590	11.1	-0.0	10.5	-12.5	-13.0	-12.3	1.0	-0.0
3570	-7.4	1.7	-5.6	-4.0	-5.1	-3.1	1.6	-9.7
3550	-26.7	-5.7	-34.0	4.7	3.3	5.7	1.9	-27.7
3530	23.1	-4.1	20.0	-2.6	-7.0	0.2	-1.9	17.9
3510	57.5	-0.2	54.0	-16.5	-13.0	-10.3	-1.9	46.4
3490	0	0.00	0					0
3470	0	0.00	0					0
3450	-1.0	-12.0	-14.9	-27.3	-39.1	-19.4	-73.9	-46.4
3430	-14.0	-11.9	-27.6	-15.4	-15.0	-15.6	1.3	-47.2
3410	7.0	-10.2	-1.5	-0.9	0.3	-1.7	0.6	-2.5
3390	-17.7	-1.3	-19.2	9.9	10.3	10.5	-7.1	-19.7
3370	29.0	-8.9	22.6	-6.0	-2.7	15.1	19.7	33.6
3350	-29.3	-0.1	-29.4	-1.5	-4.1	-39.3	-33.6	-16.0
3330	-16.0	5.1	-10.0	13.0	17.6	-0.0	7.0	17.9
3310	0	0.00	0					0

Total -0.1 -4.4 -4.5 -1.6 -2.7 -8.9 4.2 -6.2





F9003





Faro Computer Model Ore Predictions vs Actual Blasthole Results By Bench

F9003 - 1/d interpolation - Undiluted, Bench Composite Reserves  
 - Assays clipped to 95th Percentile By Rock Type

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3910	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3890	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3870	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3850	435	2.10	912	4.06	1.52	2.54	25.0	0.05	37
3830	840	2.21	1,853	4.25	1.49	2.76	27.6	0.20	79
3810	93	2.45	228	4.60	1.78	2.82	20.5	0.06	10
3790	62	2.29	143	4.45	1.90	2.55	33.5	0.12	6
3770	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3750	31	2.46	76	5.11	1.76	3.35	36.3	0.34	4
3730	404	2.35	950	4.90	1.87	3.03	34.1	0.18	47
3710	2,395	2.45	5,862	5.06	1.94	3.12	30.4	0.18	297
3690	217	2.53	551	5.35	1.91	3.44	30.5	0.16	29
3670	186	2.34	437	5.90	1.90	4.00	29.6	0.14	26
3650	62	2.14	133	5.70	2.32	3.38	34.1	0.24	8
3630	186	2.55	475	4.85	1.51	3.35	13.9	0.29	23
3610	186	2.55	475	5.60	1.55	4.05	12.0	0.33	27
3590	9,486	3.01	28,548	8.36	3.47	4.89	49.4	0.03	2,387
3570	80,424	2.89	232,009	8.55	3.76	4.79	48.5	0.16	19,837
3550	125,612	2.92	367,023	7.39	3.26	4.13	46.2	0.10	27,123
3530	166,912	2.93	488,728	7.95	3.72	4.23	54.9	0.21	38,854
3510	211,696	2.90	613,216	7.91	3.37	4.53	49.9	0.15	48,444
3490	255,856	2.87	734,930	8.28	3.48	4.79	45.1	0.11	60,779
3470	321,726	2.96	952,195	8.79	3.71	5.07	45.5	0.07	83,603
3450	245,376	3.04	745,883	8.08	3.44	4.64	40.2	0.05	60,267
3430	15,860	3.10	49,201	8.23	3.31	4.93	36.9	0.08	4,054
3410	45,405	3.23	146,604	6.06	2.43	3.63	25.1	0.05	8,884
3390	18,629	3.14	58,577	6.80	2.68	4.12	24.9	0.05	3,983
3370	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3350	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3330	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3310	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
<b>Total</b>	<b>1,502,081</b>	<b>2.95</b>	<b>4,429,005</b>	<b>8.10</b>	<b>3.48</b>	<b>4.62</b>	<b>45.34</b>	<b>0.11</b>	<b>358,807</b>

Blasthole Calculation

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal
3950	0	0.00	0	0.00				0
3910	0	0.00	0	0.00				0
3890	0	0.00	0	0.00				0
3870	0	0.00	0	0.00				0
3850	0	0.00	0	0.00				0
3830	0	0.00	0	0.00				0
3810	0	0.00	0	0.00				0
3790	0	0.00	0	0.00				0
3770	0	0.00	0	0.00				0
3750	0	0.00	0	0.00				0
3730	0	0.00	0	0.00				0
3710	0	0.00	0	0.00				0
3690	0	0.00	0	0.00				0
3670	0	0.00	0	0.00				0
3650	0	0.00	0	0.00				0
3630	0	0.00	0	0.00				0
3610	0	0.00	0	0.00				0
3590	7,969	3.00	23,906	9.53	5.10	4.43	74.0	2,278
3570	105,044	3.00	315,132	8.45	3.87	4.58	58.8	26,629
3550	149,373	3.00	448,118	8.58	4.09	4.49	62.1	38,449
3530	149,008	3.00	447,024	9.30	4.26	5.04	57.6	41,573
3510	208,414	3.00	625,242	8.99	3.86	5.13	58.1	56,209
3490	288,137	3.00	864,411	9.55	3.99	5.56	52.3	82,551
3470	299,160	3.00	897,481	9.25	3.86	5.39	55.1	83,017
3450	241,268	3.00	723,805	8.62	3.65	4.97	45.0	62,392
3430	0	0.00	0	0.00				0
3410	50,934	3.00	152,801	6.40	2.60	3.80	23.0	9,779
3390	27,112	3.00	81,336	6.65	2.62	4.03	24.0	5,409
3370	0	0.00	0	0.00				0
3350	0	0.00	0	0.00				0
3330	0	0.00	0	0.00				0
3310	0	0.00	0	0.00				0
<b>Total</b>	<b>1,526,419</b>	<b>3.00</b>	<b>4,579,256</b>	<b>8.92</b>	<b>3.86</b>	<b>5.06</b>	<b>53.0</b>	<b>408,286</b>

%VARIANCE (Blasthole-diluted model)/blasthole #100

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 4%

Bench	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal
3950								
3910								
3890								
3870								
3850								
3830								
3810								
3790								
3770								
3750								
3730								
3710								
3690								
3670								
3650								
3630								
3610								
3590	-19.0	-0.3	-19.4	12.3	32.0	-10.4	33.2	-4.8
3570	23.4	3.8	26.4	-1.2	2.8	-4.6	17.5	25.5
3550	15.9	2.6	18.1	13.9	20.3	8.0	25.6	29.5
3530	-12.0	2.4	-9.3	14.5	12.7	16.1	4.7	6.5
3510	-1.6	3.4	1.9	12.0	12.7	11.7	14.1	13.8
3490	11.2	4.3	15.0	13.3	12.8	13.8	13.9	26.4
3470	-7.5	1.3	-6.1	5.0	3.9	5.9	17.5	-0.7
3450	-1.7	-1.3	-3.1	6.3	5.8	6.6	10.6	3.4
3430								
3410	10.9	-7.6	4.1	5.3	6.5	4.5	-9.2	9.2
3390	31.3	-4.8	26.0	-2.3	-2.3	-2.2	-3.7	26.4
3370								
3350								
3330								
3310								
<b>Total</b>	<b>1.6</b>	<b>1.7</b>	<b>3.3</b>	<b>9.1</b>	<b>9.8</b>	<b>8.6</b>	<b>14.5</b>	<b>12.1</b>

Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F9003 - 1/d interpolation - Undiluted, Bench Composite Reserves  
 - Assays clipped to 95th Percentile By Rock Type

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 5%

Bench	Volume Density bcy at/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt	Metal
3950	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3910	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3890	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3870	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3850	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3830	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3810	31 2.46	76	5.08	2.20	2.88	34.6	0.08	4
3790	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3770	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3750	31 2.46	76	5.11	1.76	3.35	36.3	0.34	4
3730	31 3.07	95	5.71	2.41	3.30	40.6	0.10	5
3710	715 3.04	2,176	6.02	2.67	3.35	38.7	0.18	131
3690	62 2.76	171	7.05	2.36	4.69	36.6	0.13	12
3670	186 2.34	437	5.90	1.90	4.00	29.6	0.14	26
3650	62 2.14	133	5.70	2.32	3.38	34.1	0.24	8
3630	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3610	186 2.55	475	5.60	1.55	4.05	12.0	0.33	27
3590	9,299 3.02	28,073	8.43	3.51	4.91	50.0	0.03	2,364
3570	79,989 2.89	230,736	8.57	3.78	4.80	48.7	0.16	19,797
3550	124,959 2.92	365,266	7.40	3.27	4.13	46.3	0.10	27,030
3530	156,369 2.92	456,770	8.19	3.85	4.34	56.7	0.22	37,409
3510	191,356 2.89	552,055	8.28	3.53	4.75	52.5	0.15	45,710
3490	199,940 2.90	579,301	9.28	3.89	5.39	49.3	0.10	53,759
3470	292,213 2.96	863,883	9.22	3.89	5.33	47.3	0.07	79,650
3450	172,945 3.20	552,881	9.33	3.95	5.38	44.7	0.05	51,584
3430	12,688 3.30	41,819	8.91	3.62	5.29	38.8	0.08	3,726
3410	37,817 3.37	127,471	6.26	2.54	3.73	24.1	0.06	7,992
3390	18,629 3.14	58,577	6.80	2.68	4.12	24.9	0.05	3,983
3370	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3350	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3330	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
3310	0 0.00	0	0.00	0.00	0.00	0.0	0.00	0
Total	1,297,509 2.98	3,860,468	8.63	3.71	4.92	47.88	0.11	333,221

Blasthole Calculation

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 5%

Bench	Volume Density bcy at/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal
3950	0 0.00	0					0
3910	0 0.00	0					0
3890	0 0.00	0	0.00				0
3870	0 0.00	0	0.00				0
3850	0 0.00	0	0.00				0
3830	0 0.00	0	0.00				0
3810	0 0.00	0	0.00				0
3790	0 0.00	0	0.00				0
3770	0 0.00	0	0.00				0
3750	0 0.00	0	0.00				0
3730	0 0.00	0	0.00				0
3710	0 0.00	0	0.00				0
3690	0 0.00	0	0.00				0
3670	0 0.00	0	0.00				0
3650	0 0.00	0	0.00				0
3630	0 0.00	0	0.00				0
3610	0 0.00	0	0.00				0
3590	7,969 3.00	23,906	9.53	5.10	4.43	74.0	2,278
3570	99,488 3.00	298,464	8.65	3.97	4.68	54.1	25,817
3550	139,061 3.00	417,182	8.87	4.23	4.64	64.0	37,004
3530	145,248 3.00	435,745	9.38	4.30	5.08	58.0	40,873
3510	203,045 3.00	609,134	9.08	3.90	5.18	58.8	55,309
3490	270,347 3.00	811,042	9.85	4.11	5.74	53.5	75,888
3470	265,265 3.00	795,795	9.80	4.09	5.71	57.8	77,988
3450	234,325 3.00	702,975	8.73	3.69	5.04	45.1	61,370
3430	0 0.00	0	0.00				0
3410	44,415 3.00	133,245	6.67	2.70	3.97	22.9	8,887
3390	18,890 3.00	56,670	7.28	2.90	4.38	24.0	4,126
3370	0 0.00	0	0.00				0
3350	0 0.00	0	0.00				0
3330	0 0.00	0	0.00				0
3310	0 0.00	0	0.00				0
Total	1,428,053 3.00	4,284,158	9.19	3.97	5.21	54.0	393,540

%VARIANCE (Blasthole-diluted model)/blasthole #100

Period: January 1 1988 to December 31 1988

%Pb+Zn Cutoff = 5%

Bench	Volume Density bcy at/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Metal	
3950								
3910								
3890								
3870								
3850								
3830								
3810								
3790								
3770								
3750								
3730								
3710								
3690								
3670								
3650								
3630								
3610								
3590	-16.7	-0.6	-17.4	11.5	31.2	-10.8	32.4	-3.8
3570	19.6	3.6	22.7	0.9	4.8	-2.6	10.0	23.3
3550	10.1	2.6	12.4	16.6	22.7	11.0	27.7	27.0
3530	-7.7	2.6	-4.8	12.7	10.5	14.6	2.2	8.5
3510	5.8	3.8	9.4	8.8	9.5	8.3	10.7	17.4
3490	26.0	3.4	28.6	5.8	5.4	6.1	7.8	32.7
3470	-10.2	1.5	-3.6	5.9	4.9	6.7	18.1	-2.1
3450	26.2	-6.6	21.4	-6.9	-7.0	-6.7	0.9	15.9
3430								
3410	14.9	-12.4	4.3	6.1	5.9	6.0	-5.5	10.1
3390	1.4	-4.8	-3.4	6.6	7.6	5.9	-3.7	3.5
3370								
3350								
3330								
3310								
Total	9.1	0.8	9.9	6.0	6.7	5.5	11.3	15.3









## Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F9003 - 1/d interpolation - Undiluted, Bench Composite Reserves  
 - Assays clipped to 95th Percentile By Rock Type

Period: Remaining as of January 1, 1990

%Pb+Zn Cutoff = 4%

Bench	Volume Density bcy mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt	Metal
3950	0 0.00	0	0.00	0.00	0.00	0.00	0.00	0
3910	0 0.00	0	0.00	0.00	0.00	0.00	0.00	0
3890	0 0.00	0	0.00	0.00	0.00	0.00	0.00	0
3370	0 0.00	0	0.00	0.00	0.00	0.00	0.00	0
3850	0 0.00	0	0.00	0.00	0.00	0.00	0.00	0
3830	0 0.00	0	0.00	0.00	0.00	0.00	0.00	0
3510	0 0.00	0	0.00	0.00	0.00	0.00	0.00	0
3790	373 2.90	1,083	9.87	3.51	6.37	43.0	0.06	0
3770	964 3.09	2,983	8.68	3.28	5.39	51.6	0.32	0
3750	1,897 2.44	4,636	4.89	1.75	3.13	34.6	0.26	0
3730	4,820 2.82	13,595	4.64	1.87	2.77	33.0	0.10	0
3710	11,270 3.19	35,986	5.01	2.57	2.45	41.1	0.25	0
3690	7,557 3.05	23,057	4.85	2.19	2.66	36.6	0.19	0
3670	30,478 2.91	88,597	5.35	2.12	3.23	26.8	0.21	0
3650	96,906 2.62	253,432	5.94	2.03	3.92	20.0	0.24	0
3630	120,977 2.64	319,732	5.41	1.79	3.62	18.4	0.26	0
3610	136,029 2.61	355,367	5.74	1.87	3.87	19.0	0.21	0
3590	155,435 2.73	424,460	5.95	2.13	3.81	21.8	0.19	0
3570	180,253 2.75	495,007	6.81	2.49	4.32	25.2	0.15	0
3550	232,066 2.85	660,887	5.75	2.24	3.52	25.7	0.18	0
3530	258,003 2.87	741,057	6.25	2.52	3.72	29.4	0.20	0
3510	363,025 2.87	1,042,321	6.89	2.65	4.24	29.1	0.14	0
3490	350,679 2.97	1,040,849	6.93	2.67	4.26	28.0	0.14	0
3470	368,500 2.91	1,072,978	7.61	2.87	4.74	26.8	0.13	0
3450	282,975 3.00	849,462	7.67	2.89	4.78	28.1	0.13	0
3430	221,616 3.07	690,941	7.24	2.70	4.55	26.8	0.13	0
3410	183,208 2.99	547,685	6.81	2.44	4.38	22.9	0.11	0
3390	164,020 2.90	476,112	6.40	2.21	4.19	17.9	0.10	0
3370	112,892 2.79	315,115	8.26	2.93	5.44	20.5	0.11	0
3350	101,572 2.49	253,261	7.57	2.47	5.10	24.3	0.19	0
3330	54,113 2.40	129,941	7.74	2.52	5.21	24.9	0.06	0
3310	41,891 2.29	96,064	6.51	2.17	4.33	31.4	0.00	0
Total	3,481,537 2.85	9,924,603	6.79	2.52	4.28	25.59	0.15	0

CURRAGH RESOURCES INC. - F9003 1/d - INTERPRETATION

Faro Computer Reserve Predictions vs Actual Blasthole Results By Year and Bench

F9003 - 1/d interpolation - Undiluted, Bench Composite Reserves  
 - Assays clipped to 95th Percentile By Rock Type

Period: Remaining as of January 1, 1990

%Pb+Zn Cutoff = 5%

Bench	Volume bcy	Density mt/bcy	Tonnes	%Pb+Zn	%Pb	%Zn	Ag g/mt	Au g/mt	Metal
3950	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3910	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3890	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3870	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3850	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3830	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3810	0	0.00	0	0.00	0.00	0.00	0.0	0.00	0
3790	373	2.90	1,083	9.87	3.51	6.37	43.0	0.06	107
3770	964	3.09	2,983	8.68	3.28	5.39	51.6	0.32	259
3750	809	2.39	1,928	5.45	1.82	3.62	35.9	0.34	105
3730	1,213	2.86	3,468	5.34	2.23	3.11	39.3	0.08	185
3710	5,287	3.23	17,072	5.47	2.82	2.64	47.3	0.26	932
3690	1,368	2.84	3,886	6.34	2.27	4.07	30.1	0.08	246
3670	16,452	2.95	48,602	5.96	2.41	3.55	29.7	0.25	2,897
3650	82,694	2.65	219,203	6.15	2.13	4.03	20.7	0.24	13,503
3630	63,443	2.55	161,757	6.34	1.90	4.44	19.0	0.26	10,255
3610	95,289	2.65	252,415	6.23	2.02	4.21	19.7	0.20	15,725
3590	102,286	2.80	286,055	6.64	2.35	4.29	22.8	0.17	18,994
3570	135,718	2.72	368,999	7.61	2.76	4.85	27.4	0.14	28,081
3550	138,363	2.87	397,461	6.59	2.60	3.99	30.5	0.15	26,193
3530	196,954	2.87	565,174	6.79	2.76	4.03	32.0	0.20	38,375
3510	297,996	2.91	865,602	7.37	2.85	4.52	31.1	0.13	63,795
3490	272,184	2.99	814,540	7.60	2.95	4.65	30.4	0.13	61,905
3470	317,124	2.92	924,645	8.13	3.07	5.06	28.3	0.13	75,174
3450	250,880	3.04	763,097	8.04	3.03	5.01	29.0	0.13	61,353
3430	180,316	3.09	556,244	7.83	2.91	4.92	29.0	0.14	43,554
3410	148,687	3.03	450,357	7.29	2.64	4.65	24.0	0.12	32,831
3390	104,993	3.13	328,710	7.27	2.53	4.74	17.7	0.09	23,897
3370	109,968	2.81	308,532	8.35	2.86	5.49	20.6	0.11	25,762
3350	96,907	2.50	242,440	7.71	2.53	5.18	24.6	0.18	18,692
3330	47,271	2.42	114,437	8.17	2.66	5.51	24.3	0.06	9,350
3310	34,645	2.31	80,028	6.93	2.31	4.62	32.6	0.00	5,546
Total	2,702,184	2.88	7,778,714	7.43	2.75	4.67	27.34	0.14	577,716