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PC-XPLOR VERSION 1.30                      Curragh Resources In
Exploration Data Manager                  16:47:21  Serial no: 20320
By GEMCOM SERVICES INC.                  5/ 8/91  Page :    1
***                                     GRUM DRILLHOLE DATABASE      ***
***                                     ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\au4_8p4.mex
 DATA DESCRIPTION : massive ore types - au assays - plus 4% pb+zn
 USER DESCRIPTION : massive sulphide - plus 4% Pb+Zn

DATA VALUES ENTERED

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-----
MINIMUM CUTOFF VALUE      :      4.000
MAXIMUM CUTOFF VALUE      :      45.000
TOTAL NUMBER OF SAMPLES USED :      2024

MINIMUM HISTOGRAM VALUE   :      4.000
MAXIMUM HISTOGRAM VALUE   :      45.000
CLASS INTERVAL            :      1.367

MINIMUM POPULATION DATA POINT :      4.000
MAXIMUM POPULATION DATA POINT :      45.000
TOTAL POPULATION          :      2024

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	2024	
ARITHMETIC MEAN	13.8765	13.8716
MEDIAN		12.9981
GEOMETRIC MEAN	12.3425	12.3374
NATURAL LOG MEAN	2.5130	2.5126
STANDARD DEVIATION	6.6414	6.6441
VARIANCE	44.1081	44.1439
COEFFICIENT OF VARIATION	.4786	.4790
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	44.1081	44.1439
MOMENT 3 ABOUT ARITHMETIC MEAN	247.3897	247.7686
MOMENT 4 ABOUT ARITHMETIC MEAN	6993.7560	6993.8850
MOMENT COEFFICIENT OF SKEWNESS	.8445	.8448
MOMENT COEFFICIENT OF KURTOSIS	3.5948	3.5890

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

*** GRUM DRILLHOLE DATABASE ***
*** ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\au4_Bp4.mex
DATA DESCRIPTION : massive ore types - au assays - plus 4% pb+zn
USER DESCRIPTION : massive sulphide - plus 4% Pb+Zn

FREQUENCY DISTRIBUTIONS

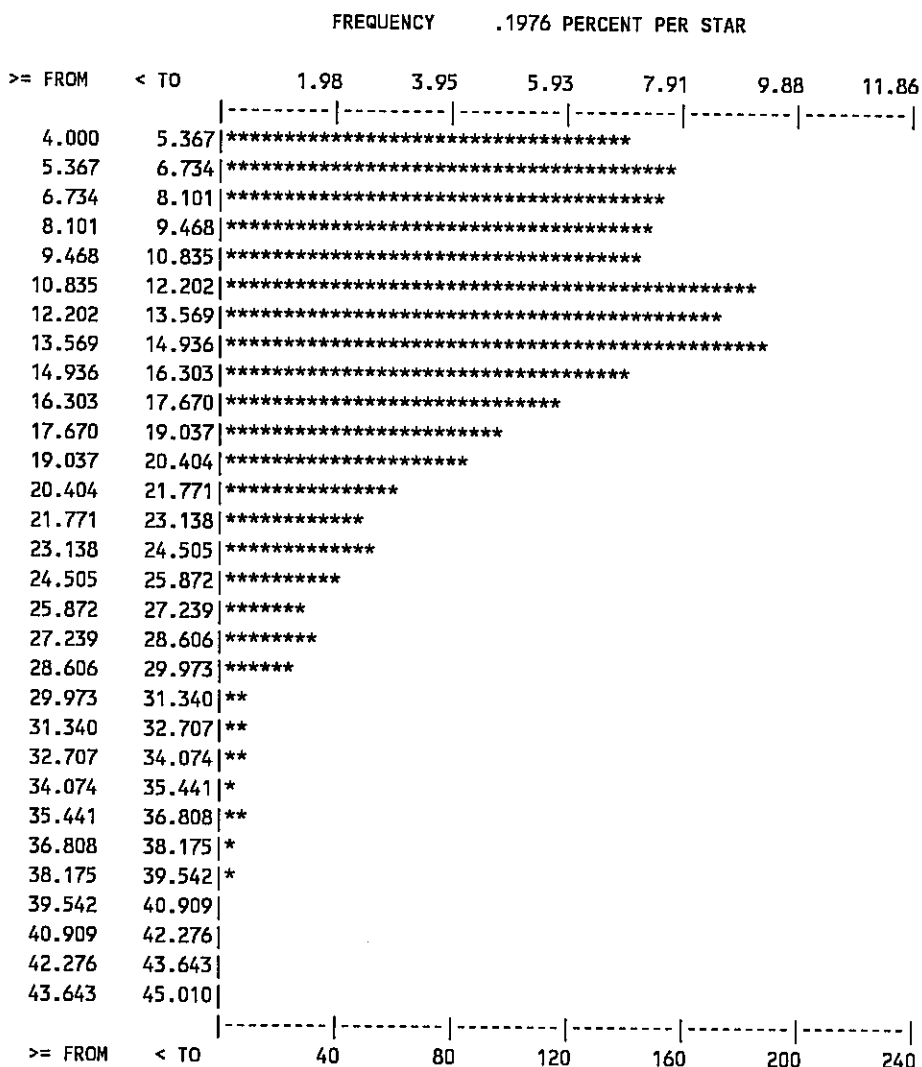
CLASS INTERVAL >= FROM < TO		< UPPER BND <-INCREMENTAL--><-----INCREASING-----><-----DECREASING----->						>= LOWER BND	
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
4.000	5.367	138	4.744	138	4.744	6.82	2024	13.876	100.00
5.367	6.734	154	6.058	292	5.437	14.43	1886	14.545	93.18
6.734	8.101	150	7.446	442	6.119	21.84	1732	15.299	85.57
8.101	9.468	146	8.805	588	6.785	29.05	1582	16.044	78.16
9.468	10.835	143	10.166	731	7.447	36.12	1436	16.780	70.95
10.835	12.202	182	11.512	913	8.257	45.11	1293	17.512	63.88
12.202	13.569	170	12.883	1083	8.983	53.51	1111	18.494	54.89
13.569	14.936	189	14.234	1272	9.764	62.85	941	19.508	46.49
14.936	16.303	139	15.628	1411	10.341	69.71	752	20.833	37.15
16.303	17.670	114	17.026	1525	10.841	75.35	613	22.014	30.29
17.670	19.037	97	18.269	1622	11.285	80.14	499	23.153	24.65
19.037	20.404	83	19.682	1705	11.694	84.24	402	24.332	19.86
20.404	21.771	58	21.195	1763	12.007	87.10	319	25.542	15.76
21.771	23.138	48	22.482	1811	12.284	89.48	261	26.507	12.90
23.138	24.505	51	23.828	1862	12.600	92.00	213	27.414	10.52
24.505	25.872	41	25.106	1903	12.870	94.02	162	28.544	8.00
25.872	27.239	29	26.487	1932	13.074	95.45	121	29.708	5.98
27.239	28.606	32	27.908	1964	13.316	97.04	92	30.724	4.55
28.606	29.973	23	29.340	1987	13.501	98.17	60	32.225	2.96
29.973	31.340	9	30.756	1996	13.579	98.62	37	34.019	1.83
31.340	32.707	6	31.957	2002	13.634	98.91	28	35.068	1.38
32.707	34.074	7	33.369	2009	13.703	99.26	22	35.916	1.09
34.074	35.441	3	34.300	2012	13.734	99.41	15	37.105	.74
35.441	36.808	6	36.077	2018	13.800	99.70	12	37.806	.59
36.808	38.175	2	37.260	2020	13.823	99.80	6	39.536	.30
38.175	39.542	2	38.850	2022	13.848	99.90	4	40.674	.20
39.542	40.909	1	40.000	2023	13.861	99.95	2	42.498	.10
40.909	42.276	0	.000	2023	13.861	99.95	1	44.996	.05
42.276	43.643	0	.000	2023	13.861	99.95	1	44.996	.05
43.643	45.010	1	45.000	2024	13.876	100.00	1	44.996	.05

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\au4_8p4.mex
 DATA DESCRIPTION : massive ore types - au assays - plus 4% pb+zn
 USER DESCRIPTION : massive sulphide - plus 4% Pb+Zn

NORMAL HISTOGRAM



4.0000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10: 3:33   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :      1
***
GRUM DRILLHOLE DATABASE                               ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn2.mex
 DATA DESCRIPTION : pb+zn% for rock type 2 - assays
 USER DESCRIPTION : % Pb+Zn for Rock type 2

DATA VALUES ENTERED

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-----
MINIMUM CUTOFF VALUE      :      .020
MAXIMUM CUTOFF VALUE      :     32.650
TOTAL NUMBER OF SAMPLES USED :     4674

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :     35.000
CLASS INTERVAL            :      1.000

MINIMUM POPULATION DATA POINT :      .020
MAXIMUM POPULATION DATA POINT :     32.650
TOTAL POPULATION           :     4674

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	4674	
ARITHMETIC MEAN	5.3302	5.3569
MEDIAN		4.5068
GEOMETRIC MEAN	3.2303	3.3958
NATURAL LOG MEAN	1.1726	1.2226
STANDARD DEVIATION	4.5477	4.5472
VARIANCE	20.6819	20.6768
COEFFICIENT OF VARIATION	.8532	.8488
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	20.6819	20.6768
MOMENT 3 ABOUT ARITHMETIC MEAN	128.9308	130.0194
MOMENT 4 ABOUT ARITHMETIC MEAN	2402.8190	2412.6200
MOMENT COEFFICIENT OF SKEWNESS	1.3708	1.3829
MOMENT COEFFICIENT OF KURTOSIS	5.6175	5.6432

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn2.mex
DATA DESCRIPTION : pb+zn% for rock type 2 - assays
USER DESCRIPTION : % Pb+Zn for Rock type 2

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL => FROM < TO		< UPPER BND									
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PC-XPLOR VERSION 1.30
Exploration Data Manager
by GEMCOM SERVICES INC.
Curragh Resources In
10: 3:41 Serial no: 20320
2/ 8/91 Page : 3
*** GRUM DRILLHOLE DATABASE ***

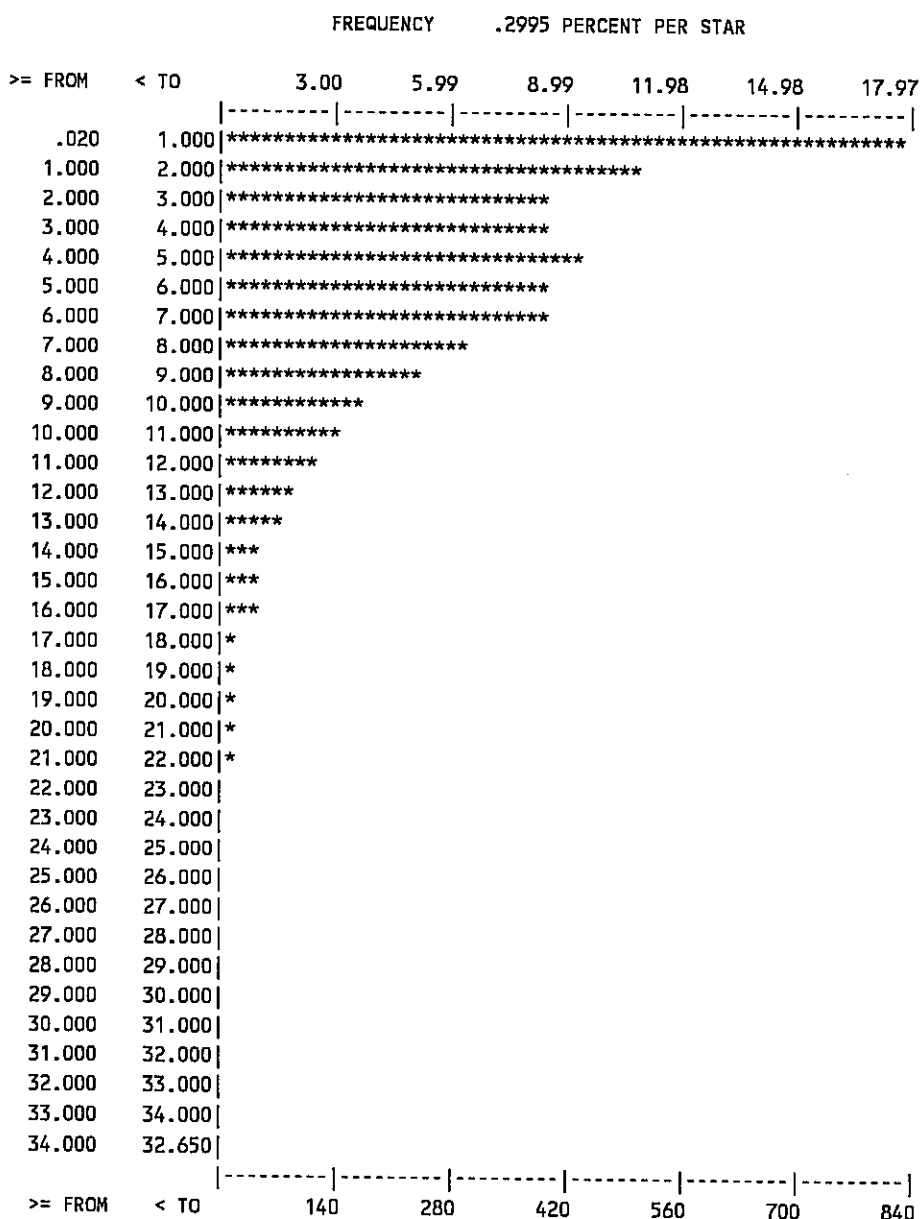
34.000	32.650	0	.000	4674	5.330	100.00	0	32.651	.00
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NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn2.mex
 DATA DESCRIPTION : pb+zn% for rock type 2 - assays
 USER DESCRIPTION : % Pb+Zn for Rock type 2

NORMAL HISTOGRAM



14.0000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:36:48  Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91  Page :    1
***
GRUM DRILLHOLE DATABASE                               ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn40.mex
 DATA DESCRIPTION : pb+zn% for rock type 40 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 40

DATA VALUES ENTERED

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-----
MINIMUM CUTOFF VALUE      :      .030
MAXIMUM CUTOFF VALUE      :     31.450
TOTAL NUMBER OF SAMPLES USED :      112

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :     35.000
CLASS INTERVAL            :      1.000

MINIMUM POPULATION DATA POINT :      .030
MAXIMUM POPULATION DATA POINT :     31.450
TOTAL POPULATION          :      112

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	112	
ARITHMETIC MEAN	2.3429	2.4085
MEDIAN		1.2727
GEOMETRIC MEAN	1.1049	1.3445
NATURAL LOG MEAN	.0998	.2960
STANDARD DEVIATION	3.7134	3.7070
VARIANCE	13.7895	13.7417
COEFFICIENT OF VARIATION	1.5849	1.5391
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	13.7895	13.7417
MOMENT 3 ABOUT ARITHMETIC MEAN	249.9588	250.5052
MOMENT 4 ABOUT ARITHMETIC MEAN	6697.2320	6694.2920
MOMENT COEFFICIENT OF SKEWNESS	4.8814	4.9176
MOMENT COEFFICIENT OF KURTOSIS	35.2205	35.4505

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30

Exploration Data Manager

By GEMCOM SERVICES INC.

Curragh Resources In

10:36:51 Serial no: 20320

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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn40.mex

DATA DESCRIPTION : pb+zn% for rock type 40 - assays

USER DESCRIPTION : %Pb+Zn for rock type 40

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND					>= LOWER BND		
		<--INCREMENTAL-->		<-----INCREASING----->			<-----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.030	1.000	50	.438	50	.438	44.64	112	2.343	100.00
1.000	2.000	22	1.496	72	.761	64.29	62	3.879	55.36
2.000	3.000	15	2.398	87	1.044	77.68	40	5.190	35.71
3.000	4.000	9	3.406	96	1.265	85.71	25	6.865	22.32
4.000	5.000	4	4.445	100	1.392	89.29	16	8.811	14.29
5.000	6.000	3	5.317	103	1.507	91.96	12	10.266	10.71
6.000	7.000	1	6.670	104	1.556	92.86	9	11.916	8.04
7.000	8.000	1	7.690	105	1.615	93.75	8	12.571	7.14
8.000	9.000	2	8.550	107	1.744	95.54	7	13.269	6.25
9.000	10.000	1	9.980	108	1.820	96.43	5	15.156	4.46
10.000	11.000	1	10.010	109	1.896	97.32	4	16.450	3.57
11.000	12.000	1	11.020	110	1.979	98.21	3	18.597	2.68
12.000	13.000	0	.000	110	1.979	98.21	2	22.385	1.79
13.000	14.000	1	13.320	111	2.081	99.11	2	22.385	1.79
14.000	15.000	0	.000	111	2.081	99.11	1	31.450	.89
15.000	16.000	0	.000	111	2.081	99.11	1	31.450	.89
16.000	17.000	0	.000	111	2.081	99.11	1	31.450	.89
17.000	18.000	0	.000	111	2.081	99.11	1	31.450	.89
18.000	19.000	0	.000	111	2.081	99.11	1	31.450	.89
19.000	20.000	0	.000	111	2.081	99.11	1	31.450	.89
20.000	21.000	0	.000	111	2.081	99.11	1	31.450	.89
21.000	22.000	0	.000	111	2.081	99.11	1	31.450	.89
22.000	23.000	0	.000	111	2.081	99.11	1	31.450	.89
23.000	24.000	0	.000	111	2.081	99.11	1	31.450	.89
24.000	25.000	0	.000	111	2.081	99.11	1	31.450	.89
25.000	26.000	0	.000	111	2.081	99.11	1	31.450	.89
26.000	27.000	0	.000	111	2.081	99.11	1	31.450	.89
27.000	28.000	0	.000	111	2.081	99.11	1	31.450	.89
28.000	29.000	0	.000	111	2.081	99.11	1	31.450	.89
29.000	30.000	0	.000	111	2.081	99.11	1	31.450	.89
30.000	31.000	0	.000	111	2.081	99.11	1	31.450	.89
31.000	32.000	1	31.450	112	2.343	100.00	1	31.450	.89
32.000	33.000	0	.000	112	2.343	100.00	0	31.450	.00
33.000	34.000	0	.000	112	2.343	100.00	0	31.450	.00

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.
*** GRUM DRILLHOLE DATABASE ***

Curragh Resources In
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34.000 31.450 0 .000 112 2.343 100.00 0 31.450 .00

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30

Exploration Data Manager

By GEMCOM SERVICES INC.

Curragh Resources In

10:36:58 Serial no: 20320

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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

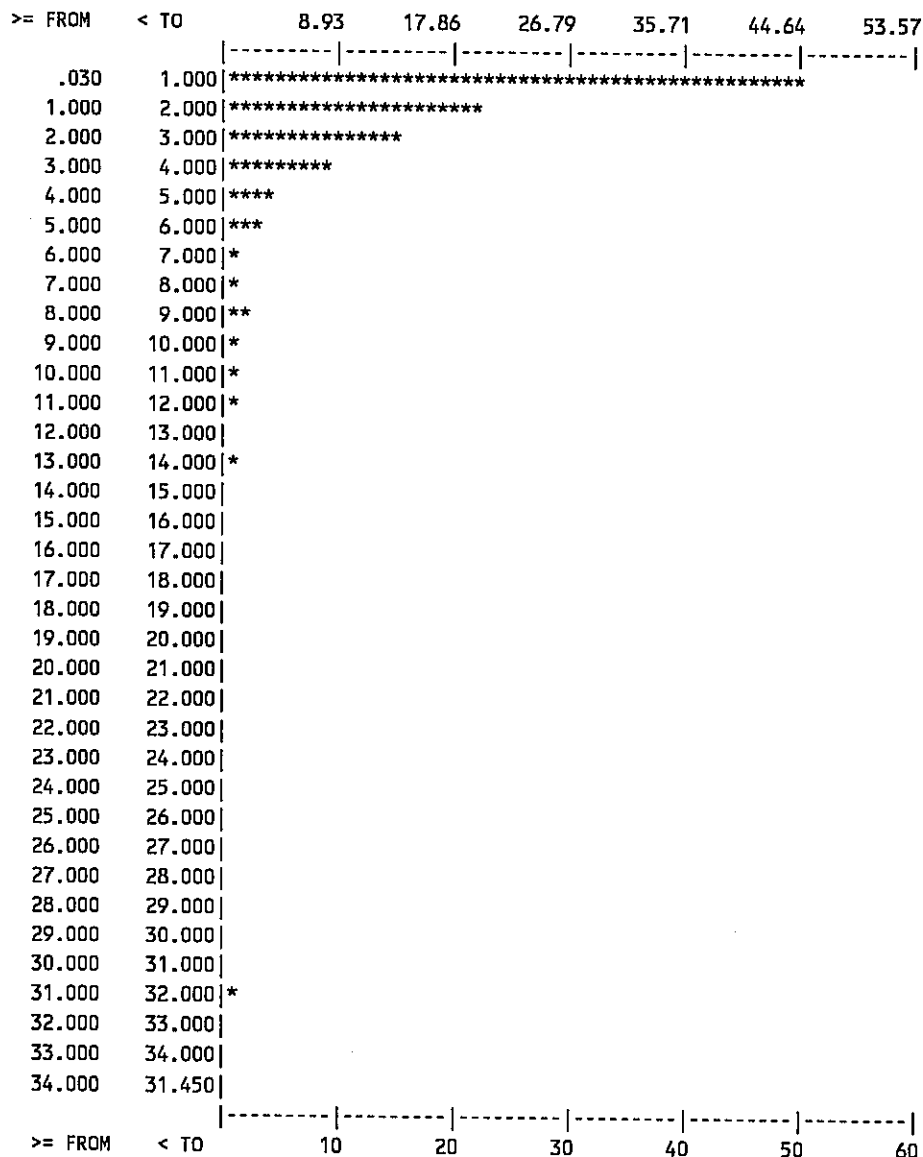
EXTRACTION FILENAME : e:\grum\extract\pbzn40.mex

DATA DESCRIPTION : pb+zn% for rock type 40 - assays

USER DESCRIPTION : %Pb+Zn for rock type 40

NORMAL HISTOGRAM

FREQUENCY .8929 PERCENT PER STAR



1.0000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:35:57  Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91  Page :    1
***
***          GRUM DRILLHOLE DATABASE          ***
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CLASSICAL STATISTICS AND HISTOGRAMS

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EXTRACTION FILENAME : e:\grum\extract\pbzn30.mex
DATA DESCRIPTION    : pb+zn% for rock type 30 - assays
USER DESCRIPTION    : %Pb+Zn for rock type 30

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DATA VALUES ENTERED

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-----
MINIMUM CUTOFF VALUE      :      .020
MAXIMUM CUTOFF VALUE      :     12.110
TOTAL NUMBER OF SAMPLES USED :      206

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :     15.000
CLASS INTERVAL            :      .500

MINIMUM POPULATION DATA POINT :      .020
MAXIMUM POPULATION DATA POINT :     12.110
TOTAL POPULATION          :      206

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	206	
ARITHMETIC MEAN	2.0805	2.1116
MEDIAN		1.6250
GEOMETRIC MEAN	1.1291	1.2858
NATURAL LOG MEAN	.1214	.2514
STANDARD DEVIATION	2.0964	2.0833
VARIANCE	4.3949	4.3403
COEFFICIENT OF VARIATION	1.0076	.9866
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	4.3949	4.3403
MOMENT 3 ABOUT ARITHMETIC MEAN	18.4439	18.4508
MOMENT 4 ABOUT ARITHMETIC MEAN	160.2718	160.3531
MOMENT COEFFICIENT OF SKEWNESS	2.0019	2.0405
MOMENT COEFFICIENT OF KURTOSIS	8.2979	8.5122

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn30.mex
DATA DESCRIPTION : pb+zn% for rock type 30 - assays
USER DESCRIPTION : %Pb+Zn for rock type 30

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND					>= LOWER BND		
		<-INCREMENTAL->		<-----INCREASING----->			<-----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.020	.500	49	.216	49	.216	23.79	206	2.080	100.00
.500	1.000	27	.708	76	.391	36.89	157	2.662	76.21
1.000	1.500	20	1.194	96	.558	46.60	130	3.068	63.11
1.500	2.000	28	1.750	124	.827	60.19	110	3.409	53.40
2.000	2.500	16	2.184	140	.982	67.96	82	3.976	39.81
2.500	3.000	17	2.771	157	1.176	76.21	66	4.410	32.04
3.000	3.500	13	3.208	170	1.331	82.52	49	4.979	23.79
3.500	4.000	10	3.678	180	1.462	87.38	36	5.618	17.48
4.000	4.500	4	4.125	184	1.520	89.32	26	6.365	12.62
4.500	5.000	6	4.820	190	1.624	92.23	22	6.772	10.68
5.000	5.500	3	5.373	193	1.682	93.69	16	7.504	7.77
5.500	6.000	3	5.827	196	1.746	95.15	13	7.995	6.31
6.000	6.500	1	6.120	197	1.768	95.63	10	8.646	4.85
6.500	7.000	3	6.653	200	1.841	97.09	9	8.927	4.37
7.000	7.500	1	7.320	201	1.868	97.57	6	10.063	2.91
7.500	8.000	0	.000	201	1.868	97.57	5	10.612	2.43
8.000	8.500	0	.000	201	1.868	97.57	5	10.612	2.43
8.500	9.000	0	.000	201	1.868	97.57	5	10.612	2.43
9.000	9.500	1	9.170	202	1.904	98.06	5	10.612	2.43
9.500	10.000	0	.000	202	1.904	98.06	4	10.972	1.94
10.000	10.500	1	10.290	203	1.946	98.54	4	10.972	1.94
10.500	11.000	2	10.745	205	2.032	99.51	3	11.200	1.46
11.000	11.500	0	.000	205	2.032	99.51	1	12.110	.49
11.500	12.000	0	.000	205	2.032	99.51	1	12.110	.49
12.000	12.500	1	12.110	206	2.080	100.00	1	12.110	.49
12.500	13.000	0	.000	206	2.080	100.00	0	12.110	.00
13.000	13.500	0	.000	206	2.080	100.00	0	12.110	.00
13.500	14.000	0	.000	206	2.080	100.00	0	12.110	.00
14.000	14.500	0	.000	206	2.080	100.00	0	12.110	.00
14.500	12.110	0	.000	206	2.080	100.00	0	12.110	.00

NB : (GM) - GEOMETRIC MEAN

Curragh Resources In

10:36: 5 Serial no: 20320

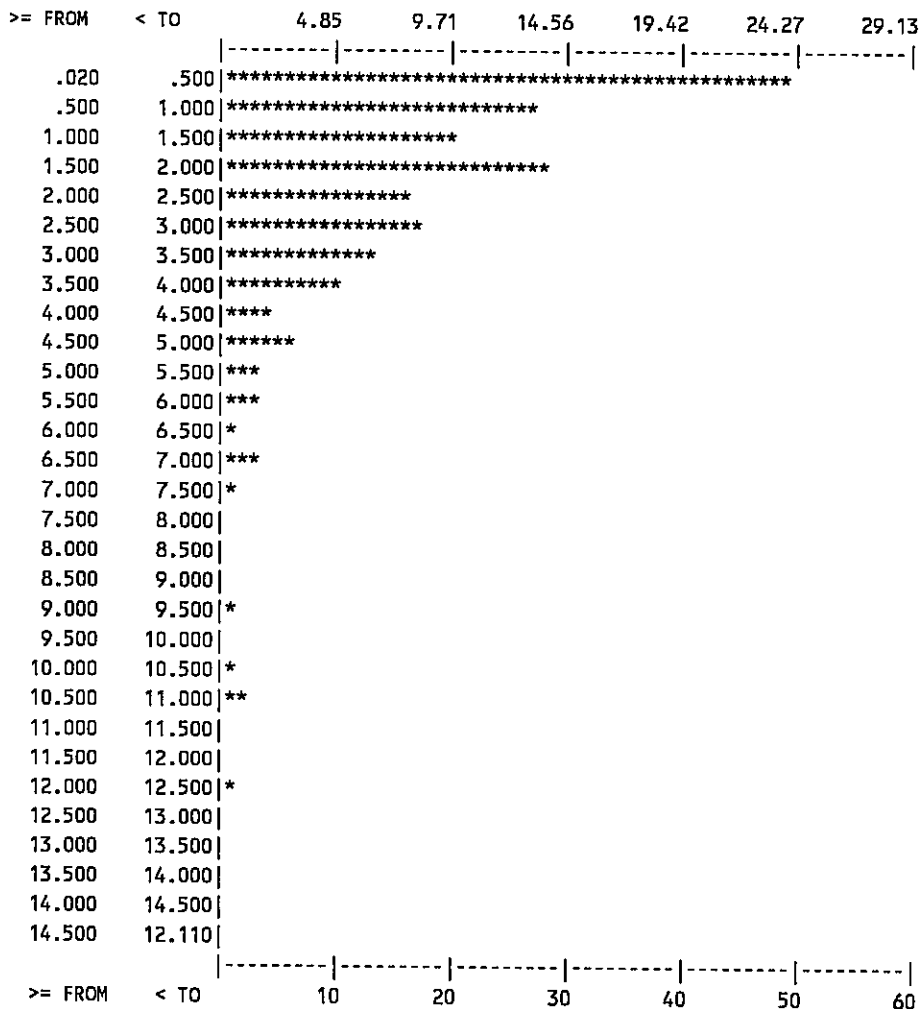
2/ 8/91 Page : 3

GRUM DRILLHOLE DATABASE

EXTRACTION FILENAME : e:\grum\extract\pbzn30.mex
DATA DESCRIPTION : pb+zn% for rock type 30 - assays
USER DESCRIPTION : %Pb+Zn for rock type 30

NORMAL HISTOGRAM

FREQUENCY .4854 PERCENT PER STAR



1.0000 COUNTS PER STAR

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn20.mex
DATA DESCRIPTION : pb+zn% for rock type 20 - assays
USER DESCRIPTION : %Pb+Zn for rock type 20

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	.020
MAXIMUM CUTOFF VALUE	:	8.180
TOTAL NUMBER OF SAMPLES USED	:	62
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	10.000
CLASS INTERVAL	:	.500
MINIMUM POPULATION DATA POINT	:	.020
MAXIMUM POPULATION DATA POINT	:	8.180
TOTAL POPULATION	:	62

	UNGROUPED DATA	GROUPED DATA
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TOTAL NO OF SAMPLES	62	
ARITHMETIC MEAN	1.7776	1.7932
MEDIAN		1.1250
GEOMETRIC MEAN	.8844	1.0528
NATURAL LOG MEAN	-.1228	.0515
STANDARD DEVIATION	1.8441	1.8320
VARIANCE	3.4007	3.3564
COEFFICIENT OF VARIATION	1.0374	1.0216
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	3.4007	3.3564
MOMENT 3 ABOUT ARITHMETIC MEAN	9.2600	9.5862
MOMENT 4 ABOUT ARITHMETIC MEAN	55.1077	56.7611
MOMENT COEFFICIENT OF SKEWNESS	1.4766	1.5590
MOMENT COEFFICIENT OF KURTOSIS	4.7651	5.0386

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
 Exploration Data Manager
 By GEMCOM SERVICES INC.

Curragh Resources In
 10:35: 3 Serial no: 20320
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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn20.mex
 DATA DESCRIPTION : pb+zn% for rock type 20 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 20

FREQUENCY DISTRIBUTIONS

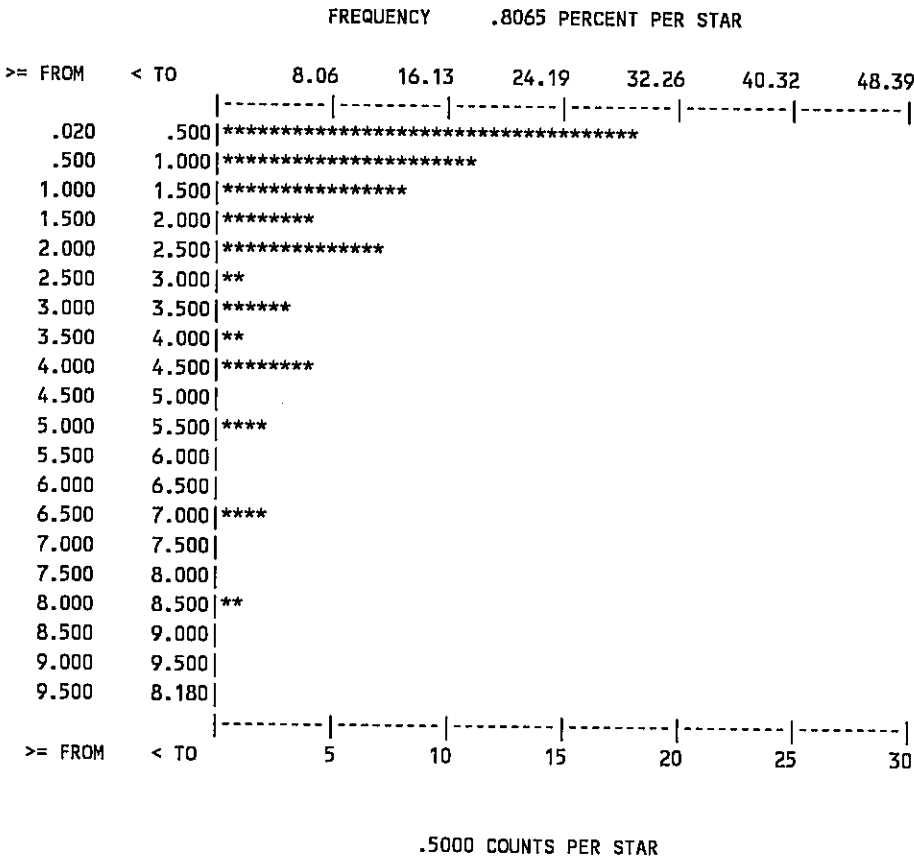
CLASS INTERVAL >= FROM < TO		< UPPER BND <-INCREMENTAL->-----INCREASING----->						>= LOWER BND <-----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	
.020	.500	18	.201	18	.201	29.03	62	1.778	100.00	
.500	1.000	11	.725	29	.400	46.77	44	2.422	70.97	
1.000	1.500	8	1.293	37	.593	59.68	33	2.988	53.23	
1.500	2.000	4	1.798	41	.710	66.13	25	3.531	40.32	
2.000	2.500	7	2.183	48	.925	77.42	21	3.861	33.87	
2.500	3.000	1	2.760	49	.962	79.03	14	4.701	22.58	
3.000	3.500	3	3.450	52	1.106	83.87	13	4.850	20.97	
3.500	4.000	1	3.790	53	1.157	85.48	10	5.270	16.13	
4.000	4.500	4	4.242	57	1.373	91.94	9	5.434	14.52	
4.500	5.000	0	.000	57	1.373	91.94	5	6.388	8.06	
5.000	5.500	2	5.230	59	1.504	95.16	5	6.388	8.06	
5.500	6.000	0	.000	59	1.504	95.16	3	7.160	4.84	
6.000	6.500	0	.000	59	1.504	95.16	3	7.160	4.84	
6.500	7.000	2	6.650	61	1.673	98.39	3	7.160	4.84	
7.000	7.500	0	.000	61	1.673	98.39	1	8.180	1.61	
7.500	8.000	0	.000	61	1.673	98.39	1	8.180	1.61	
8.000	8.500	1	8.180	62	1.778	100.00	1	8.180	1.61	
8.500	9.000	0	.000	62	1.778	100.00	0	8.180	.00	
9.000	9.500	0	.000	62	1.778	100.00	0	8.180	.00	
9.500	8.180	0	.000	62	1.778	100.00	0	8.180	.00	

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn20.mex
DATA DESCRIPTION : pb+zn% for rock type 20 - assays
USER DESCRIPTION : %Pb+Zn for rock type 20

NORMAL HISTOGRAM



CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn9.mex
DATA DESCRIPTION : pb+zn% for rock type 9 - assays
USER DESCRIPTION : %Pb+Zn for rock type 9

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	18.990
MAXIMUM CUTOFF VALUE	:	38.590
TOTAL NUMBER OF SAMPLES USED	:	8
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	40.000
CLASS INTERVAL	:	1.000
MINIMUM POPULATION DATA POINT	:	18.990
MAXIMUM POPULATION DATA POINT	:	38.590
TOTAL POPULATION	:	8

	UNGROUPED DATA	GROUPED DATA
--	----------------	--------------

TOTAL NO OF SAMPLES	8	
ARITHMETIC MEAN	28.3762	28.3750
MEDIAN		27.0000
GEOMETRIC MEAN	27.7534	27.7281
NATURAL LOG MEAN	3.3234	3.3224
STANDARD DEVIATION	5.9484	6.0091
VARIANCE	35.3833	36.1094
COEFFICIENT OF VARIATION	.2096	.2118
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	35.3833	36.1094
MOMENT 3 ABOUT ARITHMETIC MEAN	57.7478	36.6680
MOMENT 4 ABOUT ARITHMETIC MEAN	2757.3050	2905.5730
MOMENT COEFFICIENT OF SKEWNESS	.2744	.1690
MOMENT COEFFICIENT OF KURTOSIS	2.2024	2.2284

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn9.mex
DATA DESCRIPTION : pb+zn% for rock type 9 - assays
USER DESCRIPTION : %Pb+Zn for rock type 9

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL => FROM < TO											
		< UPPER BND					>= LOWER BND				
		<- INCREMENTAL->		<----- INCREASING----->			<----- DECREASING----->				
		COUNT	MEAN	CUM	CUM	CUM FREQ	CUM	CUM	CUM FREQ		
				COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT		
18.990	1.000	0	.000	0	.000	.00	8	28.376	100.00		
1.000	2.000	0	.000	0	.000	.00	8	28.376	100.00		
2.000	3.000	0	.000	0	.000	.00	8	28.376	100.00		
3.000	4.000	0	.000	0	.000	.00	8	28.376	100.00		
4.000	5.000	0	.000	0	.000	.00	8	28.376	100.00		
5.000	6.000	0	.000	0	.000	.00	8	28.376	100.00		
6.000	7.000	0	.000	0	.000	.00	8	28.376	100.00		
7.000	8.000	0	.000	0	.000	.00	8	28.376	100.00		
8.000	9.000	0	.000	0	.000	.00	8	28.376	100.00		
9.000	10.000	0	.000	0	.000	.00	8	28.376	100.00		
10.000	11.000	0	.000	0	.000	.00	8	28.376	100.00		
11.000	12.000	0	.000	0	.000	.00	8	28.376	100.00		
12.000	13.000	0	.000	0	.000	.00	8	28.376	100.00		
13.000	14.000	0	.000	0	.000	.00	8	28.376	100.00		
14.000	15.000	0	.000	0	.000	.00	8	28.376	100.00		
15.000	16.000	0	.000	0	.000	.00	8	28.376	100.00		
16.000	17.000	0	.000	0	.000	.00	8	28.376	100.00		
17.000	18.000	0	.000	0	.000	.00	8	28.376	100.00		
18.000	19.000	1	18.990	1	18.990	12.50	8	28.376	100.00		
19.000	20.000	0	.000	1	18.990	12.50	7	29.717	87.50		

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn9.mex
DATA DESCRIPTION : pb+zn% for rock type 9 - assays
USER DESCRIPTION : %Pb+Zn for rock type 9

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL => FROM < TO		< UPPER BND >= LOWER BND									
		<-INCREMENTAL-><-----INCREASING----->					<-----DECREASING----->				
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT		
20.000	21.000	0	.000	1	18.990	12.50	7	29.717	87.50		
21.000	22.000	0	.000	1	18.990	12.50	7	29.717	87.50		
22.000	23.000	0	.000	1	18.990	12.50	7	29.717	87.50		
23.000	24.000	1	23.470	2	21.230	25.00	7	29.717	87.50		
24.000	25.000	0	.000	2	21.230	25.00	6	30.758	75.00		
25.000	26.000	1	25.200	3	22.553	37.50	6	30.758	75.00		
26.000	27.000	1	26.700	4	23.590	50.00	5	31.870	62.50		
27.000	28.000	0	.000	4	23.590	50.00	4	33.162	50.00		
28.000	29.000	0	.000	4	23.590	50.00	4	33.162	50.00		
29.000	30.000	2	29.230	6	25.470	75.00	4	33.162	50.00		
30.000	31.000	0	.000	6	25.470	75.00	2	37.095	25.00		
31.000	32.000	0	.000	6	25.470	75.00	2	37.095	25.00		
32.000	33.000	0	.000	6	25.470	75.00	2	37.095	25.00		
33.000	34.000	0	.000	6	25.470	75.00	2	37.095	25.00		
34.000	35.000	0	.000	6	25.470	75.00	2	37.095	25.00		
35.000	36.000	1	35.600	7	26.917	87.50	2	37.095	25.00		
36.000	37.000	0	.000	7	26.917	87.50	1	38.590	12.50		
37.000	38.000	0	.000	7	26.917	87.50	1	38.590	12.50		
38.000	39.000	1	38.590	8	28.376	100.00	1	38.590	12.50		
39.000	38.590	0	.000	8	28.376	100.00	0	38.590	.00		

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn9.mex
DATA DESCRIPTION : pb+zn% for rock type 9 - assays
USER DESCRIPTION : %Pb+Zn for rock type 9

NORMAL HISTOGRAM

		FREQUENCY 6.2500 PERCENT PER STAR					
>= FROM	< TO	62.50	125.00	187.50	250.00	312.50	375.00
18.990	17.000						
1.000	2.000						
2.000	3.000						
3.000	4.000						
4.000	5.000						
5.000	6.000						
6.000	7.000						
7.000	8.000						
8.000	9.000						
9.000	10.000						
10.000	11.000						
11.000	12.000						
12.000	13.000						
13.000	14.000						
14.000	15.000						
15.000	16.000						
16.000	17.000						
17.000	18.000						
18.000	19.000						**
19.000	20.000						
20.000	21.000						
21.000	22.000						
22.000	23.000						
23.000	24.000						**
24.000	25.000						
25.000	26.000						**
26.000	27.000						**
27.000	28.000						
28.000	29.000						
29.000	30.000						****
30.000	31.000						
31.000	32.000						
32.000	33.000						
33.000	34.000						
34.000	35.000						
35.000	36.000						**
36.000	37.000						
37.000	38.000						
38.000	39.000						**
39.000	38.590						

>= FROM < TO 5 10 15 20 25 30

.5000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:32:14   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :    1
***
GRUM DRILLHOLE DATABASE                               ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn8.mex
 DATA DESCRIPTION : pb+zn% for rock type 8 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 8

DATA VALUES ENTERED

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-----
MINIMUM CUTOFF VALUE      :      .410
MAXIMUM CUTOFF VALUE      :      28.170
TOTAL NUMBER OF SAMPLES USED :      56

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :      30.000
CLASS INTERVAL            :      1.000

MINIMUM POPULATION DATA POINT :      .410
MAXIMUM POPULATION DATA POINT :      28.170
TOTAL POPULATION           :      56

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	56	
ARITHMETIC MEAN	8.2998	8.3649
MEDIAN		7.0000
GEOMETRIC MEAN	5.0773	5.0671
NATURAL LOG MEAN	1.6248	1.6228
STANDARD DEVIATION	7.3094	7.3525
VARIANCE	53.4268	54.0591
COEFFICIENT OF VARIATION	.8807	.8790
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	53.4268	54.0591
MOMENT 3 ABOUT ARITHMETIC MEAN	371.4044	371.2237
MOMENT 4 ABOUT ARITHMETIC MEAN	8603.5240	8699.1580
MOMENT COEFFICIENT OF SKEWNESS	.9511	.9340
MOMENT COEFFICIENT OF KURTOSIS	3.0141	2.9767

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
10:32:17 Serial no: 20320
2/ 8/91 Page : 2

GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn8.mex
DATA DESCRIPTION : pb+zn% for rock type 8 - assays
USER DESCRIPTION : %Pb+Zn for rock type 8

FREQUENCY DISTRIBUTIONS

		< UPPER BND					>= LOWER BND		
		<-INCREMENTAL-><-----INCREASING-----><-----DECREASING----->							
CLASS INTERVAL		COUNT	MEAN	CUM	CUM	CUM FREQ	CUM	CUM	CUM FREQ
>= FROM	< TO			COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT
.410	1.000	7	.843	7	.843	12.50	56	8.300	100.00
1.000	2.000	4	1.525	11	1.091	19.64	49	9.365	87.50
2.000	3.000	9	2.334	20	1.651	35.71	45	10.062	80.36
3.000	4.000	6	3.613	26	2.103	46.43	36	11.994	64.29
4.000	5.000	1	4.050	27	2.176	48.21	30	13.670	53.57
5.000	6.000	0	.000	27	2.176	48.21	29	14.002	51.79
6.000	7.000	1	6.300	28	2.323	50.00	29	14.002	51.79
7.000	8.000	2	7.195	30	2.648	53.57	28	14.277	50.00
8.000	9.000	3	8.657	33	3.194	58.93	26	14.822	46.43
9.000	10.000	3	9.267	36	3.700	64.29	23	15.626	41.07
10.000	11.000	2	10.315	38	4.048	67.86	20	16.580	35.71
11.000	12.000	3	11.450	41	4.590	73.21	18	17.276	32.14
12.000	13.000	1	12.200	42	4.771	75.00	15	18.441	26.79
13.000	14.000	2	13.450	44	5.165	78.57	14	18.886	25.00
14.000	15.000	2	14.390	46	5.567	82.14	12	19.793	21.43
15.000	16.000	2	15.335	48	5.974	85.71	10	20.873	17.86
16.000	17.000	1	16.410	49	6.187	87.50	8	22.257	14.29
17.000	18.000	0	.000	49	6.187	87.50	7	23.093	12.50
18.000	19.000	0	.000	49	6.187	87.50	7	23.093	12.50
19.000	20.000	0	.000	49	6.187	87.50	7	23.093	12.50
20.000	21.000	2	20.315	51	6.741	91.07	7	23.093	12.50
21.000	22.000	1	21.800	52	7.030	92.86	5	24.204	8.93
22.000	23.000	2	22.070	54	7.587	96.43	4	24.805	7.14
23.000	24.000	0	.000	54	7.587	96.43	2	27.540	3.57
24.000	25.000	0	.000	54	7.587	96.43	2	27.540	3.57
25.000	26.000	0	.000	54	7.587	96.43	2	27.540	3.57
26.000	27.000	1	26.910	55	7.939	98.21	2	27.540	3.57
27.000	28.000	0	.000	55	7.939	98.21	1	28.170	1.79
28.000	29.000	1	28.170	56	8.300	100.00	1	28.170	1.79
29.000	28.170	0	.000	56	8.300	100.00	0	28.170	.00

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30

Exploration Data Manager

By GEMCOM SERVICES INC.

Curragh Resources In

10:32:22 Serial no: 20320

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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

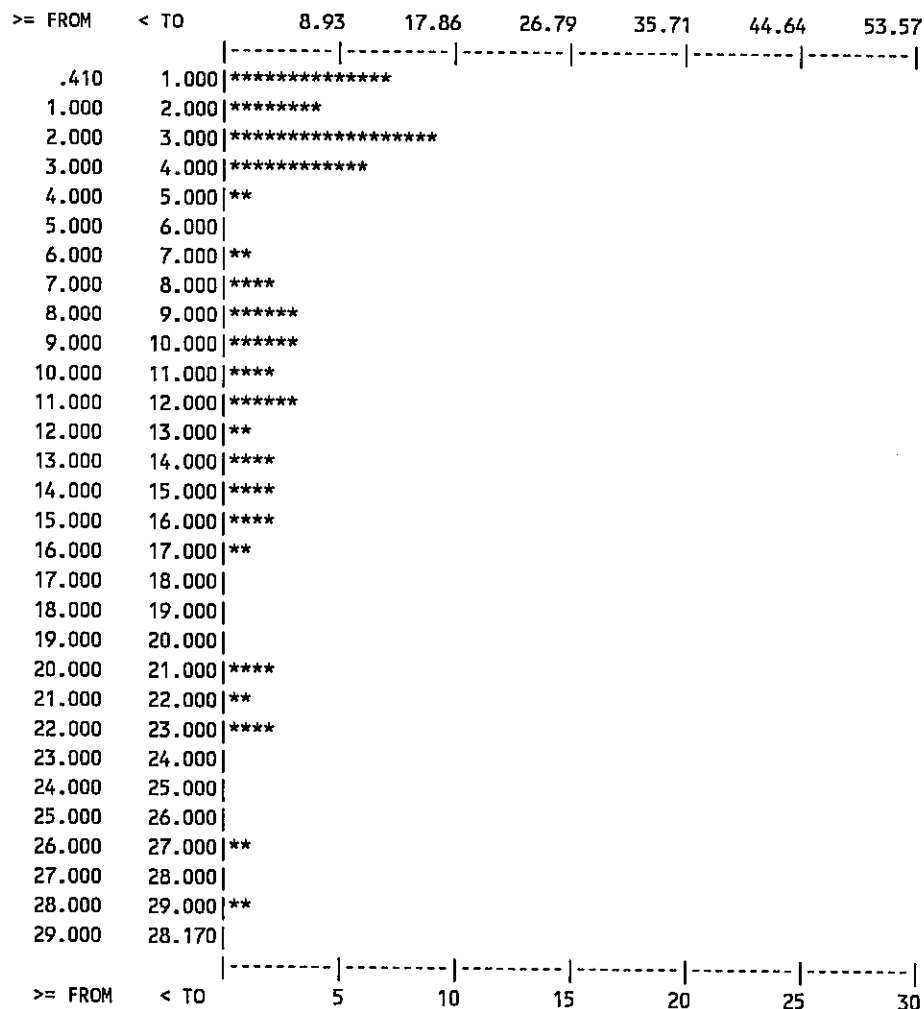
EXTRACTION FILENAME : e:\grum\extract\pbzn8.mex

DATA DESCRIPTION : pb+zn% for rock type 8 - assays

USER DESCRIPTION : %Pb+Zn for rock type 8

NORMAL HISTOGRAM

FREQUENCY .8929 PERCENT PER STAR



.5000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                      Curragh Resources In
Exploration Data Manager                  10:31: 0   Serial no: 20320
By GEMCOM SERVICES INC.                 2/ 8/91   Page :    1
***                                     GRUM DRILLHOLE DATABASE                                     ***
***                                     ***                                     ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn7.mex
 DATA DESCRIPTION : pb+zn% for rock type 7 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 7

DATA VALUES ENTERED

```

-----
MINIMUM CUTOFF VALUE      :      .590
MAXIMUM CUTOFF VALUE      :     41.600
TOTAL NUMBER OF SAMPLES USED :      930

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :     45.000
CLASS INTERVAL            :      1.000

MINIMUM POPULATION DATA POINT :      .590
MAXIMUM POPULATION DATA POINT :     41.600
TOTAL POPULATION          :      930

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	930	
ARITHMETIC MEAN	13.5883	13.6197
MEDIAN		13.2680
GEOMETRIC MEAN	12.5196	12.5499
NATURAL LOG MEAN	2.5273	2.5297
STANDARD DEVIATION	5.2251	5.2366
VARIANCE	27.3018	27.4216
COEFFICIENT OF VARIATION	.3845	.3845
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	27.3018	27.4216
MOMENT 3 ABOUT ARITHMETIC MEAN	134.2982	133.4752
MOMENT 4 ABOUT ARITHMETIC MEAN	4152.5560	4159.4300
MOMENT COEFFICIENT OF SKEWNESS	.9414	.9295
MOMENT COEFFICIENT OF KURTOSIS	5.5710	5.5316

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
10:31: 3 Serial no: 20320
2/ 8/91 Page : 2

GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn7.mex
DATA DESCRIPTION : pb+zn% for rock type 7 - assays
USER DESCRIPTION : %Pb+Zn for rock type 7

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND					>= LOWER BND		
		<-INCREMENTAL->		<-----INCREASING----->			<-----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.590	1.000	1	.590	1	.590	.11	930	13.588	100.00
1.000	2.000	5	1.414	6	1.277	.65	929	13.602	99.89
2.000	3.000	3	2.833	9	1.796	.97	924	13.668	99.35
3.000	4.000	11	3.564	20	2.768	2.15	921	13.704	99.03
4.000	5.000	10	4.654	30	3.397	3.23	910	13.826	97.85
5.000	6.000	20	5.596	50	4.276	5.38	900	13.928	96.77
6.000	7.000	19	6.336	69	4.844	7.42	880	14.117	94.62
7.000	8.000	35	7.503	104	5.738	11.18	861	14.289	92.58
8.000	9.000	56	8.467	160	6.693	17.20	826	14.577	88.82
9.000	10.000	47	9.523	207	7.336	22.26	770	15.021	82.80
10.000	11.000	66	10.461	273	8.092	29.35	723	15.378	77.74
11.000	12.000	75	11.460	348	8.817	37.42	657	15.872	70.65
12.000	13.000	91	12.495	439	9.580	47.20	582	16.441	62.58
13.000	14.000	97	13.499	536	10.289	57.63	491	17.172	52.80
14.000	15.000	90	14.435	626	10.885	67.31	394	18.077	42.37
15.000	16.000	69	15.451	695	11.338	74.73	304	19.155	32.69
16.000	17.000	50	16.493	745	11.684	80.11	235	20.242	25.27
17.000	18.000	42	17.421	787	11.991	84.62	185	21.255	19.89
18.000	19.000	34	18.278	821	12.251	88.28	143	22.381	15.38
19.000	20.000	21	19.381	842	12.429	90.54	109	23.661	11.72
20.000	21.000	14	20.541	856	12.561	92.04	88	24.683	9.46
21.000	22.000	14	21.542	870	12.706	93.55	74	25.466	7.96

NB : (GM) - GEOMETRIC MEAN

GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn7.mex

DATA DESCRIPTION : pb+zn% for rock type 7 - assays

USER DESCRIPTION : %Pb+Zn for rock type 7

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND <-INCREMENTAL-><-----INCREASING-----><-----DECREASING----->						>= LOWER BND		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	
22.000	23.000	12	22.427	882	12.838	94.84	60	26.382	6.45	
23.000	24.000	10	23.435	892	12.957	95.91	48	27.370	5.16	
24.000	25.000	6	24.662	898	13.035	96.56	38	28.406	4.09	
25.000	26.000	9	25.448	907	13.158	97.53	32	29.108	3.44	
26.000	27.000	4	26.525	911	13.217	97.96	23	30.540	2.47	
27.000	28.000	3	27.507	914	13.264	98.28	19	31.385	2.04	
28.000	29.000	4	28.412	918	13.330	98.71	16	32.113	1.72	
29.000	30.000	2	29.500	920	13.365	98.92	12	33.346	1.29	
30.000	31.000	2	30.600	922	13.403	99.14	10	34.115	1.08	
31.000	32.000	1	31.350	923	13.422	99.25	8	34.994	.86	
32.000	33.000	3	32.133	926	13.483	99.57	7	35.515	.75	
33.000	34.000	0	.000	926	13.483	99.57	4	38.050	.43	
34.000	35.000	0	.000	926	13.483	99.57	4	38.050	.43	
35.000	36.000	1	35.500	927	13.506	99.68	4	38.050	.43	
36.000	37.000	1	36.600	928	13.531	99.78	3	38.900	.32	
37.000	38.000	0	.000	928	13.531	99.78	2	40.051	.22	
38.000	39.000	1	38.500	929	13.558	99.89	2	40.051	.22	
39.000	40.000	0	.000	929	13.558	99.89	1	41.602	.11	
40.000	41.000	0	.000	929	13.558	99.89	1	41.602	.11	
41.000	42.000	1	41.600	930	13.588	100.00	1	41.602	.11	
42.000	43.000	0	.000	930	13.588	100.00	0	41.602	.00	
43.000	44.000	0	.000	930	13.588	100.00	0	41.602	.00	
44.000	41.600	0	.000	930	13.588	100.00	0	41.602	.00	

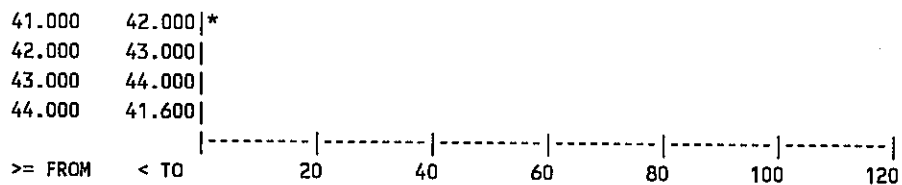
NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn7.mex
 DATA DESCRIPTION : pb+zn% for rock type 7 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 7

NORMAL HISTOGRAM

		FREQUENCY .2151 PERCENT PER STAR					
>= FROM	< TO	2.15	4.30	6.45	8.60	10.75	12.90
.590	1.000	----- ----- ----- ----- -----					
1.000	2.000	----- ----- ----- ----- -----					
2.000	3.000	----- ----- ----- ----- -----					
3.000	4.000	----- ----- ----- ----- -----					
4.000	5.000	----- ----- ----- ----- -----					
5.000	6.000	----- ----- ----- ----- -----					
6.000	7.000	----- ----- ----- ----- -----					
7.000	8.000	----- ----- ----- ----- -----					
8.000	9.000	----- ----- ----- ----- -----					
9.000	10.000	----- ----- ----- ----- -----					
10.000	11.000	----- ----- ----- ----- -----					
11.000	12.000	----- ----- ----- ----- -----					
12.000	13.000	----- ----- ----- ----- -----					
13.000	14.000	----- ----- ----- ----- -----					
14.000	15.000	----- ----- ----- ----- -----					
15.000	16.000	----- ----- ----- ----- -----					
16.000	17.000	----- ----- ----- ----- -----					
17.000	18.000	----- ----- ----- ----- -----					
18.000	19.000	----- ----- ----- ----- -----					
19.000	20.000	----- ----- ----- ----- -----					
20.000	21.000	----- ----- ----- ----- -----					
21.000	22.000	----- ----- ----- ----- -----					
22.000	23.000	----- ----- ----- ----- -----					
23.000	24.000	----- ----- ----- ----- -----					
24.000	25.000	----- ----- ----- ----- -----					
25.000	26.000	----- ----- ----- ----- -----					
26.000	27.000	----- ----- ----- ----- -----					
27.000	28.000	----- ----- ----- ----- -----					
28.000	29.000	----- ----- ----- ----- -----					
29.000	30.000	----- ----- ----- ----- -----					
30.000	31.000	----- ----- ----- ----- -----					
31.000	32.000	----- ----- ----- ----- -----					
32.000	33.000	----- ----- ----- ----- -----					
33.000	34.000	----- ----- ----- ----- -----					
34.000	35.000	----- ----- ----- ----- -----					
35.000	36.000	----- ----- ----- ----- -----					
36.000	37.000	----- ----- ----- ----- -----					
37.000	38.000	----- ----- ----- ----- -----					
38.000	39.000	----- ----- ----- ----- -----					
39.000	40.000	----- ----- ----- ----- -----					
40.000	41.000	----- ----- ----- ----- -----					



CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn6.mex
DATA DESCRIPTION : pb+zn% for rock type 6 - assays
USER DESCRIPTION : %Pb+Zn for rock type 6

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	.240
MAXIMUM CUTOFF VALUE	:	37.000
TOTAL NUMBER OF SAMPLES USED	:	107
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	40.000
CLASS INTERVAL	:	1.000
MINIMUM POPULATION DATA POINT	:	.240
MAXIMUM POPULATION DATA POINT	:	37.000
TOTAL POPULATION	:	107

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	107	
ARITHMETIC MEAN	7.7799	7.7879
MEDIAN		5.5000
GEOMETRIC MEAN	4.3085	4.4257
NATURAL LOG MEAN	1.4606	1.4874
STANDARD DEVIATION	7.6728	7.6861
VARIANCE	58.8723	59.0762
COEFFICIENT OF VARIATION	.9862	.9869
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	58.8723	59.0762
MOMENT 3 ABOUT ARITHMETIC MEAN	634.1029	648.8402
MOMENT 4 ABOUT ARITHMETIC MEAN	16290.2100	16695.1000
MOMENT COEFFICIENT OF SKEWNESS	1.4038	1.4290
MOMENT COEFFICIENT OF KURTOSIS	4.7001	4.7837

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
10:29:33 Serial no: 20320
2/ 8/91 Page : 2

GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn6.mex
DATA DESCRIPTION : pb+zn% for rock type 6 - assays
USER DESCRIPTION : %Pb+Zn for rock type 6

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND --INCREMENTAL--<-----INCREASING----->----->= LOWER BND --DECREASING----->							
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.240	1.000	15	.577	15	.577	14.02	107	7.780	100.00
1.000	2.000	15	1.467	30	1.022	28.04	92	8.954	85.98
2.000	3.000	12	2.402	42	1.416	39.25	77	10.413	71.96
3.000	4.000	5	3.518	47	1.640	43.93	65	11.892	60.75
4.000	5.000	4	4.852	51	1.892	47.66	60	12.589	56.07
5.000	6.000	5	5.380	56	2.203	52.34	56	13.142	52.34
6.000	7.000	5	6.626	61	2.566	57.01	51	13.903	47.66
7.000	8.000	6	7.598	67	3.017	62.62	46	14.694	42.99
8.000	9.000	5	8.608	72	3.405	67.29	40	15.758	37.38
9.000	10.000	2	9.590	74	3.572	69.16	35	16.780	32.71
10.000	11.000	4	10.680	78	3.937	72.90	33	17.216	30.84
11.000	12.000	5	11.406	83	4.387	77.57	29	18.117	27.10
12.000	13.000	3	12.537	86	4.671	80.37	24	19.515	22.43
13.000	14.000	4	13.555	90	5.066	84.11	21	20.512	19.63
14.000	15.000	2	14.070	92	5.261	85.98	17	22.149	15.89
15.000	16.000	0	.000	92	5.261	85.98	15	23.227	14.02
16.000	17.000	2	16.635	94	5.503	87.85	15	23.227	14.02
17.000	18.000	1	17.900	95	5.634	88.79	13	24.241	12.15
18.000	19.000	1	18.000	96	5.763	89.72	12	24.769	11.21
19.000	20.000	1	19.200	97	5.901	90.65	11	25.385	10.28

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30

Exploration Data Manager

By GEMCOM SERVICES INC.

Curragh Resources In

10:29:36 Serial no: 20320

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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn6.mex

DATA DESCRIPTION : pb+zn% for rock type 6 - assays

USER DESCRIPTION : %Pb+Zn for rock type 6

FREQUENCY DISTRIBUTIONS

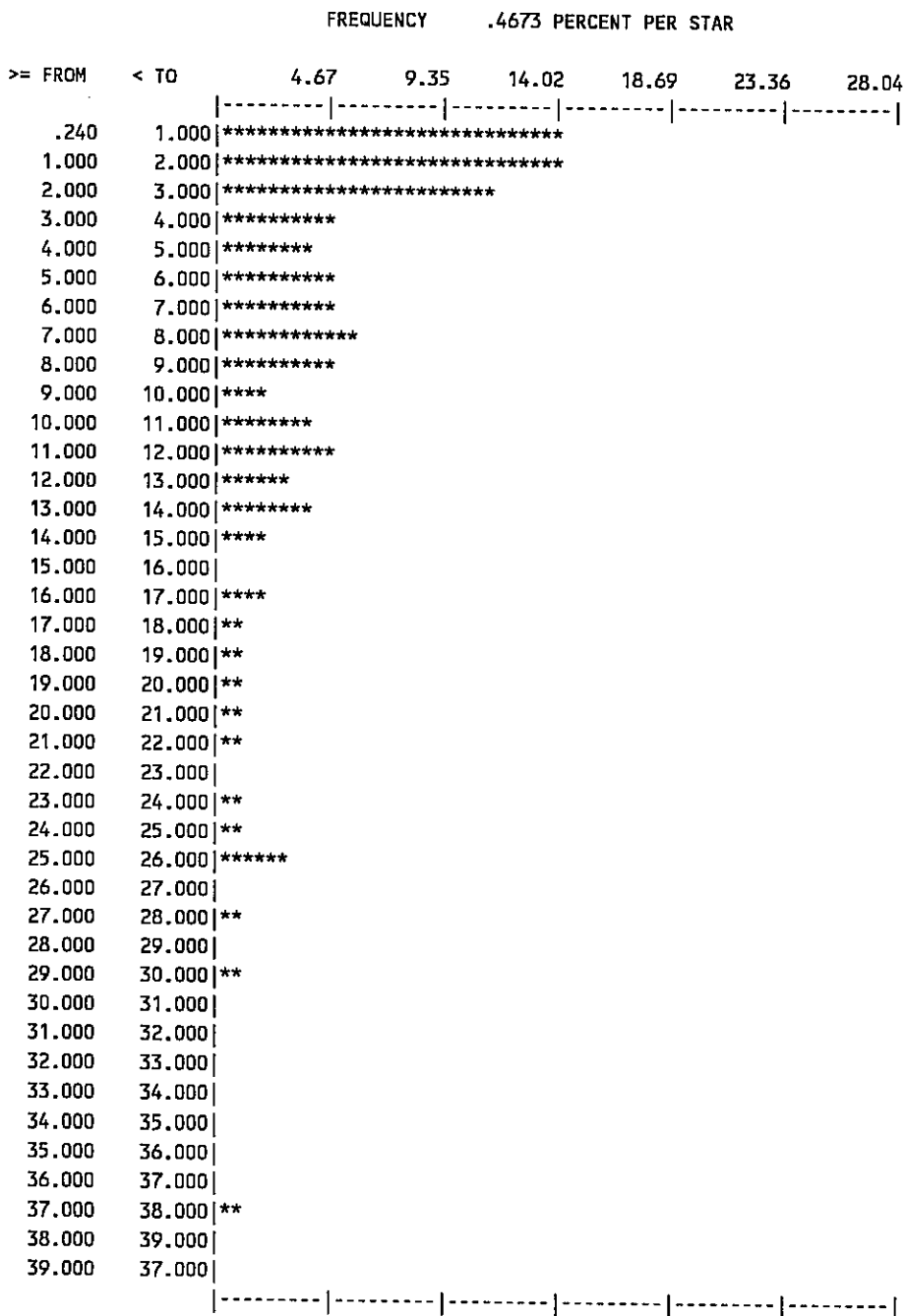
CLASS INTERVAL >= FROM < TO		<-INCREMENTAL->		< UPPER BND -----INCREASING----->			>= LOWER BND -----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
20.000	21.000	1	20.310	98	6.048	91.59	10	26.003	9.35
21.000	22.000	1	21.300	99	6.202	92.52	9	26.636	8.41
22.000	23.000	0	.000	99	6.202	92.52	8	27.302	7.48
23.000	24.000	1	23.300	100	6.373	93.46	8	27.302	7.48
24.000	25.000	1	24.200	101	6.550	94.39	7	27.874	6.54
25.000	26.000	3	25.440	104	7.095	97.20	6	28.487	5.61
26.000	27.000	0	.000	104	7.095	97.20	3	31.533	2.80
27.000	28.000	1	27.900	105	7.293	98.13	3	31.533	2.80
28.000	29.000	0	.000	105	7.293	98.13	2	33.350	1.87
29.000	30.000	1	29.700	106	7.504	99.07	2	33.350	1.87
30.000	31.000	0	.000	106	7.504	99.07	1	37.000	.93
31.000	32.000	0	.000	106	7.504	99.07	1	37.000	.93
32.000	33.000	0	.000	106	7.504	99.07	1	37.000	.93
33.000	34.000	0	.000	106	7.504	99.07	1	37.000	.93
34.000	35.000	0	.000	106	7.504	99.07	1	37.000	.93
35.000	36.000	0	.000	106	7.504	99.07	1	37.000	.93
36.000	37.000	0	.000	106	7.504	99.07	1	37.000	.93
37.000	38.000	1	37.000	107	7.780	100.00	1	37.000	.93
38.000	39.000	0	.000	107	7.780	100.00	0	37.000	.00
39.000	37.000	0	.000	107	7.780	100.00	0	37.000	.00

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn6.mex
DATA DESCRIPTION : pb+zn% for rock type 6 - assays
USER DESCRIPTION : %Pb+Zn for rock type 6

NORMAL HISTOGRAM



>= FROM < TO 5 10 15 20 25 30

.5000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:28: 1   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :    1
***
***          GRUM DRILLHOLE DATABASE          ***
***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn5.mex
 DATA DESCRIPTION : pb+zn% for rock type 5 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 5

DATA VALUES ENTERED

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-----
MINIMUM CUTOFF VALUE      :      .060
MAXIMUM CUTOFF VALUE      :      45.000
TOTAL NUMBER OF SAMPLES USED :      2081

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :      45.000
CLASS INTERVAL            :      1.000

MINIMUM POPULATION DATA POINT :      .060
MAXIMUM POPULATION DATA POINT :      45.000
TOTAL POPULATION          :      2081

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	2081	
ARITHMETIC MEAN	11.9729	11.9925
MEDIAN		10.5617
GEOMETRIC MEAN	8.6690	8.7191
NATURAL LOG MEAN	2.1598	2.1655
STANDARD DEVIATION	8.1767	8.1850
VARIANCE	66.8583	66.9950
COEFFICIENT OF VARIATION	.6829	.6825
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	66.8583	66.9950
MOMENT 3 ABOUT ARITHMETIC MEAN	396.7854	396.2630
MOMENT 4 ABOUT ARITHMETIC MEAN	13138.4500	13169.8500
MOMENT COEFFICIENT OF SKEWNESS	.7258	.7226
MOMENT COEFFICIENT OF KURTOSIS	2.9392	2.9342

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:28: 4   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :    2
***
GRUM DRILLHOLE DATABASE                               ***
***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn5.mex
 DATA DESCRIPTION : pb+zn% for rock type 5 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 5

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND						>= LOWER BND		
		<-INCREMENTAL-><-----INCREASING-----><-----DECREASING----->								
		COUNT	MEAN	CUM	CUM	CUM	FREQ	CUM	CUM	FREQ
		COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT
.060	1.000	66	.591	66	.591	3.17	2081	11.973	100.00	
1.000	2.000	92	1.491	158	1.115	7.59	2015	12.346	96.83	
2.000	3.000	108	2.526	266	1.688	12.78	1923	12.865	92.41	
3.000	4.000	103	3.516	369	2.198	17.73	1815	13.480	87.22	
4.000	5.000	107	4.481	476	2.711	22.87	1712	14.080	82.27	
5.000	6.000	124	5.478	600	3.283	28.83	1605	14.720	77.13	
6.000	7.000	106	6.503	706	3.767	33.93	1481	15.493	71.17	
7.000	8.000	107	7.459	813	4.253	39.07	1375	16.186	66.07	
8.000	9.000	91	8.484	904	4.679	43.44	1268	16.923	60.93	
9.000	10.000	91	9.455	995	5.115	47.81	1177	17.575	56.56	
10.000	11.000	81	10.495	1076	5.520	51.71	1086	18.256	52.19	
11.000	12.000	98	11.455	1174	6.016	56.42	1005	18.881	48.29	
12.000	13.000	80	12.441	1254	6.426	60.26	907	19.684	43.58	
13.000	14.000	81	13.431	1335	6.851	64.15	827	20.384	39.74	
14.000	15.000	69	14.495	1404	7.227	67.47	746	21.139	35.85	
15.000	16.000	65	15.485	1469	7.592	70.59	677	21.816	32.53	
16.000	17.000	62	16.479	1531	7.952	73.57	612	22.489	29.41	
17.000	18.000	68	17.453	1599	8.356	76.84	550	23.166	26.43	
18.000	19.000	53	18.494	1652	8.681	79.38	482	23.972	23.16	
19.000	20.000	58	19.478	1710	9.047	82.17	429	24.649	20.62	
20.000	21.000	46	20.457	1756	9.346	84.38	371	25.457	17.83	
21.000	22.000	47	21.457	1803	9.662	86.64	325	26.165	15.62	

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
10:28: 8 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn5.mex
DATA DESCRIPTION : pb+zn% for rock type 5 - assays
USER DESCRIPTION : %Pb+Zn for rock type 5

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		<--INCREMENTAL--><-----INCREASING-----><-----DECREASING----->			>= LOWER BND			>= LOWER BND		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT
22.000	23.000	31	22.530	1834	9.879	88.13	278	26.961	13.36	
23.000	24.000	46	23.517	1880	10.213	90.34	247	27.517	11.87	
24.000	25.000	37	24.406	1917	10.487	92.12	201	28.432	9.66	
25.000	26.000	29	25.456	1946	10.710	93.51	164	29.340	7.88	
26.000	27.000	23	26.465	1969	10.894	94.62	135	30.175	6.49	
27.000	28.000	22	27.545	1991	11.078	95.68	112	30.937	5.38	
28.000	29.000	19	28.426	2010	11.242	96.59	90	31.766	4.32	
29.000	30.000	22	29.443	2032	11.439	97.65	71	32.660	3.41	
30.000	31.000	7	30.386	2039	11.504	97.98	49	34.104	2.35	
31.000	32.000	8	31.480	2047	11.582	98.37	42	34.724	2.02	
32.000	33.000	5	32.580	2052	11.633	98.61	34	35.487	1.63	
33.000	34.000	4	33.445	2056	11.676	98.80	29	35.988	1.39	
34.000	35.000	8	34.354	2064	11.764	99.18	25	36.395	1.20	
35.000	36.000	3	35.467	2067	11.798	99.33	17	37.356	.82	
36.000	37.000	8	36.449	2075	11.893	99.71	14	37.761	.67	
37.000	38.000	3	37.620	2078	11.930	99.86	6	39.510	.29	
38.000	39.000	0	.000	2078	11.930	99.86	3	41.401	.14	
39.000	40.000	1	39.200	2079	11.943	99.90	3	41.401	.14	
40.000	41.000	1	40.000	2080	11.957	99.95	2	42.501	.10	
41.000	42.000	0	.000	2080	11.957	99.95	1	45.003	.05	
42.000	43.000	0	.000	2080	11.957	99.95	1	45.003	.05	
43.000	44.000	0	.000	2080	11.957	99.95	1	45.003	.05	
44.000	45.000	1	45.000	2081	11.973	100.00	1	45.003	.05	

NB : (GM) - GEOMETRIC MEAN

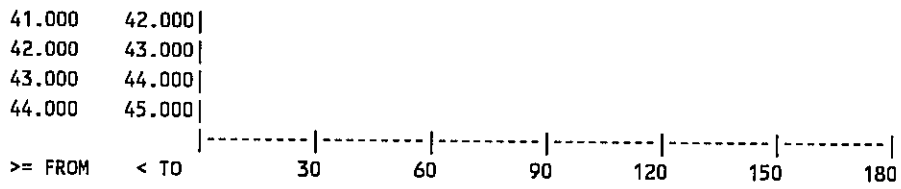
CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn5.mex
 DATA DESCRIPTION : pb+zn% for rock type 5 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 5

NORMAL HISTOGRAM

FREQUENCY .1442 PERCENT PER STAR

>= FROM	< TO	1.44	2.88	4.32	5.77	7.21	8.65
		----- ----- ----- ----- ----- -----					
.060	1.000	*****					
1.000	2.000	*****					
2.000	3.000	*****					
3.000	4.000	*****					
4.000	5.000	*****					
5.000	6.000	*****					
6.000	7.000	*****					
7.000	8.000	*****					
8.000	9.000	*****					
9.000	10.000	*****					
10.000	11.000	*****					
11.000	12.000	*****					
12.000	13.000	*****					
13.000	14.000	*****					
14.000	15.000	*****					
15.000	16.000	*****					
16.000	17.000	*****					
17.000	18.000	*****					
18.000	19.000	*****					
19.000	20.000	*****					
20.000	21.000	*****					
21.000	22.000	*****					
22.000	23.000	*****					
23.000	24.000	*****					
24.000	25.000	*****					
25.000	26.000	*****					
26.000	27.000	*****					
27.000	28.000	*****					
28.000	29.000	*****					
29.000	30.000	*****					
30.000	31.000	**					
31.000	32.000	***					
32.000	33.000	**					
33.000	34.000	*					
34.000	35.000	***					
35.000	36.000	*					
36.000	37.000	***					
37.000	38.000	*					
38.000	39.000						
39.000	40.000						
40.000	41.000						



3.0000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:26:41   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :    1
***
GRUM DRILLHOLE DATABASE                               ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn4.mex
 DATA DESCRIPTION : pb+zn% for rock type 4 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 4

DATA VALUES ENTERED

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-----
MINIMUM CUTOFF VALUE      :      .640
MAXIMUM CUTOFF VALUE      :      3.570
TOTAL NUMBER OF SAMPLES USED :      4

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :      5.000
CLASS INTERVAL            :      1.000

MINIMUM POPULATION DATA POINT :      .640
MAXIMUM POPULATION DATA POINT :      3.570
TOTAL POPULATION           :      4

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	4	
ARITHMETIC MEAN	1.9700	2.0800
MEDIAN		2.0000
GEOMETRIC MEAN	1.5921	1.8112
NATURAL LOG MEAN	.4651	.5940
STANDARD DEVIATION	1.1700	1.0145
VARIANCE	1.3688	1.0292
COEFFICIENT OF VARIATION	.5939	.4877
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	1.3688	1.0292
MOMENT 3 ABOUT ARITHMETIC MEAN	.3222	.1855
MOMENT 4 ABOUT ARITHMETIC MEAN	2.6052	1.6827
MOMENT COEFFICIENT OF SKEWNESS	.2012	.1776
MOMENT COEFFICIENT OF KURTOSIS	1.3904	1.5885

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:26:45   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :    2
***          GRUM DRILLHOLE DATABASE          ***
***          ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn4.mex
 DATA DESCRIPTION : pb+zn% for rock type 4 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 4

FREQUENCY DISTRIBUTIONS

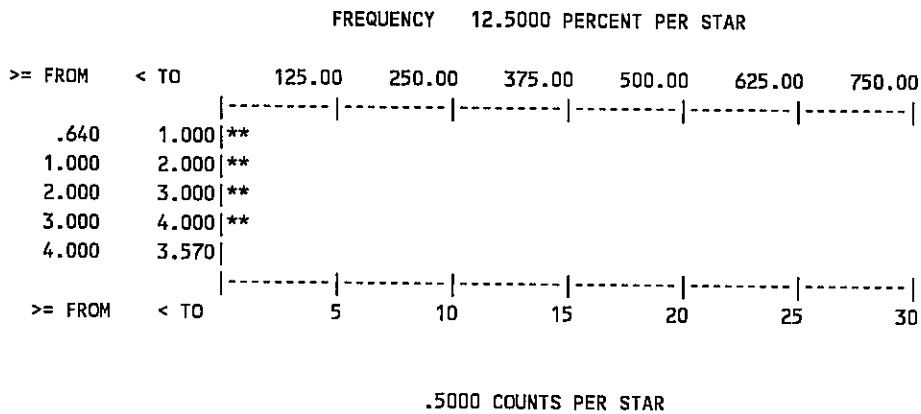
CLASS INTERVAL		< UPPER BND					>= LOWER BND		
		<-INCREMENTAL->		<-----INCREASING----->			<-----DECREASING----->		
>= FROM	< TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.640	1.000	1	.640	1	.640	25.00	4	1.970	100.00
1.000	2.000	1	1.090	2	.865	50.00	3	2.413	75.00
2.000	3.000	1	2.580	3	1.437	75.00	2	3.075	50.00
3.000	4.000	1	3.570	4	1.970	100.00	1	3.570	25.00
4.000	3.570	0	.000	4	1.970	100.00	0	3.570	.00

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn4.mex
 DATA DESCRIPTION : pb+zn% for rock type 4 - assays
 USER DESCRIPTION : %Pb+Zn for rock type 4

NORMAL HISTOGRAM



PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
10:38:19 Serial no: 20320
2/ 8/91 Page : 1

*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn44_7.mex
DATA DESCRIPTION : pb+zn% for roc types 44-47 (metabasite) - assays
USER DESCRIPTION : %Pb+Zn for greenstones

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE : .020
MAXIMUM CUTOFF VALUE : 27.700
TOTAL NUMBER OF SAMPLES USED : 323

MINIMUM HISTOGRAM VALUE : .000
MAXIMUM HISTOGRAM VALUE : 30.000
CLASS INTERVAL : 1.000

MINIMUM POPULATION DATA POINT : .020
MAXIMUM POPULATION DATA POINT : 27.700
TOTAL POPULATION : 323

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	323	
ARITHMETIC MEAN	2.7138	2.7696
MEDIAN		1.9211
GEOMETRIC MEAN	1.5238	1.7252
NATURAL LOG MEAN	.4212	.5453
STANDARD DEVIATION	2.9228	2.9063
VARIANCE	8.5430	8.4463
COEFFICIENT OF VARIATION	1.0770	1.0493
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	8.5430	8.4463
MOMENT 3 ABOUT ARITHMETIC MEAN	76.7041	74.8171
MOMENT 4 ABOUT ARITHMETIC MEAN	1528.7930	1468.0690
MOMENT COEFFICIENT OF SKEWNESS	3.0719	3.0479
MOMENT COEFFICIENT OF KURTOSIS	20.9475	20.5783

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
10:38:23 Serial no: 20320
2/ 8/91 Page : 2

GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn44_7.mex
DATA DESCRIPTION : pb+zn% for roc types 44-47 (metabasite) - assays
USER DESCRIPTION : %Pb+Zn for greenstones

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		<-- INCREMENTAL-->			< UPPER BND ----- INCREASING----->			>= LOWER BND ----- DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	
.020	1.000	109	.466	109	.466	33.75	323	2.714	100.00	
1.000	2.000	57	1.442	166	.801	51.39	214	3.859	66.25	
2.000	3.000	45	2.419	211	1.146	65.33	157	4.736	48.61	
3.000	4.000	34	3.474	245	1.469	75.85	112	5.667	34.67	
4.000	5.000	24	4.460	269	1.736	83.28	78	6.623	24.15	
5.000	6.000	20	5.392	289	1.989	89.47	54	7.584	16.72	
6.000	7.000	9	6.392	298	2.122	92.26	34	8.873	10.53	
7.000	8.000	14	7.409	312	2.359	96.59	25	9.766	7.74	
8.000	9.000	2	8.415	314	2.398	97.21	11	12.767	3.41	
9.000	10.000	1	9.420	315	2.420	97.52	9	13.734	2.79	
10.000	11.000	1	10.240	316	2.445	97.83	8	14.274	2.48	
11.000	12.000	4	11.592	320	2.559	99.07	7	14.850	2.17	
12.000	13.000	1	12.200	321	2.589	99.38	3	19.193	.93	
13.000	14.000	0	.000	321	2.589	99.38	2	22.690	.62	
14.000	15.000	0	.000	321	2.589	99.38	2	22.690	.62	
15.000	16.000	0	.000	321	2.589	99.38	2	22.690	.62	
16.000	17.000	0	.000	321	2.589	99.38	2	22.690	.62	
17.000	18.000	1	17.680	322	2.636	99.69	2	22.690	.62	
18.000	19.000	0	.000	322	2.636	99.69	1	27.700	.31	
19.000	20.000	0	.000	322	2.636	99.69	1	27.700	.31	
20.000	21.000	0	.000	322	2.636	99.69	1	27.700	.31	
21.000	22.000	0	.000	322	2.636	99.69	1	27.700	.31	
22.000	23.000	0	.000	322	2.636	99.69	1	27.700	.31	
23.000	24.000	0	.000	322	2.636	99.69	1	27.700	.31	
24.000	25.000	0	.000	322	2.636	99.69	1	27.700	.31	
25.000	26.000	0	.000	322	2.636	99.69	1	27.700	.31	
26.000	27.000	0	.000	322	2.636	99.69	1	27.700	.31	
27.000	28.000	1	27.700	323	2.714	100.00	1	27.700	.31	
28.000	29.000	0	.000	323	2.714	100.00	0	27.700	.00	
29.000	27.700	0	.000	323	2.714	100.00	0	27.700	.00	

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
10:38:27 Serial no: 20320
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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn44_7.mex
DATA DESCRIPTION : pb+zn% for roc types 44-47 (metabasite) - assays
USER DESCRIPTION : %Pb+Zn for greenstones

NORMAL HISTOGRAM

FREQUENCY .6192 PERCENT PER STAR

```

>= FROM      < TO      6.19      12.38      18.58      24.77      30.96      37.15
|-----|-----|-----|-----|-----|-----|
.020      1.000|*****
1.000      2.000|*****
2.000      3.000|*****
3.000      4.000|*****
4.000      5.000|*****
5.000      6.000|*****
6.000      7.000|*****
7.000      8.000|*****
8.000      9.000|*
9.000     10.000|*
10.000     11.000|*
11.000     12.000|**
12.000     13.000|*
13.000     14.000|
14.000     15.000|
15.000     16.000|
16.000     17.000|
17.000     18.000|*
18.000     19.000|
19.000     20.000|
20.000     21.000|
21.000     22.000|
22.000     23.000|
23.000     24.000|
24.000     25.000|
25.000     26.000|
26.000     27.000|
27.000     28.000|*
28.000     29.000|
29.000     27.700|
|-----|-----|-----|-----|-----|-----|
>= FROM      < TO      20      40      60      80      100      120

```

2.0000 COUNTS PER STAR

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-----
PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:39:48   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :    1
***
*** GRUM DRILLHOLE DATABASE ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn52_4.mex
 DATA DESCRIPTION : pb+zn% for rock types 52-54 (altered phyllite) - assays
 USER DESCRIPTION : %Pb+Zn for 4L rock types

DATA VALUES ENTERED

```

-----
MINIMUM CUTOFF VALUE      :      .020
MAXIMUM CUTOFF VALUE      :     25.220
TOTAL NUMBER OF SAMPLES USED :      864

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :     30.000
CLASS INTERVAL            :      1.000

MINIMUM POPULATION DATA POINT :      .020
MAXIMUM POPULATION DATA POINT :     25.220
TOTAL POPULATION          :      864

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	864	
ARITHMETIC MEAN	2.8690	2.9302
MEDIAN		1.9824
GEOMETRIC MEAN	1.4645	1.8285
NATURAL LOG MEAN	.3815	.6035
STANDARD DEVIATION	3.0393	3.0005
VARIANCE	9.2373	9.0030
COEFFICIENT OF VARIATION	1.0594	1.0240
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	9.2373	9.0030
MOMENT 3 ABOUT ARITHMETIC MEAN	63.9494	63.1273
MOMENT 4 ABOUT ARITHMETIC MEAN	965.1101	942.5400
MOMENT COEFFICIENT OF SKEWNESS	2.2778	2.3369
MOMENT COEFFICIENT OF KURTOSIS	11.3106	11.6286

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
10:39:51 Serial no: 20320
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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn52_4.mex
DATA DESCRIPTION : pb+zn% for rock types 52-54 (altered phyllite) - assays
USER DESCRIPTION : %Pb+Zn for 4L rock types

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND					>= LOWER BND		
		<-INCREMENTAL->		<-----INCREASING----->			<-----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.020	1.000	265	.401	265	.401	30.67	864	2.869	100.00
1.000	2.000	170	1.438	435	.806	50.35	599	3.961	69.33
2.000	3.000	125	2.461	560	1.176	64.81	429	4.961	49.65
3.000	4.000	81	3.498	641	1.469	74.19	304	5.988	35.19
4.000	5.000	65	4.460	706	1.744	81.71	223	6.893	25.81
5.000	6.000	55	5.409	761	2.009	88.08	158	7.894	18.29
6.000	7.000	36	6.518	797	2.213	92.25	103	9.221	11.92
7.000	8.000	13	7.492	810	2.298	93.75	67	10.673	7.75
8.000	9.000	13	8.531	823	2.396	95.25	54	11.439	6.25
9.000	10.000	10	9.397	833	2.480	96.41	41	12.360	4.75
10.000	11.000	7	10.434	840	2.546	97.22	31	13.316	3.59
11.000	12.000	7	11.447	847	2.620	98.03	24	14.157	2.78
12.000	13.000	6	12.365	853	2.689	98.73	17	15.273	1.97
13.000	14.000	2	13.675	855	2.714	98.96	11	16.859	1.27
14.000	15.000	4	14.432	859	2.769	99.42	9	17.567	1.04
15.000	16.000	2	15.825	861	2.799	99.65	5	20.074	.58
16.000	17.000	0	.000	861	2.799	99.65	3	22.907	.35
17.000	18.000	0	.000	861	2.799	99.65	3	22.907	.35
18.000	19.000	0	.000	861	2.799	99.65	3	22.907	.35
19.000	20.000	0	.000	861	2.799	99.65	3	22.907	.35
20.000	21.000	1	20.600	862	2.820	99.77	3	22.907	.35
21.000	22.000	0	.000	862	2.820	99.77	2	24.060	.23
22.000	23.000	1	22.900	863	2.843	99.88	2	24.060	.23
23.000	24.000	0	.000	863	2.843	99.88	1	25.220	.12
24.000	25.000	0	.000	863	2.843	99.88	1	25.220	.12
25.000	26.000	1	25.220	864	2.869	100.00	1	25.220	.12
26.000	27.000	0	.000	864	2.869	100.00	0	25.220	.00
27.000	28.000	0	.000	864	2.869	100.00	0	25.220	.00
28.000	29.000	0	.000	864	2.869	100.00	0	25.220	.00
29.000	25.220	0	.000	864	2.869	100.00	0	25.220	.00

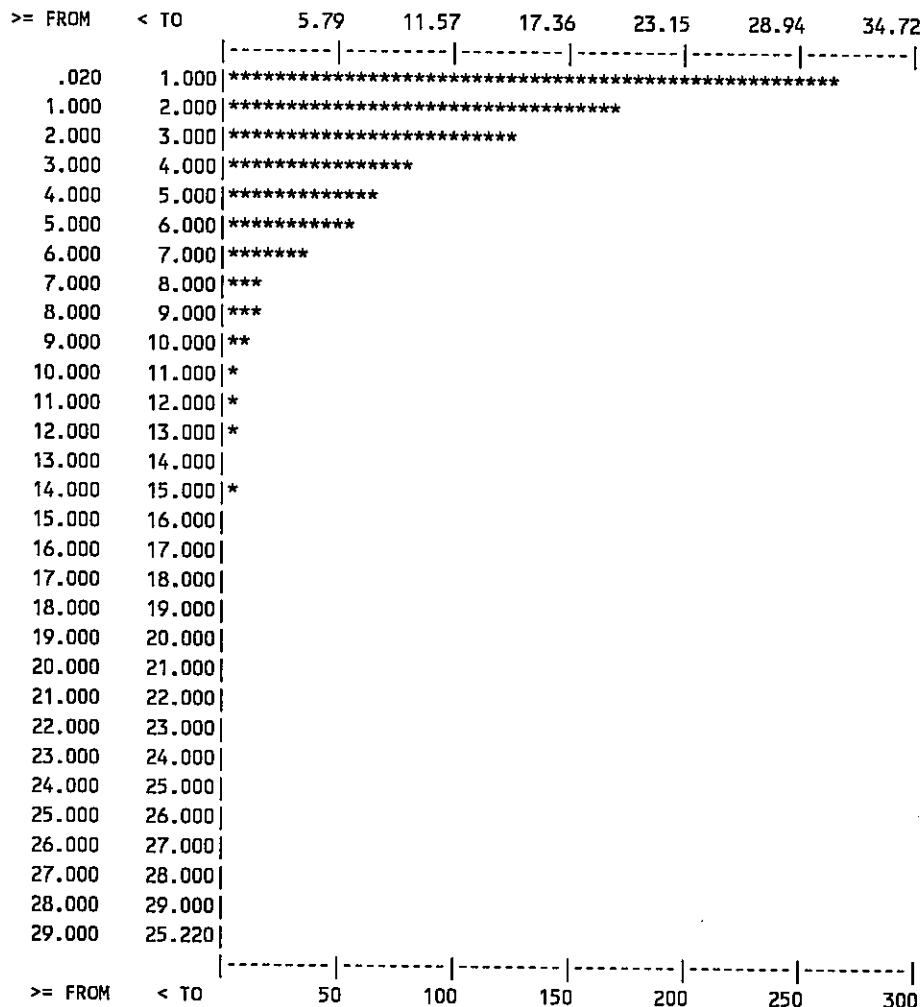
NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn52_4.mex
 DATA DESCRIPTION : pb+zn% for rock types 52-54 (altered phyllite) - assays
 USER DESCRIPTION : %Pb+Zn for 4L rock types

NORMAL HISTOGRAM

FREQUENCY .5787 PERCENT PER STAR



5.0000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             10:41: 9   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :    1
***
GRUM DRILLHOLE DATABASE                               ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn72_6.mex
 DATA DESCRIPTION : pb+zn% for rock types 72-76 (fault) - assays
 USER DESCRIPTION : %Pb+Zn for fault rocks

DATA VALUES ENTERED

```

-----
MINIMUM CUTOFF VALUE           :      .270
MAXIMUM CUTOFF VALUE           :     17.750
TOTAL NUMBER OF SAMPLES USED    :      22

MINIMUM HISTOGRAM VALUE        :      .000
MAXIMUM HISTOGRAM VALUE        :     20.000
CLASS INTERVAL                  :      1.000

MINIMUM POPULATION DATA POINT :      .270
MAXIMUM POPULATION DATA POINT :     17.750
TOTAL POPULATION                :      22

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	22	
ARITHMETIC MEAN	4.6877	4.6548
MEDIAN		3.5000
GEOMETRIC MEAN	3.1571	3.2411
NATURAL LOG MEAN	1.1496	1.1759
STANDARD DEVIATION	3.9204	3.9387
VARIANCE	15.3698	15.5131
COEFFICIENT OF VARIATION	.8363	.8462
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	15.3698	15.5131
MOMENT 3 ABOUT ARITHMETIC MEAN	100.3155	99.6020
MOMENT 4 ABOUT ARITHMETIC MEAN	1465.0390	1402.5820
MOMENT COEFFICIENT OF SKEWNESS	1.6648	1.6301
MOMENT COEFFICIENT OF KURTOSIS	6.2017	5.8282

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn72_6.mex
 DATA DESCRIPTION : pb+zn% for rock types 72-76 (fault) - assays
 USER DESCRIPTION : %Pb+Zn for fault rocks

FREQUENCY DISTRIBUTIONS

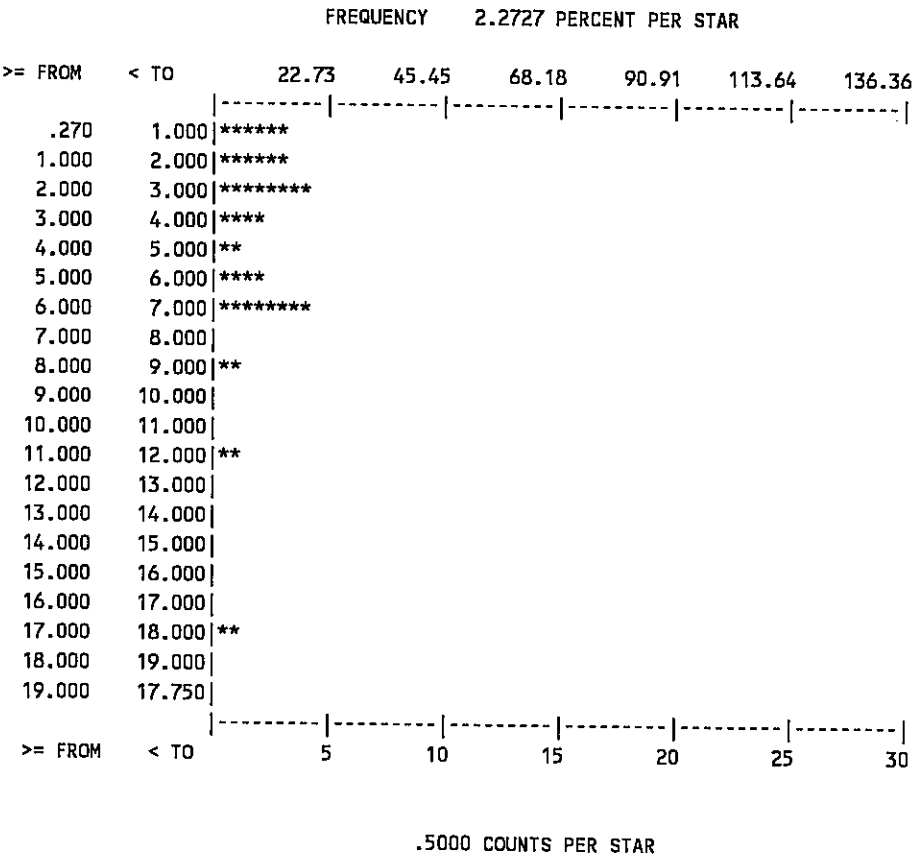
CLASS INTERVAL => FROM < TO		< UPPER BND <-INCREMENTAL-><-----INCREASING-----><-----DECREASING----->						>= LOWER BND	
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.270	1.000	3	.447	3	.447	13.64	22	4.688	100.00
1.000	2.000	3	1.670	6	1.058	27.27	19	5.357	86.36
2.000	3.000	4	2.688	10	1.710	45.45	16	6.049	72.73
3.000	4.000	2	3.705	12	2.043	54.55	12	7.169	54.55
4.000	5.000	1	4.500	13	2.232	59.09	10	7.862	45.45
5.000	6.000	2	5.475	15	2.664	68.18	9	8.236	40.91
6.000	7.000	4	6.552	19	3.483	86.36	7	9.024	31.82
7.000	8.000	0	.000	19	3.483	86.36	3	12.320	13.64
8.000	9.000	1	8.190	20	3.718	90.91	3	12.320	13.64
9.000	10.000	0	.000	20	3.718	90.91	2	14.385	9.09
10.000	11.000	0	.000	20	3.718	90.91	2	14.385	9.09
11.000	12.000	1	11.020	21	4.066	95.45	2	14.385	9.09
12.000	13.000	0	.000	21	4.066	95.45	1	17.750	4.55
13.000	14.000	0	.000	21	4.066	95.45	1	17.750	4.55
14.000	15.000	0	.000	21	4.066	95.45	1	17.750	4.55
15.000	16.000	0	.000	21	4.066	95.45	1	17.750	4.55
16.000	17.000	0	.000	21	4.066	95.45	1	17.750	4.55
17.000	18.000	1	17.750	22	4.688	100.00	1	17.750	4.55
18.000	19.000	0	.000	22	4.688	100.00	0	17.750	.00
19.000	17.750	0	.000	22	4.688	100.00	0	17.750	.00

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn72_6.mex
DATA DESCRIPTION : pb+zn% for rock types 72-76 (fault) - assays
USER DESCRIPTION : %Pb+Zn for fault rocks

NORMAL HISTOGRAM



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C-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                          10:13:24   Serial no: 20320
by GEMCOM SERVICES INC.                          2/ 8/91   Page :    1
***
GRUM DRILLHOLE DATABASE                               ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn3.mex
 DATA DESCRIPTION : pb+zn% for rock type 3 - assays
 USER DESCRIPTION : %Pb+Zn for Rock type 3

DATA VALUES ENTERED

```

-----
MINIMUM CUTOFF VALUE      :      .030
MAXIMUM CUTOFF VALUE      :      42.500
TOTAL NUMBER OF SAMPLES USED :      2593

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :      45.000
CLASS INTERVAL            :      1.000

MINIMUM POPULATION DATA POINT :      .030
MAXIMUM POPULATION DATA POINT :      42.500
TOTAL POPULATION          :      2593

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	2593	
ARITHMETIC MEAN	7.2716	7.2927
MEDIAN		5.1356
GEOMETRIC MEAN	4.6098	4.6501
NATURAL LOG MEAN	1.5282	1.5369
STANDARD DEVIATION	6.7575	6.7693
VARIANCE	45.6641	45.8233
COEFFICIENT OF VARIATION	.9293	.9282
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	45.6641	45.8233
MOMENT 3 ABOUT ARITHMETIC MEAN	492.3361	494.9204
MOMENT 4 ABOUT ARITHMETIC MEAN	11140.9100	11246.1000
MOMENT COEFFICIENT OF SKEWNESS	1.5955	1.5955
MOMENT COEFFICIENT OF KURTOSIS	5.3428	5.3559

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
by GEMCOM SERVICES INC.

Curragh Resources In
10:13:27 Serial no: 20320
2/ 8/91 Page : 2

*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn3.mex
DATA DESCRIPTION : pb+zn% for rock type 3 - assays
USER DESCRIPTION : %Pb+Zn for Rock type 3

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND >= LOWER BND							
		<--INCREMENTAL-->-----INCREASING----->				<-----DECREASING----->			
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.030	1.000	227	.589	227	.589	8.75	2593	7.272	100.00
1.000	2.000	280	1.481	507	1.081	19.55	2366	7.913	91.25
2.000	3.000	270	2.500	777	1.575	29.97	2086	8.776	80.45
3.000	4.000	245	3.475	1022	2.030	39.41	1816	9.709	70.03
4.000	5.000	244	4.475	1266	2.501	48.82	1571	10.681	60.59
5.000	6.000	225	5.449	1491	2.946	57.50	1327	11.823	51.18
6.000	7.000	159	6.420	1650	3.281	63.63	1102	13.124	42.50
7.000	8.000	124	7.475	1774	3.574	68.41	943	14.254	36.37
8.000	9.000	101	8.455	1875	3.837	72.31	819	15.281	31.59
9.000	10.000	97	9.519	1972	4.117	76.05	718	16.241	27.69
10.000	11.000	81	10.495	2053	4.368	79.17	621	17.291	23.95
11.000	12.000	72	11.474	2125	4.609	81.95	540	18.310	20.83
12.000	13.000	42	12.440	2167	4.761	83.57	468	19.362	18.05
13.000	14.000	49	13.434	2216	4.953	85.46	426	20.044	16.43
14.000	15.000	49	14.483	2265	5.159	87.35	377	20.903	14.54
15.000	16.000	27	15.437	2292	5.280	88.39	328	21.862	12.65
16.000	17.000	40	16.438	2332	5.471	89.93	301	22.439	11.61
17.000	18.000	28	17.435	2360	5.613	91.01	261	23.358	10.07
18.000	19.000	20	18.479	2380	5.721	91.79	233	24.070	8.99
19.000	20.000	27	19.490	2407	5.876	92.83	213	24.595	8.21
20.000	21.000	18	20.427	2425	5.984	93.52	186	25.336	7.17
21.000	22.000	14	21.479	2439	6.073	94.06	168	25.862	6.48

NB : (GM) - GEOMETRIC MEAN

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PC-XPLOR VERSION 1.30                      Curragh Resources In
Exploration Data Manager                  10:13:31  Serial no: 20320
by GEMCOM SERVICES INC.                  2/ 8/91  Page :    3
***                                     ***
GRUM DRILLHOLE DATABASE                   ***
***                                     ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn3.mex
 DATA DESCRIPTION : pb+zn% for rock type 3 - assays
 USER DESCRIPTION : %Pb+Zn for Rock type 3

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		< UPPER BND --INCREMENTAL--<-----INCREASING----->-->= LOWER BND --DECREASING----->								
		COUNT	MEAN	CUM	CUM	CUM	FREQ	CUM	CUM	FREQ
				COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT	
22.000	23.000	27	22.568	2466	6.253	95.10	154	26.261	5.94	
23.000	24.000	21	23.440	2487	6.398	95.91	127	27.046	4.90	
24.000	25.000	23	24.553	2510	6.565	96.80	106	27.760	4.09	
25.000	26.000	15	25.459	2525	6.677	97.38	83	28.649	3.20	
26.000	27.000	17	26.459	2542	6.809	98.03	68	29.353	2.62	
27.000	28.000	11	27.486	2553	6.898	98.46	51	30.317	1.97	
28.000	29.000	9	28.367	2562	6.974	98.80	40	31.096	1.54	
29.000	30.000	4	29.075	2566	7.008	98.96	31	31.888	1.20	
30.000	31.000	6	30.437	2572	7.063	99.19	27	32.304	1.04	
31.000	32.000	12	31.325	2584	7.176	99.65	21	32.838	.81	
32.000	33.000	3	32.000	2587	7.204	99.77	9	34.856	.35	
33.000	34.000	2	33.290	2589	7.225	99.85	6	36.283	.23	
34.000	35.000	0	.000	2589	7.225	99.85	4	37.780	.15	
35.000	36.000	1	35.400	2590	7.235	99.88	4	37.780	.15	
36.000	37.000	2	36.610	2592	7.258	99.96	3	38.573	.12	
37.000	38.000	0	.000	2592	7.258	99.96	1	42.498	.04	
38.000	39.000	0	.000	2592	7.258	99.96	1	42.498	.04	
39.000	40.000	0	.000	2592	7.258	99.96	1	42.498	.04	
40.000	41.000	0	.000	2592	7.258	99.96	1	42.498	.04	
41.000	42.000	0	.000	2592	7.258	99.96	1	42.498	.04	
42.000	43.000	1	42.500	2593	7.272	100.00	1	42.498	.04	
43.000	44.000	0	.000	2593	7.272	100.00	0	42.498	.00	
44.000	42.500	0	.000	2593	7.272	100.00	0	42.498	.00	

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\pbzn3.mex
DATA DESCRIPTION : pb+zn% for rock type 3 - assays
USER DESCRIPTION : %Pb+Zn for Rock type 3

NORMAL HISTOGRAM

		FREQUENCY .1928 PERCENT PER STAR					
>= FROM	< TO	1.93	3.86	5.78	7.71	9.64	11.57
.030	1.000	*****					
1.000	2.000	*****					
2.000	3.000	*****					
3.000	4.000	*****					
4.000	5.000	*****					
5.000	6.000	*****					
6.000	7.000	*****					
7.000	8.000	*****					
8.000	9.000	*****					
9.000	10.000	*****					
10.000	11.000	*****					
11.000	12.000	*****					
12.000	13.000	*****					
13.000	14.000	*****					
14.000	15.000	*****					
15.000	16.000	*****					
16.000	17.000	*****					
17.000	18.000	*****					
18.000	19.000	****					
19.000	20.000	****					
20.000	21.000	****					
21.000	22.000	***					
22.000	23.000	*****					
23.000	24.000	****					
24.000	25.000	*****					
25.000	26.000	***					
26.000	27.000	***					
27.000	28.000	**					
28.000	29.000	**					
29.000	30.000	*					
30.000	31.000	*					
31.000	32.000	**					
32.000	33.000	*					
33.000	34.000						
34.000	35.000						
35.000	36.000						
36.000	37.000						
37.000	38.000						
38.000	39.000						
39.000	40.000						
40.000	41.000						

41.000	42.000	
42.000	43.000	
43.000	44.000	
44.000	42.500	

>= FROM	< TO	50 100 150 200 250 300

5.0000 COUNTS PER STAR

PRINTOUT OF CURRENT EXTRACTION DATA

DESCRIPTION : pb+zn% for rock type 6 - assays

NORTHING:	EASTING:	ELEVATION:	REAL:	INTEGER:	STRING:
6459.61	2401.76	1036.58	1.940	42	assay
6436.97	2832.50	1143.46	.770	47	assay
6436.67	2832.59	1141.79	.240	47	assay
6206.35	2613.22	1234.73	2.190	51	assay
6206.02	2614.43	1214.28	1.410	51	assay
6205.93	2614.61	1211.69	2.530	51	assay
6201.46	2518.45	1035.62	2.080	55	assay
6201.23	2519.35	1032.56	3.330	55	assay
6201.02	2520.21	1029.64	2.160	55	assay
6200.80	2521.09	1026.68	3.710	55	assay
6200.64	2521.71	1024.57	2.470	55	assay
6200.12	2523.77	1017.64	2.250	55	assay
5848.46	2491.30	1186.51	1.510	74	assay
5848.46	2491.37	1183.86	9.980	74	assay
5848.46	2491.40	1182.66	1.380	74	assay
5848.46	2491.45	1181.06	13.470	74	assay
5848.46	2491.48	1179.91	5.830	74	assay
5848.45	2491.79	1171.02	2.200	74	assay
5848.28	2493.86	1132.79	4.960	74	assay
6083.08	2755.18	1111.08	6.300	87	assay
6321.92	2794.89	1124.91	16.670	88	assay
6319.70	2795.60	1109.89	5.190	88	assay
5966.97	2489.26	1152.41	1.820	95	assay
6520.85	2798.97	1090.62	3.220	99	assay
6511.73	2806.01	953.14	12.000	99	assay
6423.81	2804.81	1084.41	10.100	100	assay
6557.79	2793.54	1089.24	7.900	101	assay
6557.59	2793.54	1086.95	2.890	101	assay
6557.42	2793.55	1084.91	9.200	101	assay
6522.55	2920.43	1051.92	11.840	107	assay
6088.25	2557.86	1148.05	4.660	109	assay
6496.81	2622.98	1019.36	2.470	116	assay
6496.77	2623.04	1018.61	.390	116	assay
6496.73	2623.10	1017.77	.870	116	assay
6496.50	2623.44	1013.04	.410	116	assay
6389.16	2798.87	1085.58	7.200	120	assay
6274.28	2854.67	1229.29	8.900	132	assay
6274.47	2854.68	1226.40	10.800	132	assay
6027.89	2737.43	1133.37	7.030	135	assay
5909.56	2488.23	1179.06	.710	140	assay
5909.16	2493.40	1094.09	1.550	140	assay
5961.10	2565.26	1094.52	1.150	142	assay

GRUM DRILLHOLE DATABASE

6212.32	2821.82	1216.80	20.310	166	assay
6212.28	2821.91	1214.16	27.900	166	assay
6211.13	2643.18	1220.92	7.970	174	assay
6198.80	2657.53	1025.99	8.590	174	assay
6210.85	2578.14	1226.31	24.200	177	assay
6209.46	2579.96	1193.99	6.870	177	assay
6202.83	2778.43	1104.23	3.800	185	assay
6061.11	2615.58	1142.90	.670	200	assay
6370.06	2832.80	1090.07	16.600	212	assay
6314.12	2793.19	1144.85	13.840	243	assay
6312.40	2794.00	1144.94	25.720	243	assay
6330.93	2796.43	1137.38	11.470	253	assay
6391.90	2687.83	997.76	1.030	257	assay
6329.95	2765.74	1103.93	11.220	258	assay
6329.94	2766.72	1103.23	6.540	258	assay
6331.62	2735.47	1102.79	1.620	259	assay
6331.63	2735.92	1102.01	8.600	259	assay
6383.26	2767.60	1065.93	.770	283	assay
6397.26	2795.70	1117.83	8.450	287	assay
6397.35	2799.27	1097.59	21.300	287	assay
6397.44	2802.87	1120.96	11.300	288	assay
6397.06	2787.38	1100.15	13.100	289	assay
6452.41	2638.09	1160.95	25.000	305	assay
6332.49	2795.09	1127.96	10.970	326	assay
6330.94	2798.10	1138.46	14.040	328	assay
6279.40	2794.60	1143.80	18.000	330	assay
6279.97	2775.64	1153.20	4.910	338	assay
6515.37	2829.00	1115.07	1.770	347	assay
6279.50	2792.50	1141.45	11.200	353	assay
6455.39	2820.16	1127.64	7.900	358	assay
6455.53	2822.45	1132.51	8.500	360	assay
6455.77	2821.88	1134.73	17.900	360	assay
6456.01	2821.33	1136.90	29.700	360	assay
6456.61	2819.90	1142.49	14.100	360	assay
6455.60	2782.60	1081.70	23.300	366	assay
6576.11	2808.43	1095.41	.360	384	assay
6575.99	2803.48	1092.50	.440	384	assay
6575.94	2800.98	1091.02	25.600	384	assay
6575.90	2798.62	1089.62	1.780	384	assay
6575.87	2797.07	1088.70	1.100	384	assay
6575.85	2795.62	1087.82	2.150	384	assay
6575.83	2793.99	1086.85	.690	384	assay
6575.81	2792.36	1085.87	.470	384	assay
6575.80	2790.78	1084.91	.610	384	assay
6575.79	2789.33	1084.03	.900	384	assay
6575.78	2781.91	1079.49	2.730	384	assay
6575.78	2780.42	1078.57	5.670	384	assay
6574.60	2715.20	1047.60	12.800	398	assay
6635.42	2807.96	1065.01	13.810	410	assay
6699.30	2769.34	1055.81	12.810	412	assay
6699.32	2769.37	1054.26	19.200	412	assay
6699.43	2769.51	1047.36	10.850	412	assay
6699.46	2769.56	1044.86	6.540	412	assay
6309.00	2563.39	1146.57	1.430	441	assay
5912.17	2467.59	1146.88	3.530	488	assay

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
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GRUM DRILLHOLE DATABASE

5912.25	2467.60	1143.33	5.060	488	assay
5971.60	2464.74	1136.46	1.140	504	assay
5971.65	2464.86	1134.97	.350	504	assay
5971.70	2464.97	1133.62	5.150	504	assay
5972.65	2467.29	1104.33	4.880	504	assay
5972.71	2467.40	1102.79	6.880	504	assay
6150.51	2806.80	1233.25	7.590	511	assay
6546.01	3007.93	1240.26	1.380	530	assay
6546.00	3007.94	1239.56	37.000	530	assay
6545.98	3007.94	1238.91	2.710	530	assay

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             14:31:47   Serial no: 20320
By GEMCOM SERVICES INC.                             2/ 8/91   Page :    1
***
GRUM DRILLHOLE DATABASE                               ***
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PRINTOUT OF CURRENT EXTRACTION DATA

DESCRIPTION : pb+zn% for rock type 8 - assays

<u>NORTHING:</u>	<u>EASTING:</u>	<u>ELEVATION:</u>	<u>REAL:</u>	<u>INTEGER:</u>	<u>STRING:</u>
6386.57	2631.31	1058.70	.870	8	AGA011
6203.44	2510.68	1064.45	3.370	8	AGA017
6202.97	2512.50	1057.25	3.580	8	AGA017
6681.72	2824.26	941.24	3.740	8	AGA020
6676.95	2680.74	1125.33	3.250	8	AGA022
6211.22	2673.33	1013.34	.950	8	AGA023
6088.38	2674.56	1095.14	7.000	8	AGA026
6089.10	2616.36	1148.47	2.300	8	AGA028
6089.00	2616.46	1147.02	1.620	8	AGA028
6567.50	2567.09	937.98	3.790	8	AGA035
6567.42	2567.16	936.23	2.010	8	AGA035
6572.58	2495.41	1116.80	9.200	8	AGA038
5848.80	2430.30	1152.69	2.500	8	AGA039
5848.79	2430.44	1150.35	2.030	8	AGA039
6571.51	2439.32	1047.11	.410	8	AGA041
6416.01	2808.55	1010.07	1.080	8	AGA068
6588.75	2786.98	913.77	15.000	8	AGA087
6390.68	2797.54	1125.93	9.200	8	AGA088
6142.16	2805.00	1148.52	8.900	8	AGA099
6029.65	2675.79	1104.53	7.390	8	AGA107
6749.68	2804.20	884.80	2.190	8	AGA123
6209.63	2828.00	1108.69	.890	8	AGA134
6209.57	2828.13	1106.70	.900	8	AGA134
6209.51	2828.26	1104.70	.940	8	AGA134
6209.45	2828.40	1102.46	.940	8	AGA134
6151.21	2820.79	1238.82	21.800	8	AGA135
6508.67	2889.31	1190.38	10.600	8	AGA158
6577.15	2880.89	1179.20	9.400	8	AGA160
6058.76	2621.01	1080.06	3.950	8	AGA203
5908.15	2681.72	1164.48	16.410	8	AGA218
5907.43	2640.14	1174.63	2.750	8	AGA221
5963.06	2645.36	1136.99	14.380	8	AGA225
6334.38	2687.90	1190.96	4.050	8	AGU004
6329.99	2762.15	1106.47	28.170	8	AGU016
6386.30	2755.44	1075.90	2.360	8	AGU048
6386.13	2755.00	1075.02	22.000	8	AGU048
6385.88	2754.34	1073.70	8.600	8	AGU048
6457.68	2667.57	1036.01	2.390	8	AGU061
6514.42	2640.98	1078.38	12.200	8	AGU079
6280.11	2836.79	1080.06	20.300	8	AGU113
6455.08	2823.52	1128.32	1.470	8	AGU118
6456.04	2702.08	1022.51	14.400	8	AGU129

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

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GRUM DRILLHOLE DATABASE

6455.38	2834.19	1141.52	11.990	8	AGU132
6575.90	2865.41	1153.84	13.000	8	AGU144
6091.03	2647.31	1174.61	6.300	8	AGU163
6091.24	2659.06	1185.20	11.100	8	AGU167
6512.19	2901.58	1202.75	10.030	8	87G-13
5910.09	2425.09	1140.81	1.930	8	89G-02
6584.24	3022.44	1240.60	2.480	8	89G-23
6545.92	2978.09	1222.17	22.140	8	91G04
6424.07	2855.33	1221.62	8.470	8	91G15
6424.11	2917.30	1232.49	20.330	8	91G16
6183.10	2826.50	1252.75	13.900	8	91G29
6183.10	2826.50	1251.15	11.260	8	91G29
6091.10	2656.10	1182.95	15.670	8	91G35
6063.06	2656.55	1198.03	26.910	8	91G38

PC-XPLOR VERSION 1.30

Exploration Data Manager

By GEMCOM SERVICES INC.

Curragh Resources In

14:31:29 Serial no: 20320

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GRUM DRILLHOLE DATABASE

PRINTOUT OF CURRENT EXTRACTION DATA

DESCRIPTION : pb+zn% for rock type 9 - assays

<u>NORTHING:</u>	<u>EASTING:</u>	<u>ELEVATION:</u>	<u>REAL:</u>	<u>INTEGER:</u>	<u>STRING:</u>
6790.77	2621.41	1005.10	38.590	9	AGA128
6628.34	2973.97	1206.95	35.600	9	AGA228
6219.07	2668.59	1159.44	18.990	9	AGU036
6394.68	2720.53	1168.99	26.700	9	AGU042
6385.15	2752.49	1069.95	29.100	9	AGU048
6455.17	2777.45	1170.20	25.200	9	AGU116
6425.54	2670.92	1040.19	23.470	9	AGU196
6425.67	2670.55	1038.75	29.360	9	AGU196

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             14:51:26   Serial no: 20320
By GEMCOM SERVICES INC.                             5/ 8/91   Page :      4
***
GRUM DRILLHOLE DATABASE                               ***
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CLASSICAL STATISTICS AND HISTOGRAMS

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EXTRACTION FILENAME : e:\grum\extract\au45678.mex
DATA DESCRIPTION    : AU FOR MASSIVE SULPHIDES - ROCK TYPES 4,5,6,7,8 - ASSAYS
USER DESCRIPTION    : rock types 4,5,6,7,8

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DATA VALUES ENTERED

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MINIMUM CUTOFF VALUE      :      .010
MAXIMUM CUTOFF VALUE      :     13.100
TOTAL NUMBER OF SAMPLES USED :     2326

MINIMUM HISTOGRAM VALUE   :      .000
MAXIMUM HISTOGRAM VALUE   :      3.000
CLASS INTERVAL            :      .100

MINIMUM POPULATION DATA POINT :      .010
MAXIMUM POPULATION DATA POINT :     13.100
TOTAL POPULATION          :     2326

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	2326	
ARITHMETIC MEAN	1.2125	1.2672
MEDIAN		1.1505
GEOMETRIC MEAN	1.0257	1.0388
NATURAL LOG MEAN	.0254	.0381
STANDARD DEVIATION	.6970	.9791
VARIANCE	.4858	.9585
COEFFICIENT OF VARIATION	.5748	.7726
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.4858	.9585
MOMENT 3 ABOUT ARITHMETIC MEAN	1.0974	4.1950
MOMENT 4 ABOUT ARITHMETIC MEAN	10.1173	28.5597
MOMENT COEFFICIENT OF SKEWNESS	3.2410	4.4700
MOMENT COEFFICIENT OF KURTOSIS	42.8700	31.0832

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
 Exploration Data Manager
 By GEMCOM SERVICES INC.

Curragh Resources In
 14:51:29 Serial no: 20320
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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\au45678.mex
 DATA DESCRIPTION : AU FOR MASSIVE SULPHIDES - ROCK TYPES 4,5,6,7,8 - ASSAYS
 USER DESCRIPTION : rock types 4,5,6,7,8

FREQUENCY DISTRIBUTIONS

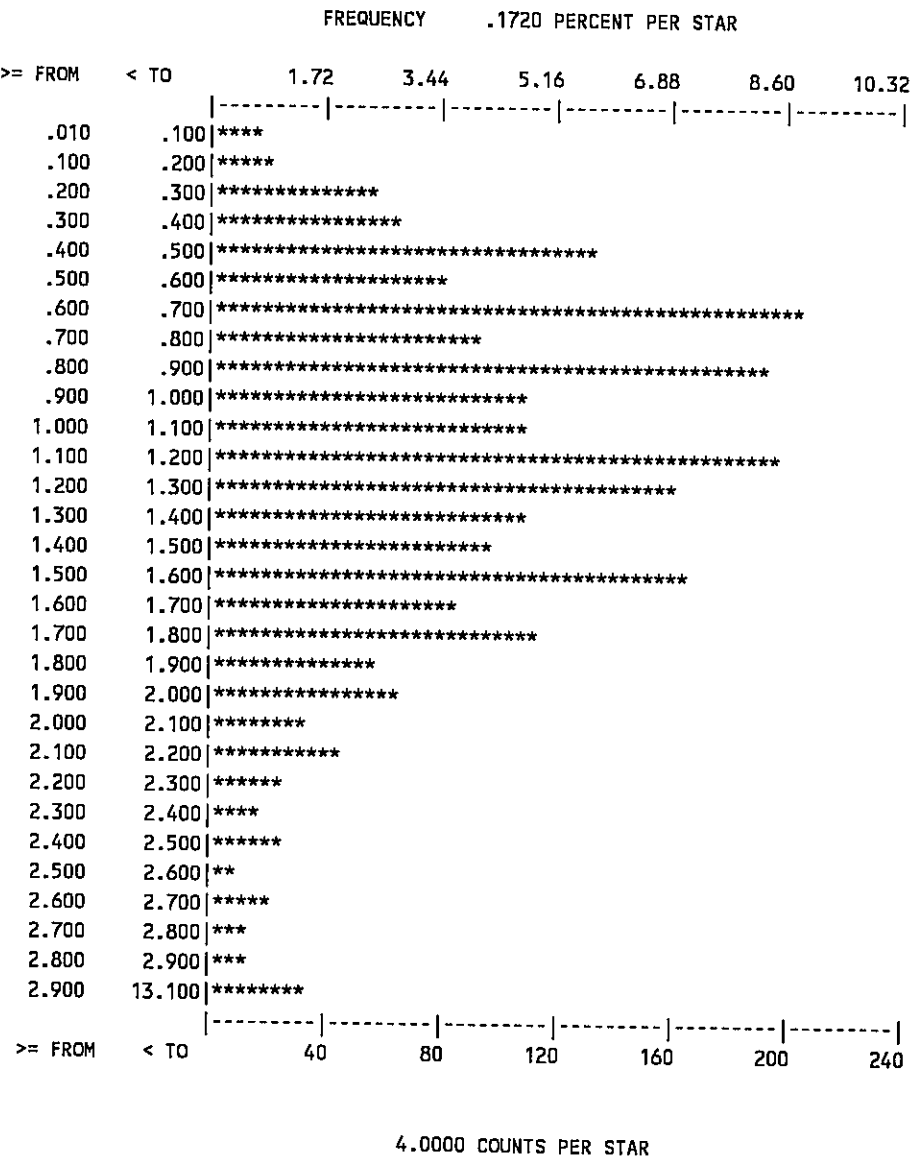
CLASS INTERVAL >= FROM < TO		< UPPER BND >= LOWER BND <-INCREMENTAL-><-----INCREASING-----><-----DECREASING----->									
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM PERCENT	FREQ COUNT	CUM COUNT	CUM MEAN	CUM PERCENT	FREQ
.010	.100	15	.055	15	.055	.64	2326	1.212	100.00		
.100	.200	19	.158	34	.113	1.46	2311	1.220	99.36		
.200	.300	57	.244	91	.195	3.91	2292	1.229	98.54		
.300	.400	64	.341	155	.255	6.66	2235	1.254	96.09		
.400	.500	132	.448	287	.344	12.34	2171	1.281	93.34		
.500	.600	79	.548	366	.388	15.74	2039	1.335	87.66		
.600	.700	204	.660	570	.485	24.51	1960	1.367	84.26		
.700	.800	91	.751	661	.522	28.42	1756	1.449	75.49		
.800	.900	190	.856	851	.596	36.59	1665	1.487	71.58		
.900	1.000	106	.959	957	.637	41.14	1475	1.568	63.41		
1.000	1.100	107	1.032	1064	.676	45.74	1369	1.615	58.86		
1.100	1.200	196	1.137	1260	.748	54.17	1262	1.664	54.26		
1.200	1.300	161	1.265	1421	.807	61.09	1066	1.761	45.83		
1.300	1.400	108	1.369	1529	.846	65.74	905	1.850	38.91		
1.400	1.500	97	1.442	1626	.882	69.91	797	1.915	34.26		
1.500	1.600	165	1.542	1791	.943	77.00	700	1.980	30.09		
1.600	1.700	82	1.649	1873	.974	80.52	535	2.116	23.00		
1.700	1.800	112	1.742	1985	1.017	85.34	453	2.200	19.48		
1.800	1.900	56	1.848	2041	1.040	87.75	341	2.351	14.66		
1.900	2.000	64	1.946	2105	1.067	90.50	285	2.450	12.25		
2.000	2.100	31	2.059	2136	1.082	91.83	221	2.595	9.50		
2.100	2.200	43	2.159	2179	1.103	93.68	190	2.683	8.17		
2.200	2.300	24	2.260	2203	1.116	94.71	147	2.836	6.32		
2.300	2.400	15	2.329	2218	1.124	95.36	123	2.949	5.29		
2.400	2.500	25	2.425	2243	1.138	96.43	108	3.035	4.64		
2.500	2.600	8	2.540	2251	1.143	96.78	83	3.218	3.57		
2.600	2.700	20	2.637	2271	1.156	97.64	75	3.291	3.22		
2.700	2.800	11	2.736	2282	1.164	98.11	55	3.528	2.36		
2.800	2.900	12	2.851	2294	1.173	98.62	44	3.726	1.89		
2.900	13.100	32	4.054	2326	1.212	100.00	32	4.054	1.38		

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\extract\au45678.mex
DATA DESCRIPTION : AU FOR MASSIVE SULPHIDES - ROCK TYPES 4,5,6,7,8 - ASSAYS
USER DESCRIPTION : rock types 4,5,6,7,8

NORMAL HISTOGRAM



PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\grum.mex
DATA DESCRIPTION : phyllite densities
USER DESCRIPTION : phyllite - measured SG

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	2.000
MAXIMUM CUTOFF VALUE	:	4.000
TOTAL NUMBER OF SAMPLES USED	:	200
MINIMUM HISTOGRAM VALUE	:	2.000
MAXIMUM HISTOGRAM VALUE	:	4.000
CLASS INTERVAL	:	.100
MINIMUM POPULATION DATA POINT	:	1.500
MAXIMUM POPULATION DATA POINT	:	4.630
TOTAL POPULATION	:	204

	UNGROUPED DATA	GROUPED DATA
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TOTAL NO OF SAMPLES	200	
ARITHMETIC MEAN	2.8593	2.8565
MEDIAN		2.8091
GEOMETRIC MEAN	2.8505	2.8474
NATURAL LOG MEAN	1.0475	1.0464
STANDARD DEVIATION	.2264	.2298
VARIANCE	.0513	.0528
COEFFICIENT OF VARIATION	.0792	.0804
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.0513	.0528
MOMENT 3 ABOUT ARITHMETIC MEAN	.0068	.0067
MOMENT 4 ABOUT ARITHMETIC MEAN	.0092	.0095
MOMENT COEFFICIENT OF SKEWNESS	.5842	.5484
MOMENT COEFFICIENT OF KURTOSIS	3.5171	3.4146

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
14:58:31 Serial no: 20320
27/ 6/91 Page : 2

*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\grum.mex
DATA DESCRIPTION : phyllite densities
USER DESCRIPTION : phyllite - measured SG

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		<-INCREMENTAL->		< UPPER BND <-----INCREASING----->			>= LOWER BND <-----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
2.000	2.100	0	.000	0	.000	.00	200	2.859	100.00
2.100	2.200	0	.000	0	.000	.00	200	2.859	100.00
2.200	2.300	0	.000	0	.000	.00	200	2.859	100.00
2.300	2.400	0	.000	0	.000	.00	200	2.859	100.00
2.400	2.500	11	2.466	11	2.466	5.50	200	2.859	100.00
2.500	2.600	15	2.571	26	2.527	13.00	189	2.882	94.50
2.600	2.700	15	2.651	41	2.572	20.50	174	2.909	87.00
2.700	2.800	58	2.758	99	2.681	49.50	159	2.933	79.50
2.800	2.900	11	2.853	110	2.698	55.00	101	3.034	50.50
2.900	3.000	49	2.941	159	2.773	79.50	90	3.056	45.00
3.000	3.100	16	3.058	175	2.799	87.50	41	3.194	20.50
3.100	3.200	7	3.160	182	2.813	91.00	25	3.280	12.50
3.200	3.300	8	3.231	190	2.831	95.00	18	3.327	9.00
3.300	3.400	7	3.341	197	2.849	98.50	10	3.404	5.00
3.400	3.500	1	3.400	198	2.852	99.00	3	3.550	1.50
3.500	3.600	1	3.600	199	2.855	99.50	2	3.625	1.00
3.600	3.700	1	3.650	200	2.859	100.00	1	3.650	.50
3.700	3.800	0	.000	200	2.859	100.00	0	3.650	.00
3.800	3.900	0	.000	200	2.859	100.00	0	3.650	.00
3.900	4.000	0	.000	200	2.859	100.00	0	3.650	.00

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
14:58:34 Serial no: 20320
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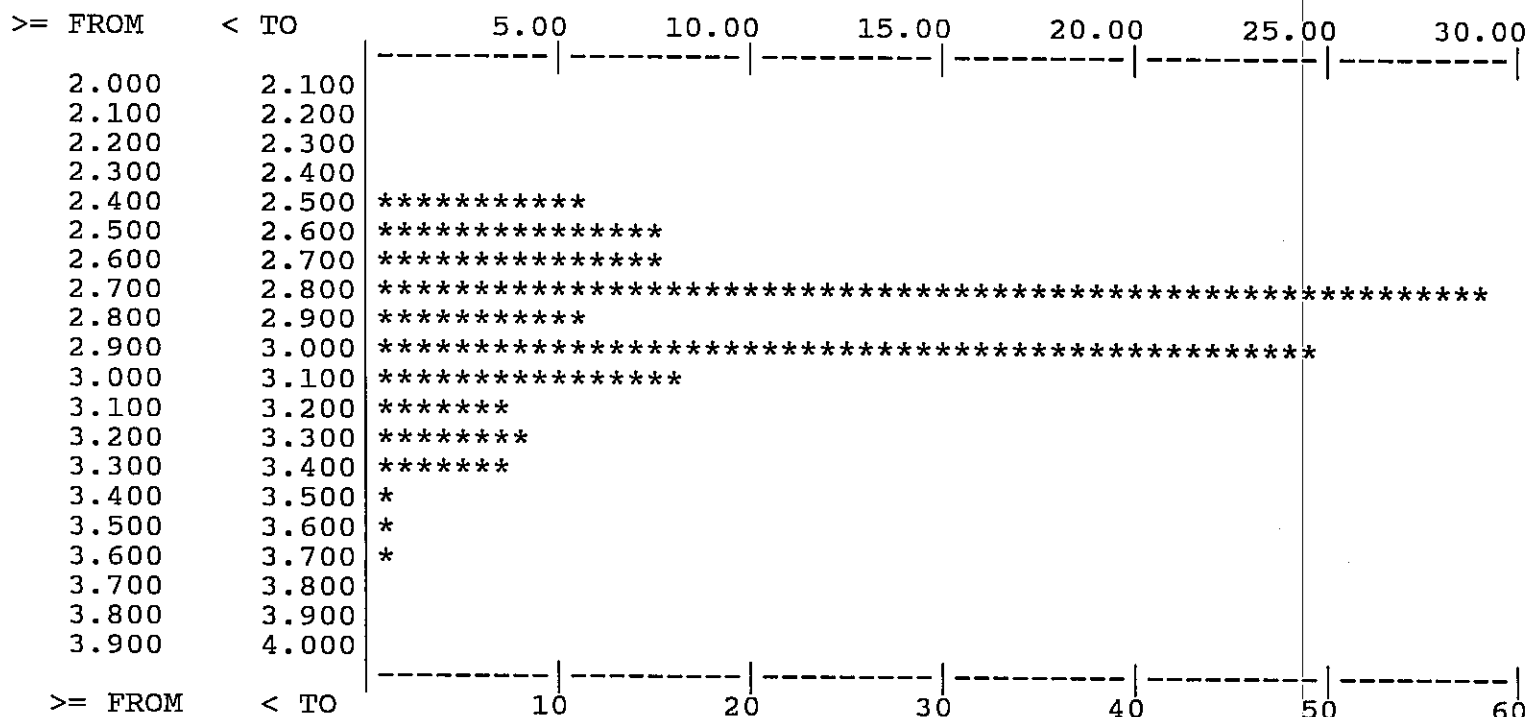
GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\grum.mex
DATA DESCRIPTION : phyllite densities
USER DESCRIPTION : phyllite - measured SG

NORMAL HISTOGRAM

FREQUENCY .5000 PERCENT PER STAR



1.0000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             11:10: 1   Serial no: 20320
By GEMCOM SERVICES INC.                             3/ 9/91   Page :    1
***                                     GRUM DRILLHOLE DATABASE                                     ***
***                                     ***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\cu_ds.mex
 DATA DESCRIPTION : Cu assays - disseminated sulphides
 USER DESCRIPTION : Grum - %Cu Disseminated Sulphides

DATA VALUES ENTERED

```

-----
MINIMUM CUTOFF VALUE      :      .001
MAXIMUM CUTOFF VALUE      :      5.000
TOTAL NUMBER OF SAMPLES USED :      5813

MINIMUM HISTOGRAM VALUE   :      .001
MAXIMUM HISTOGRAM VALUE   :      1.000
CLASS INTERVAL            :      .040

MINIMUM POPULATION DATA POINT :      .001
MAXIMUM POPULATION DATA POINT :      5.000
TOTAL POPULATION          :      5813

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	5813	
ARITHMETIC MEAN	.1009	.0984
MEDIAN		.0675
GEOMETRIC MEAN	.0675	.0641
NATURAL LOG MEAN	-2.6962	-2.7466
STANDARD DEVIATION	.1154	.1200
VARIANCE	.0133	.0144
COEFFICIENT OF VARIATION	1.1435	1.2199
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.0133	.0144
MOMENT 3 ABOUT ARITHMETIC MEAN	.0224	.0181
MOMENT 4 ABOUT ARITHMETIC MEAN	.1003	.0482
MOMENT COEFFICIENT OF SKEWNESS	14.5746	10.4983
MOMENT COEFFICIENT OF KURTOSIS	565.4500	232.4053

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
11:10: 4 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\cu_ds.mex
DATA DESCRIPTION : Cu assays - disseminated sulphides
USER DESCRIPTION : Grum - %Cu Disseminated Sulphides

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL => FROM < TO		< UPPER BND >= LOWER BND									
		<-INCREMENTAL->-----INCREASING----->					<-----DECREASING----->				
		COUNT	MEAN	CUM	CUM	CUM	FREQ	CUM	CUM	FREQ	
				COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT		
.00100	.04100	1918	.02676	1918	.02676	33.00	5813	.10093	100.00		
.041	.081	1494	.062	3412	.042	58.70	3895	.137	67.00		
.081	.121	808	.103	4220	.054	72.60	2401	.184	41.30		
.121	.161	521	.144	4741	.064	81.56	1593	.226	27.40		
.161	.201	353	.185	5094	.072	87.63	1072	.266	18.44		
.201	.241	267	.223	5361	.080	92.22	719	.306	12.37		
.241	.281	156	.263	5517	.085	94.91	452	.354	7.78		
.281	.321	104	.304	5621	.089	96.70	296	.402	5.09		
.321	.361	66	.343	5687	.092	97.83	192	.455	3.30		
.361	.401	43	.386	5730	.094	98.57	126	.514	2.17		
.401	.441	34	.425	5764	.096	99.16	83	.580	1.43		
.441	.481	9	.466	5773	.097	99.31	49	.688	.84		
.481	.521	14	.507	5787	.098	99.55	40	.738	.69		
.521	.561	7	.540	5794	.098	99.67	26	.862	.45		
.561	.601	2	.567	5796	.098	99.71	19	.981	.33		
.601	.641	4	.625	5800	.099	99.78	17	1.030	.29		
.641	.681	2	.650	5802	.099	99.81	13	1.155	.22		
.681	.721	1	.690	5803	.099	99.83	11	1.246	.19		
.721	.761	2	.755	5805	.099	99.86	10	1.302	.17		
.761	.801	2	.785	5807	.099	99.90	8	1.439	.14		
.801	.841	1	.830	5808	.099	99.91	6	1.657	.10		
.841	.881	0	.000	5808	.099	99.91	5	1.822	.09		
.881	.921	1	.890	5809	.100	99.93	5	1.822	.09		
.921	.961	0	.000	5809	.100	99.93	4	2.055	.07		
.961	5.000	4	2.055	5813	.101	100.00	4	2.055	.07		

NB : (GM) - GEOMETRIC MEAN

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PC-XPLOR VERSION 1.30                      Curragh Resources In
Exploration Data Manager                  11:10: 9   Serial no: 20320
By GEMCOM SERVICES INC.                 3/ 9/91   Page :    3
***                                     GRUM DRILLHOLE DATABASE                                     ***
***                                     ***
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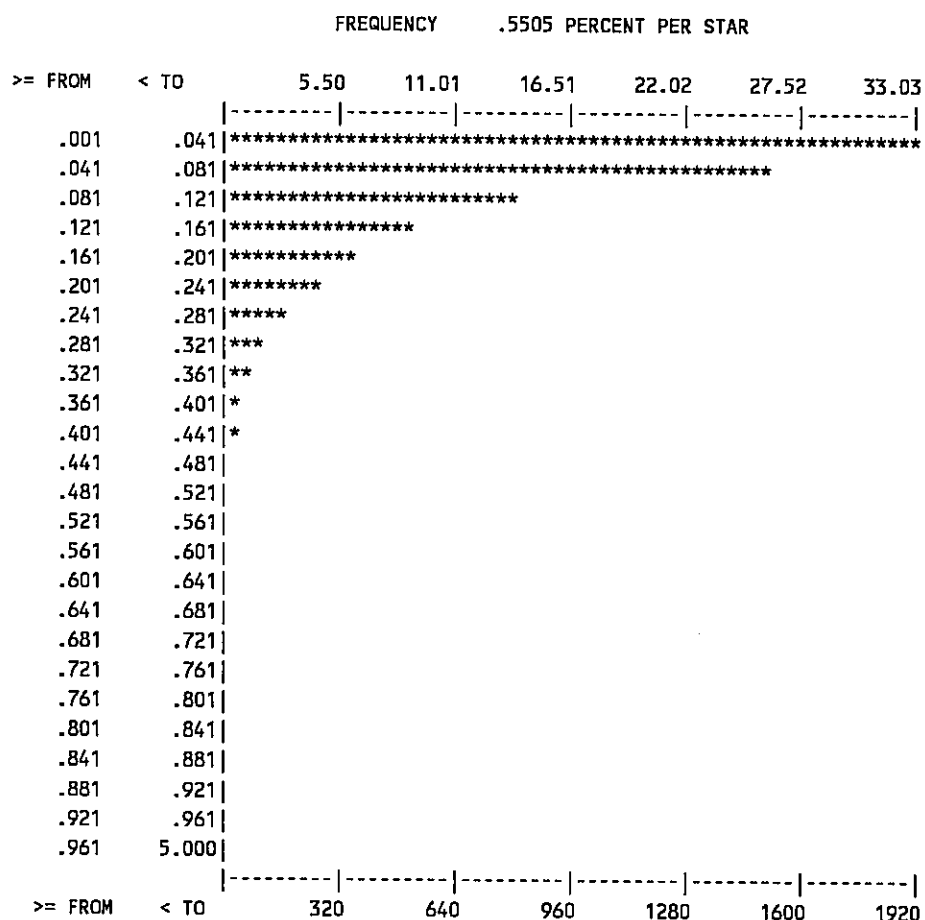
CLASSICAL STATISTICS AND HISTOGRAMS

```

EXTRACTION FILENAME : e:\grum\cu_ds.mex
DATA DESCRIPTION    : Cu assays - disseminated sulphides
USER DESCRIPTION    : Grum - %Cu Disseminated Sulphides

```

NORMAL HISTOGRAM



32.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30

Exploration Data Manager

By GEMCOM SERVICES INC.

Curragh Resources In

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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\cu_ds.mex

DATA DESCRIPTION : Cu assays - disseminated sulphides

USER DESCRIPTION : Grum - %Cu Disseminated Sulphides

FREQUENCY DISTRIBUTIONS

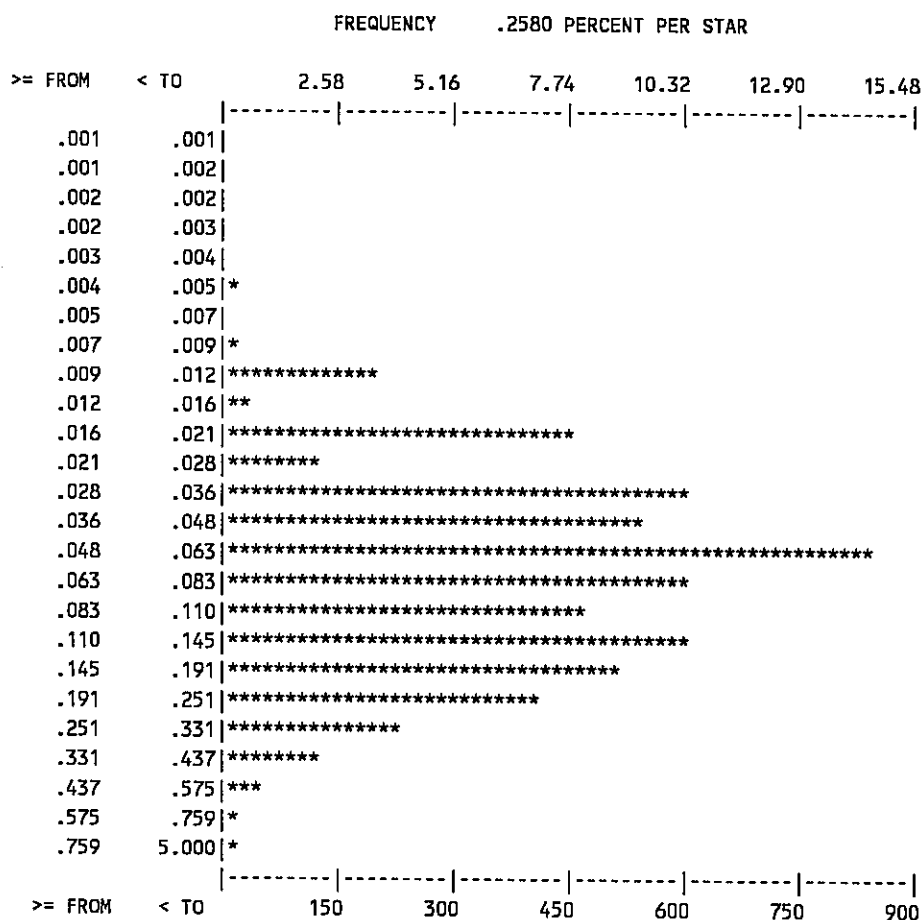
		< UPPER BND				>= LOWER BND			
LOGARITHMIC		<-INCREMENTAL->-----INCREASING----->-----DECREASING----->							
CLASS INTERVAL		COUNT	MEAN	CUM	CUM	CUM FREQ	CUM	CUM	CUM FREQ
>= FROM < TO			(GM)	COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT
			(GM)		(GM)			(GM)	
.00100	.00132	5	.00100	5	.00100	.09	5813	.06746	100.00
.00132	.00174	0	.00000	5	.00100	.09	5808	.06770	99.91
.00174	.00229	4	.00200	9	.00136	.15	5808	.06770	99.91
.00229	.00302	6	.00300	15	.00187	.26	5804	.06787	99.85
.00302	.00398	0	.00000	15	.00187	.26	5798	.06809	99.74
.00398	.00525	12	.00447	27	.00275	.46	5798	.06809	99.74
.00525	.00692	3	.00600	30	.00298	.52	5786	.06847	99.54
.00692	.00912	22	.00786	52	.00449	.89	5783	.06856	99.48
.00912	.01202	201	.01008	253	.00854	4.35	5761	.06913	99.11
.012	.016	33	.014	286	.009	4.92	5560	.074	95.65
.016	.021	443	.020	729	.015	12.54	5527	.075	95.08
.021	.028	120	.024	849	.016	14.61	5084	.084	87.46
.028	.036	596	.030	1445	.020	24.86	4964	.087	85.39
.036	.048	536	.040	1981	.025	34.08	4368	.100	75.14
.048	.063	846	.054	2827	.031	48.63	3832	.114	65.92
.063	.083	599	.074	3426	.036	58.94	2986	.140	51.37
.083	.110	470	.095	3896	.041	67.02	2387	.164	41.06
.110	.145	603	.123	4499	.047	77.40	1917	.188	32.98
.145	.191	509	.167	5008	.054	86.15	1314	.227	22.60
.191	.251	403	.221	5411	.060	93.08	805	.276	13.85
.251	.331	231	.290	5642	.064	97.06	402	.345	6.92
.331	.437	114	.378	5756	.066	99.02	171	.436	2.94
.437	.575	40	.491	5796	.067	99.71	57	.580	.98
.575	.759	8	.654	5804	.067	99.85	17	.856	.29
.759	5.000	9	1.088	5813	.067	100.00	9	1.087	.15

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\cu_ds.mex
 DATA DESCRIPTION : Cu assays - disseminated sulphides
 USER DESCRIPTION : Grum - %Cu Disseminated Sulphides

LOG HISTOGRAM



15.0000 COUNTS PER STAR

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             11:11: 1   Serial no: 20320
By GEMCOM SERVICES INC.                             3/ 9/91   Page :    6
***
GRUM DRILLHOLE DATABASE                               ***
***
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\cu_ds.mex
 DATA DESCRIPTION : Cu assays - disseminated sulphides
 USER DESCRIPTION : Grum - %Cu Disseminated Sulphides

DATA VALUES ENTERED

```

-----
MINIMUM CUTOFF VALUE      :      .001
MAXIMUM CUTOFF VALUE      :      5.000
TOTAL NUMBER OF SAMPLES USED :      5813

MINIMUM HISTOGRAM VALUE   :      .001
MAXIMUM HISTOGRAM VALUE   :      1.000
CLASS INTERVAL            :      .040

MINIMUM POPULATION DATA POINT :      .001
MAXIMUM POPULATION DATA POINT :      5.000
TOTAL POPULATION          :      5813

```

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	5813	
ARITHMETIC MEAN	.1009	.0984
MEDIAN		.0675
GEOMETRIC MEAN	.0675	.0641
NATURAL LOG MEAN	-2.6962	-2.7466
STANDARD DEVIATION	.1154	.1200
VARIANCE	.0133	.0144
COEFFICIENT OF VARIATION	1.1435	1.2199
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.0133	.0144
MOMENT 3 ABOUT ARITHMETIC MEAN	.0224	.0181
MOMENT 4 ABOUT ARITHMETIC MEAN	.1003	.0482
MOMENT COEFFICIENT OF SKEWNESS	14.5746	10.4983
MOMENT COEFFICIENT OF KURTOSIS	565.4500	232.4053

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30

Exploration Data Manager

By GEMCOM SERVICES INC.

Curragh Resources In

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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\cu_ds.mex

DATA DESCRIPTION : Cu assays - disseminated sulphides

USER DESCRIPTION : Grum - %Cu Disseminated Sulphides

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL		< UPPER BND						>= LOWER BND		
		<-INCREMENTAL->			-----INCREASING-----			-----DECREASING-----		
>= FROM	< TO	COUNT	MEAN	CUM	CUM	CUM	FREQ	CUM	CUM	FREQ
				COUNT	MEAN	PERCENT		COUNT	MEAN	PERCENT
.00100	.04100	1918	.02676	1918	.02676	33.00	5813	.10093	100.00	
.041	.081	1494	.062	3412	.042	58.70	3895	.137	67.00	
.081	.121	808	.103	4220	.054	72.60	2401	.184	41.30	
.121	.161	521	.144	4741	.064	81.56	1593	.226	27.40	
.161	.201	353	.185	5094	.072	87.63	1072	.266	18.44	
.201	.241	267	.223	5361	.080	92.22	719	.306	12.37	
.241	.281	156	.263	5517	.085	94.91	452	.354	7.78	
.281	.321	104	.304	5621	.089	96.70	296	.402	5.09	
.321	.361	66	.343	5687	.092	97.83	192	.455	3.30	
.361	.401	43	.386	5730	.094	98.57	126	.514	2.17	
.401	.441	34	.425	5764	.096	99.16	83	.580	1.43	
.441	.481	9	.466	5773	.097	99.31	49	.688	.84	
.481	.521	14	.507	5787	.098	99.55	40	.738	.69	
.521	.561	7	.540	5794	.098	99.67	26	.862	.45	
.561	.601	2	.567	5796	.098	99.71	19	.981	.33	
.601	.641	4	.625	5800	.099	99.78	17	1.030	.29	
.641	.681	2	.650	5802	.099	99.81	13	1.155	.22	
.681	.721	1	.690	5803	.099	99.83	11	1.246	.19	
.721	.761	2	.755	5805	.099	99.86	10	1.302	.17	
.761	.801	2	.785	5807	.099	99.90	8	1.439	.14	
.801	.841	1	.830	5808	.099	99.91	6	1.657	.10	
.841	.881	0	.000	5808	.099	99.91	5	1.822	.09	
.881	.921	1	.890	5809	.100	99.93	5	1.822	.09	
.921	.961	0	.000	5809	.100	99.93	4	2.055	.07	
.961	5.000	4	2.055	5813	.101	100.00	4	2.055	.07	

NB : (GM) - GEOMETRIC MEAN

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PC-XPLOR VERSION 1.30                               Curragh Resources In
Exploration Data Manager                             11:11: 9   Serial no: 20320
By GEMCOM SERVICES INC.                             3/ 9/91   Page :      8
***
GRUM DRILLHOLE DATABASE                               ***
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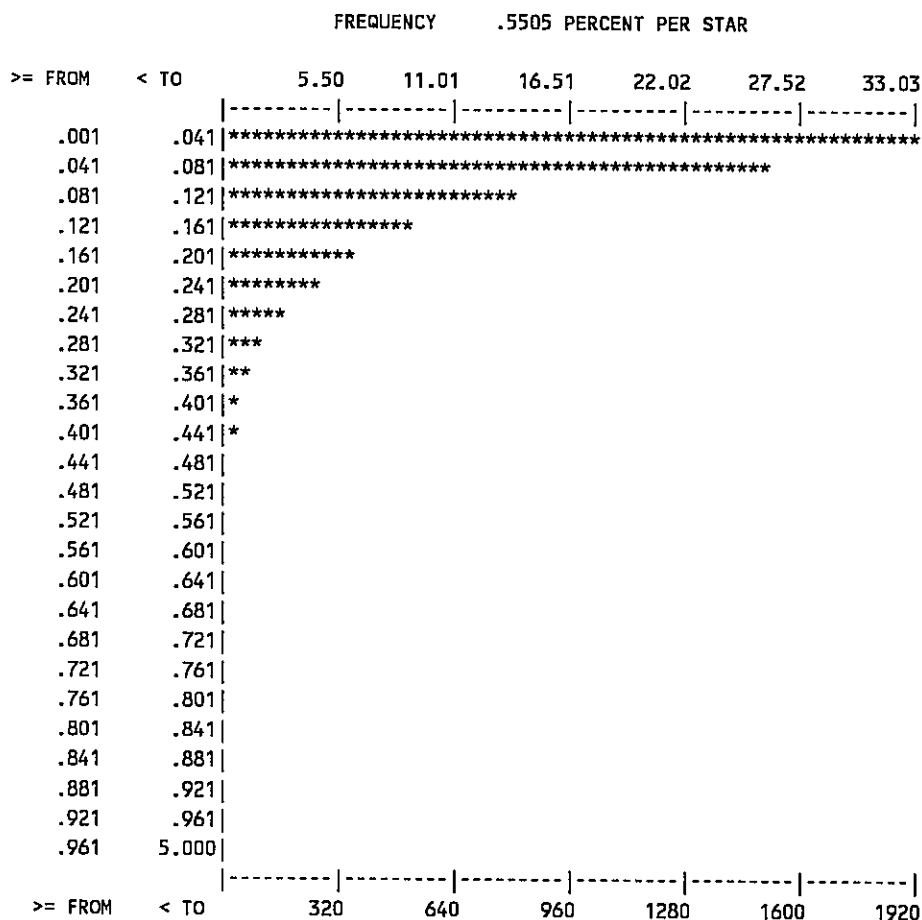
CLASSICAL STATISTICS AND HISTOGRAMS

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EXTRACTION FILENAME : e:\grum\cu_ds.mex
DATA DESCRIPTION    : Cu assays - disseminated sulphides
USER DESCRIPTION    : Grum - %Cu Disseminated Sulphides

```

NORMAL HISTOGRAM



32.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
11:11:12 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\cu_ds.mex
DATA DESCRIPTION : Cu assays - disseminated sulphides
USER DESCRIPTION : Grum - %Cu Disseminated Sulphides

FREQUENCY DISTRIBUTIONS

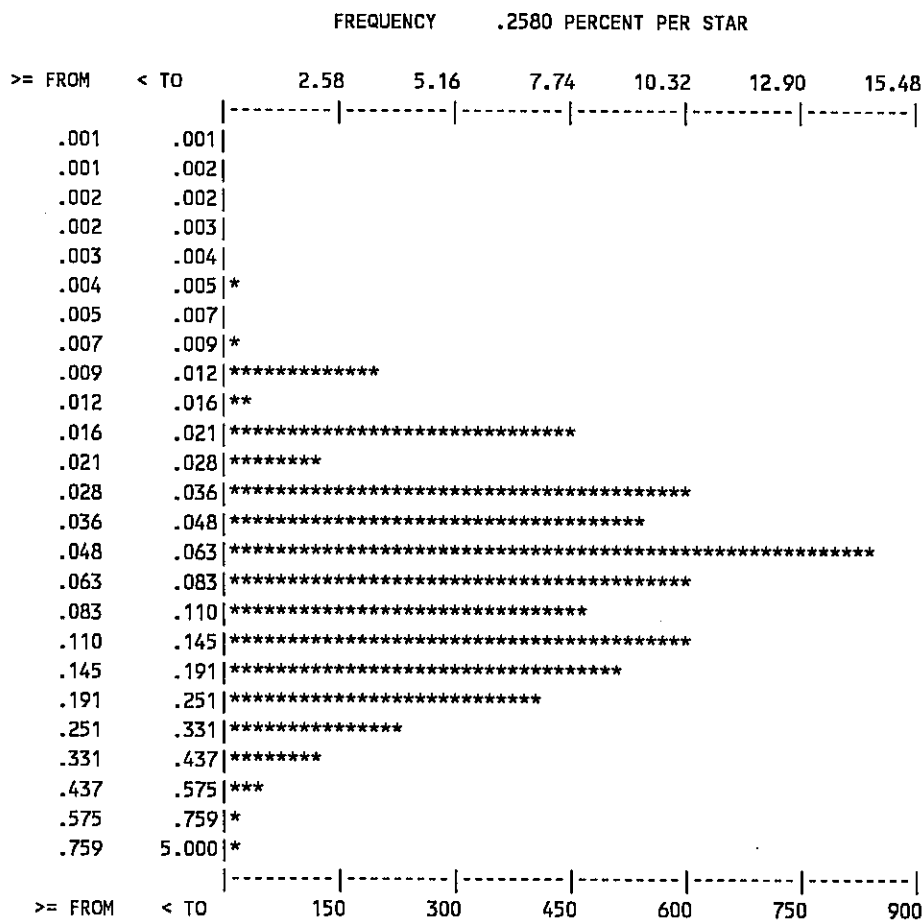
		< UPPER BND						>= LOWER BND		
		<--INCREMENTAL-->-----INCREASING-----<-----DECREASING----->								
LOGARITHMIC	CLASS INTERVAL	COUNT	MEAN	CUM	CUM	CUM FREQ	CUM	CUM	CUM FREQ	
>= FROM	< TO		(GM)	COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT	
					(GM)			(GM)		
.00100	.00132	5	.00100	5	.00100	.09	5813	.06746	100.00	
.00132	.00174	0	.00000	5	.00100	.09	5808	.06770	99.91	
.00174	.00229	4	.00200	9	.00136	.15	5808	.06770	99.91	
.00229	.00302	6	.00300	15	.00187	.26	5804	.06787	99.85	
.00302	.00398	0	.00000	15	.00187	.26	5798	.06809	99.74	
.00398	.00525	12	.00447	27	.00275	.46	5798	.06809	99.74	
.00525	.00692	3	.00600	30	.00298	.52	5786	.06847	99.54	
.00692	.00912	22	.00786	52	.00449	.89	5783	.06856	99.48	
.00912	.01202	201	.01008	253	.00854	4.35	5761	.06913	99.11	
.012	.016	33	.014	286	.009	4.92	5560	.074	95.65	
.016	.021	443	.020	729	.015	12.54	5527	.075	95.08	
.021	.028	120	.024	849	.016	14.61	5084	.084	87.46	
.028	.036	596	.030	1445	.020	24.86	4964	.087	85.39	
.036	.048	536	.040	1981	.025	34.08	4368	.100	75.14	
.048	.063	846	.054	2827	.031	48.63	3832	.114	65.92	
.063	.083	599	.074	3426	.036	58.94	2986	.140	51.37	
.083	.110	470	.095	3896	.041	67.02	2387	.164	41.06	
.110	.145	603	.123	4499	.047	77.40	1917	.188	32.98	
.145	.191	509	.167	5008	.054	86.15	1314	.227	22.60	
.191	.251	403	.221	5411	.060	93.08	805	.276	13.85	
.251	.331	231	.290	5642	.064	97.06	402	.345	6.92	
.331	.437	114	.378	5756	.066	99.02	171	.436	2.94	
.437	.575	40	.491	5796	.067	99.71	57	.580	.98	
.575	.759	8	.654	5804	.067	99.85	17	.856	.29	
.759	5.000	9	1.088	5813	.067	100.00	9	1.087	.15	

NB : (GM) - GEOMETRIC MEAN

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : e:\grum\cu_ds.mex
 DATA DESCRIPTION : Cu assays - disseminated sulphides
 USER DESCRIPTION : Grum - %Cu Disseminated Sulphides

LOG HISTOGRAM



15.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_pb.mex
DATA DESCRIPTION : massive sulphide - pb assays (pb+zn >4%)
USER DESCRIPTION : Massive Sulphides - Pb assays

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	.140
MAXIMUM CUTOFF VALUE	:	21.100
TOTAL NUMBER OF SAMPLES USED	:	2720
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	20.000
CLASS INTERVAL	:	1.000
MINIMUM POPULATION DATA POINT	:	.140
MAXIMUM POPULATION DATA POINT	:	21.100
TOTAL POPULATION	:	2720

	UNGROUPED DATA	GROUPED DATA
--	----------------	--------------

TOTAL NO OF SAMPLES	2720	
ARITHMETIC MEAN	5.3848	5.4076
MEDIAN		5.0189
GEOMETRIC MEAN	4.7909	4.8090
NATURAL LOG MEAN	1.5667	1.5705
STANDARD DEVIATION	2.5602	2.5734
VARIANCE	6.5544	6.6224
COEFFICIENT OF VARIATION	.4754	.4759
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	6.5544	6.6224
MOMENT 3 ABOUT ARITHMETIC MEAN	17.5410	17.4168
MOMENT 4 ABOUT ARITHMETIC MEAN	205.0195	204.3962
MOMENT COEFFICIENT OF SKEWNESS	1.0453	1.0220
MOMENT COEFFICIENT OF KURTOSIS	4.7723	4.6605

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
13:43:19 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_pb.mex
DATA DESCRIPTION : massive sulphide - pb assays (pb+zn >4%)
USER DESCRIPTION : Massive Sulphides - Pb assays

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		<-INCREMENTAL->		< UPPER BND <-----INCREASING----->			>= LOWER BND <-----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.140	1.000	15	.577	15	.577	.55	2720	5.385	100.00
1.000	2.000	107	1.640	122	1.510	4.49	2705	5.411	99.45
2.000	3.000	335	2.527	457	2.255	16.80	2598	5.567	95.51
3.000	4.000	405	3.478	862	2.830	31.69	2263	6.017	83.20
4.000	5.000	490	4.484	1352	3.429	49.71	1858	6.570	68.31
5.000	6.000	423	5.453	1775	3.911	65.26	1368	7.318	50.29
6.000	7.000	337	6.463	2112	4.319	77.65	945	8.152	34.74
7.000	8.000	237	7.423	2349	4.632	86.36	608	9.089	22.35
8.000	9.000	123	8.465	2472	4.823	90.88	371	10.152	13.64
9.000	10.000	95	9.472	2567	4.995	94.38	248	10.989	9.12
10.000	11.000	49	10.410	2616	5.096	96.18	153	11.931	5.63
11.000	12.000	47	11.409	2663	5.207	97.90	104	12.648	3.82
12.000	13.000	26	12.480	2689	5.278	98.86	57	13.670	2.10
13.000	14.000	16	13.416	2705	5.326	99.45	31	14.668	1.14
14.000	15.000	4	14.328	2709	5.339	99.60	15	16.003	.55
15.000	16.000	4	15.422	2713	5.354	99.74	11	16.612	.40
16.000	17.000	4	16.360	2717	5.370	99.89	7	17.291	.26
17.000	18.000	2	17.250	2719	5.379	99.96	3	18.532	.11
18.000	19.000	0	.000	2719	5.379	99.96	1	21.097	.04
19.000	21.100	1	21.100	2720	5.385	100.00	1	21.097	.04

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
13:43:23 Serial no: 20320
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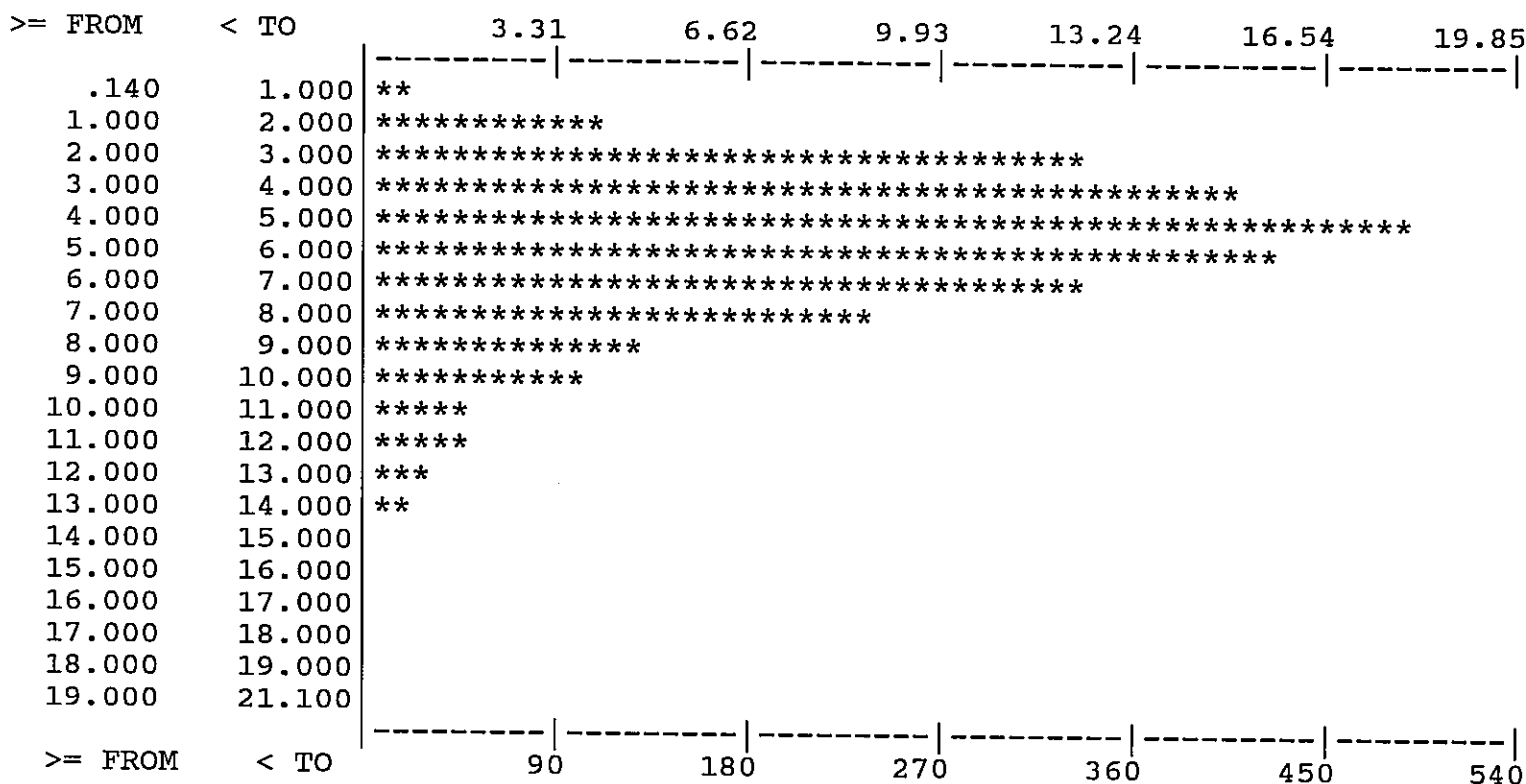
*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_pb.mex
DATA DESCRIPTION : massive sulphide - pb assays (pb+zn >4%)
USER DESCRIPTION : Massive Sulphides - Pb assays

NORMAL HISTOGRAM

FREQUENCY .3309 PERCENT PER STAR



9.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
13:44:58 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

*** ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ds_pb.mex
DATA DESCRIPTION : dissem. sulphides - Pb assays (Pb+Zn >4%)
USER DESCRIPTION : Disseminated Sulphides - Pb assays

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	.040
MAXIMUM CUTOFF VALUE	:	23.000
TOTAL NUMBER OF SAMPLES USED	:	4131
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	20.000
CLASS INTERVAL	:	1.000
MINIMUM POPULATION DATA POINT	:	.040
MAXIMUM POPULATION DATA POINT	:	23.000
TOTAL POPULATION	:	4131

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	4131	
ARITHMETIC MEAN	3.3437	3.3435
MEDIAN		2.7891
GEOMETRIC MEAN	2.8716	2.8508
NATURAL LOG MEAN	1.0549	1.0476
STANDARD DEVIATION	1.9971	2.0287
VARIANCE	3.9883	4.1158
COEFFICIENT OF VARIATION	.5973	.6068
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	3.9883	4.1158
MOMENT 3 ABOUT ARITHMETIC MEAN	13.4862	13.2866
MOMENT 4 ABOUT ARITHMETIC MEAN	118.4556	110.1487
MOMENT COEFFICIENT OF SKEWNESS	1.6932	1.5912
MOMENT COEFFICIENT OF KURTOSIS	7.4468	6.5023

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
13:45: 1 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ds_pb.mex
DATA DESCRIPTION : dissem. sulphides - Pb assays (Pb+Zn >4%)
USER DESCRIPTION : Disseminated Sulphides - Pb assays

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL >= FROM < TO		<--INCREMENTAL-->		< UPPER BND -----INCREASING----->			>= LOWER BND -----DECREASING----->		
		COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.040	1.000	47	.650	47	.650	1.14	4131	3.344	100.00
1.000	2.000	1111	1.630	1158	1.591	28.03	4084	3.375	98.86
2.000	3.000	1150	2.468	2308	2.028	55.87	2973	4.026	71.97
3.000	4.000	725	3.430	3033	2.363	73.42	1823	5.009	44.13
4.000	5.000	401	4.457	3434	2.608	83.13	1098	6.052	26.58
5.000	6.000	241	5.421	3675	2.792	88.96	697	6.970	16.87
6.000	7.000	171	6.454	3846	2.955	93.10	456	7.788	11.04
7.000	8.000	116	7.468	3962	3.087	95.91	285	8.589	6.90
8.000	9.000	79	8.405	4041	3.191	97.82	169	9.359	4.09
9.000	10.000	53	9.431	4094	3.272	99.10	90	10.196	2.18
10.000	11.000	23	10.284	4117	3.311	99.66	37	11.291	.90
11.000	12.000	7	11.457	4124	3.325	99.83	14	12.946	.34
12.000	13.000	4	12.360	4128	3.334	99.93	7	14.434	.17
13.000	14.000	1	13.100	4129	3.336	99.95	3	17.199	.07
14.000	15.000	0	.000	4129	3.336	99.95	2	19.249	.05
15.000	16.000	1	15.500	4130	3.339	99.98	2	19.249	.05
16.000	17.000	0	.000	4130	3.339	99.98	1	22.997	.02
17.000	18.000	0	.000	4130	3.339	99.98	1	22.997	.02
18.000	19.000	0	.000	4130	3.339	99.98	1	22.997	.02
19.000	23.000	1	23.000	4131	3.344	100.00	1	22.997	.02

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
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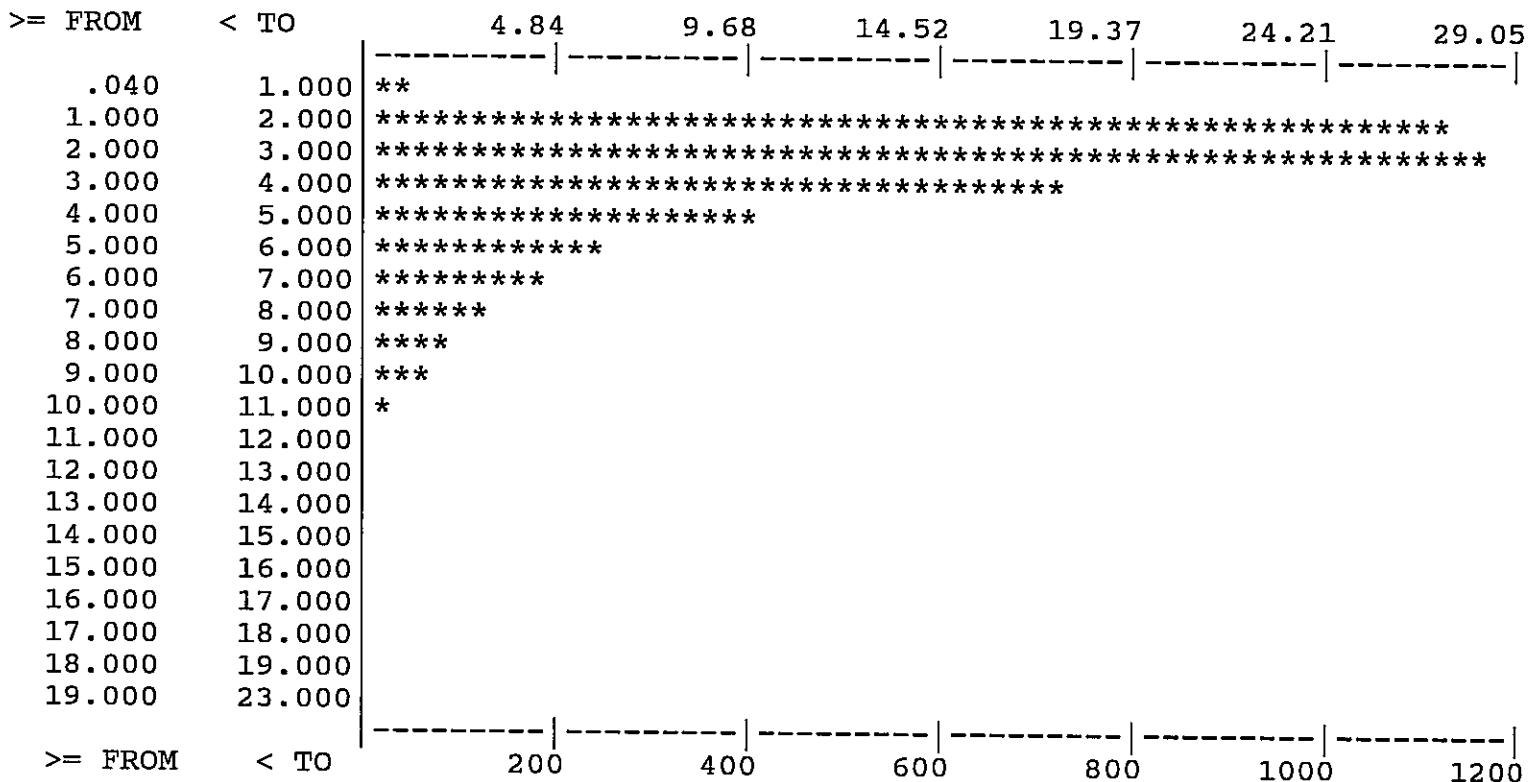
*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ds_pb.mex
DATA DESCRIPTION : dissem. sulphides - Pb assays (Pb+Zn >4%)
USER DESCRIPTION : Disseminated Sulphides - Pb assays

NORMAL HISTOGRAM

FREQUENCY .4841 PERCENT PER STAR



20.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

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GRUM DRILLHOLE DATABASE

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_zn.mex
DATA DESCRIPTION : massive sulph Zn assays (Pb+Zn>4%)
USER DESCRIPTION : Massive Sulphide - Zn assays

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	.800
MAXIMUM CUTOFF VALUE	:	32.400
TOTAL NUMBER OF SAMPLES USED	:	2720
MINIMUM HISTOGRAM VALUE	:	1.000
MAXIMUM HISTOGRAM VALUE	:	36.000
CLASS INTERVAL	:	1.000
MINIMUM POPULATION DATA POINT	:	.800
MAXIMUM POPULATION DATA POINT	:	32.400
TOTAL POPULATION	:	2720

UNGROUPED DATA GROUPED DATA

TOTAL NO OF SAMPLES	2720	
ARITHMETIC MEAN	8.6147	8.6464
MEDIAN		7.8832
GEOMETRIC MEAN	7.3955	7.4145
NATURAL LOG MEAN	2.0009	2.0034
STANDARD DEVIATION	4.6648	4.6784
VARIANCE	21.7602	21.8878
COEFFICIENT OF VARIATION	.5415	.5411
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	21.7602	21.8878
MOMENT 3 ABOUT ARITHMETIC MEAN	97.4083	97.1093
MOMENT 4 ABOUT ARITHMETIC MEAN	1839.3350	1852.0140
MOMENT COEFFICIENT OF SKEWNESS	.9596	.9483
MOMENT COEFFICIENT OF KURTOSIS	3.8845	3.8658

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_zn.mex
DATA DESCRIPTION : massive sulph Zn assays (Pb+Zn>4%)
USER DESCRIPTION : Massive Sulphide - Zn assays

FREQUENCY DISTRIBUTIONS

CLASS INTERVAL		<-INCREMENTAL->		< UPPER BND <-----INCREASING----->			>= LOWER BND <-----DECREASING----->		
>= FROM	< TO	COUNT	MEAN	CUM COUNT	CUM MEAN	CUM FREQ PERCENT	CUM COUNT	CUM MEAN	CUM FREQ PERCENT
.800	1.080	2	.825	2	.825	.07	2720	8.615	100.00
1.080	2.160	52	1.811	54	1.775	1.99	2718	8.620	99.93
2.160	3.240	216	2.764	270	2.567	9.93	2666	8.753	98.01
3.240	4.320	250	3.785	520	3.152	19.12	2450	9.281	90.07
4.320	5.400	243	4.907	763	3.711	28.05	2200	9.906	80.88
5.400	6.480	229	5.948	992	4.228	36.47	1957	10.526	71.95
6.480	7.560	288	7.030	1280	4.858	47.06	1728	11.133	63.53
7.560	8.640	294	8.091	1574	5.462	57.87	1440	11.954	52.94
8.640	9.720	243	9.180	1817	5.959	66.80	1146	12.945	42.13
9.720	10.800	198	10.273	2015	6.383	74.08	903	13.958	33.20
10.800	11.880	125	11.320	2140	6.672	78.68	705	14.993	25.92
11.880	12.960	129	12.409	2269	6.998	83.42	580	15.784	21.32
12.960	14.040	87	13.498	2356	7.238	86.62	451	16.750	16.58
14.040	15.120	70	14.573	2426	7.449	89.19	364	17.527	13.38
15.120	16.200	81	15.612	2507	7.713	92.17	294	18.230	10.81
16.200	17.280	57	16.737	2564	7.914	94.26	213	19.226	7.83
17.280	18.360	47	17.797	2611	8.092	95.99	156	20.136	5.74
18.360	19.440	26	18.809	2637	8.197	96.95	109	21.144	4.01
19.440	20.520	33	19.951	2670	8.343	98.16	83	21.875	3.05
20.520	21.600	15	21.019	2685	8.413	98.71	50	23.146	1.84
21.600	22.680	9	22.178	2694	8.459	99.04	35	24.057	1.29
22.680	23.760	13	23.162	2707	8.530	99.52	26	24.708	.96
23.760	24.840	4	24.125	2711	8.553	99.67	13	26.254	.48
24.840	25.920	2	25.350	2713	8.565	99.74	9	27.200	.33
25.920	27.000	4	26.725	2717	8.592	99.89	7	27.729	.26
27.000	28.080	2	27.400	2719	8.606	99.96	3	29.067	.11
28.080	29.160	0	.000	2719	8.606	99.96	1	32.401	.04
29.160	30.240	0	.000	2719	8.606	99.96	1	32.401	.04
30.240	31.320	0	.000	2719	8.606	99.96	1	32.401	.04
31.320	32.400	1	32.400	2720	8.615	100.00	1	32.401	.04

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

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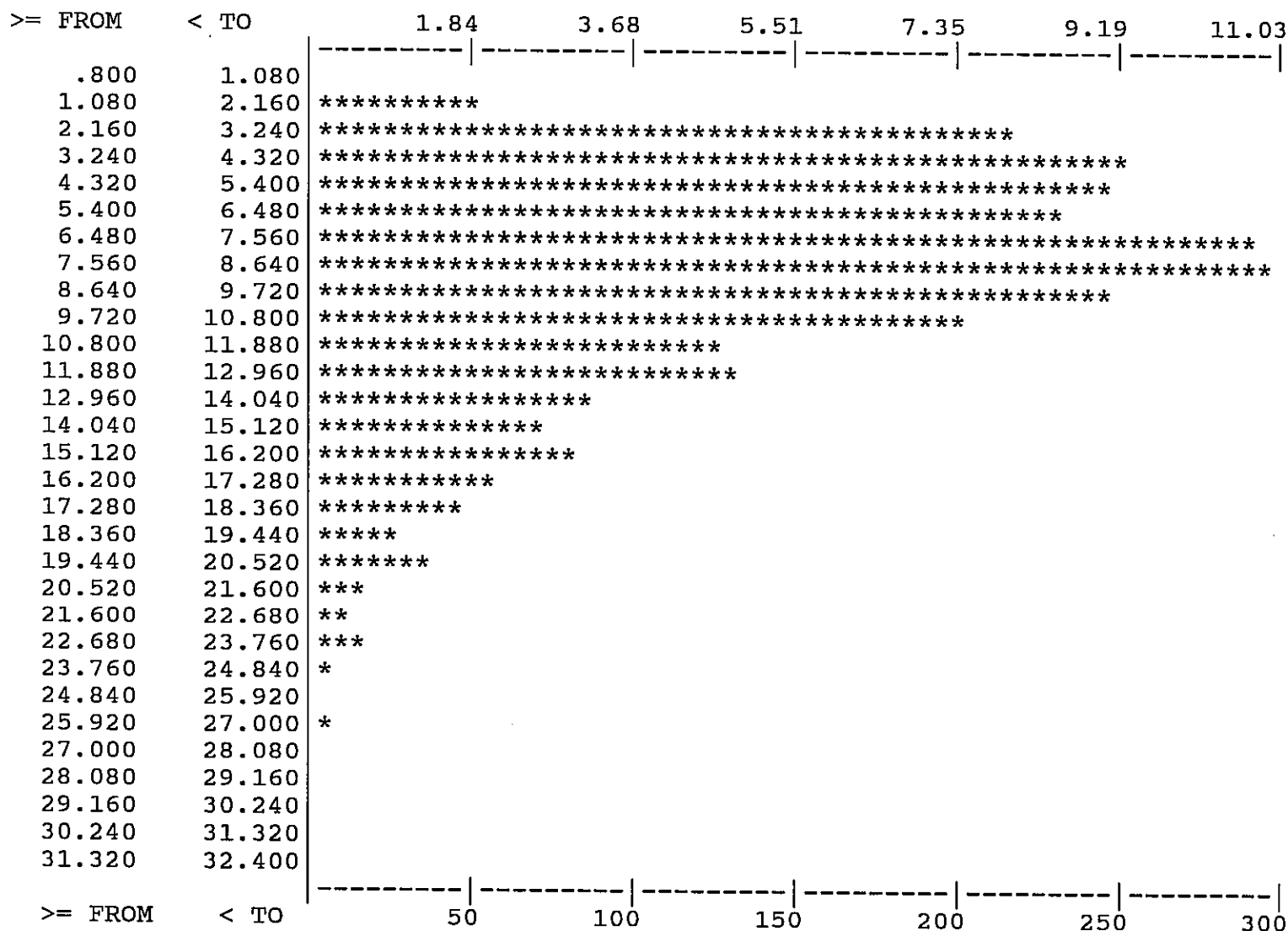
*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_zn.mex
DATA DESCRIPTION : massive sulph Zn assays (Pb+Zn>4%)
USER DESCRIPTION : Massive Sulphide - Zn assays

NORMAL HISTOGRAM

FREQUENCY .1838 PERCENT PER STAR



5.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30	Curragh Resources In	
Exploration Data Manager	13:40:54	Serial no: 20320
By GEMCOM SERVICES INC.	22/11/91	Page : 1
***	GRUM DRILLHOLE DATABASE	***
***		***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ds_zn.mex
 DATA DESCRIPTION : disseminated sulph - zinc assays (Pb+Zn>4%)
 USER DESCRIPTION : Disseminated sulphides - Zn assays

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	.440
MAXIMUM CUTOFF VALUE	:	27.000
TOTAL NUMBER OF SAMPLES USED	:	4131
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	30.000
CLASS INTERVAL	:	1.000
MINIMUM POPULATION DATA POINT	:	.440
MAXIMUM POPULATION DATA POINT	:	27.000
TOTAL POPULATION	:	4131

	UNGROUPED DATA	GROUPED DATA
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TOTAL NO OF SAMPLES	4131	
ARITHMETIC MEAN	5.9072	5.9294
MEDIAN		4.8249
GEOMETRIC MEAN	5.1104	5.1218
NATURAL LOG MEAN	1.6313	1.6335
STANDARD DEVIATION	3.5974	3.6181
VARIANCE	12.9410	13.0905
COEFFICIENT OF VARIATION	.6090	.6102
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	12.9410	13.0905
MOMENT 3 ABOUT ARITHMETIC MEAN	88.9591	90.0684
MOMENT 4 ABOUT ARITHMETIC MEAN	1220.6080	1249.9790
MOMENT COEFFICIENT OF SKEWNESS	1.9109	1.9017
MOMENT COEFFICIENT OF KURTOSIS	7.2885	7.2945

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
13:40:57 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ds_zn.mex
DATA DESCRIPTION : disseminated sulph - zinc assays (Pb+Zn>4%)
USER DESCRIPTION : Disseminated sulphides - Zn assays

FREQUENCY DISTRIBUTIONS

		< UPPER BND						>= LOWER BND		
		<--INCREMENTAL-->		<-----INCREASING----->				<-----DECREASING----->		
CLASS INTERVAL		COUNT	MEAN	CUM	CUM	CUM FREQ	CUM	CUM	CUM FREQ	
>= FROM < TO				COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT	
.440	1.000	4	.725	4	.725	.10	4131	5.907	100.00	
1.000	2.000	56	1.597	60	1.539	1.45	4127	5.912	99.90	
2.000	3.000	490	2.630	550	2.511	13.31	4071	5.972	98.55	
3.000	4.000	896	3.477	1446	3.109	35.00	3581	6.429	86.69	
4.000	5.000	751	4.453	2197	3.569	53.18	2685	7.414	65.00	
5.000	6.000	507	5.433	2704	3.918	65.46	1934	8.564	46.82	
6.000	7.000	379	6.467	3083	4.232	74.63	1427	9.676	34.54	
7.000	8.000	239	7.469	3322	4.464	80.42	1048	10.836	25.37	
8.000	9.000	201	8.455	3523	4.692	85.28	809	11.831	19.58	
9.000	10.000	141	9.408	3664	4.874	88.70	608	12.948	14.72	
10.000	11.000	93	10.398	3757	5.010	90.95	467	14.016	11.30	
11.000	12.000	83	11.481	3840	5.150	92.96	374	14.916	9.05	
12.000	13.000	52	12.485	3892	5.248	94.21	291	15.896	7.04	
13.000	14.000	39	13.452	3931	5.330	95.16	239	16.638	5.79	
14.000	15.000	39	14.485	3970	5.420	96.10	200	17.259	4.84	
15.000	16.000	34	15.416	4004	5.504	96.93	161	17.931	3.90	
16.000	17.000	34	16.462	4038	5.597	97.75	127	18.605	3.07	
17.000	18.000	28	17.481	4066	5.679	98.43	93	19.388	2.25	
18.000	19.000	21	18.338	4087	5.744	98.93	65	20.210	1.57	
19.000	20.000	14	19.398	4101	5.790	99.27	44	21.103	1.07	
20.000	21.000	14	20.368	4115	5.840	99.61	30	21.898	.73	
21.000	22.000	5	21.222	4120	5.858	99.73	16	23.238	.39	
22.000	23.000	2	22.385	4122	5.866	99.78	11	24.154	.27	
23.000	24.000	4	23.503	4126	5.884	99.88	9	24.547	.22	
24.000	25.000	2	24.035	4128	5.892	99.93	5	25.383	.12	
25.000	26.000	1	25.400	4129	5.897	99.95	3	26.282	.07	
26.000	27.000	1	26.450	4130	5.902	99.98	2	26.722	.05	
27.000	28.000	1	27.000	4131	5.907	100.00	1	26.995	.02	
28.000	29.000	0	.000	4131	5.907	100.00	0	26.995	.00	
29.000	27.000	0	.000	4131	5.907	100.00	0	26.995	.00	

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
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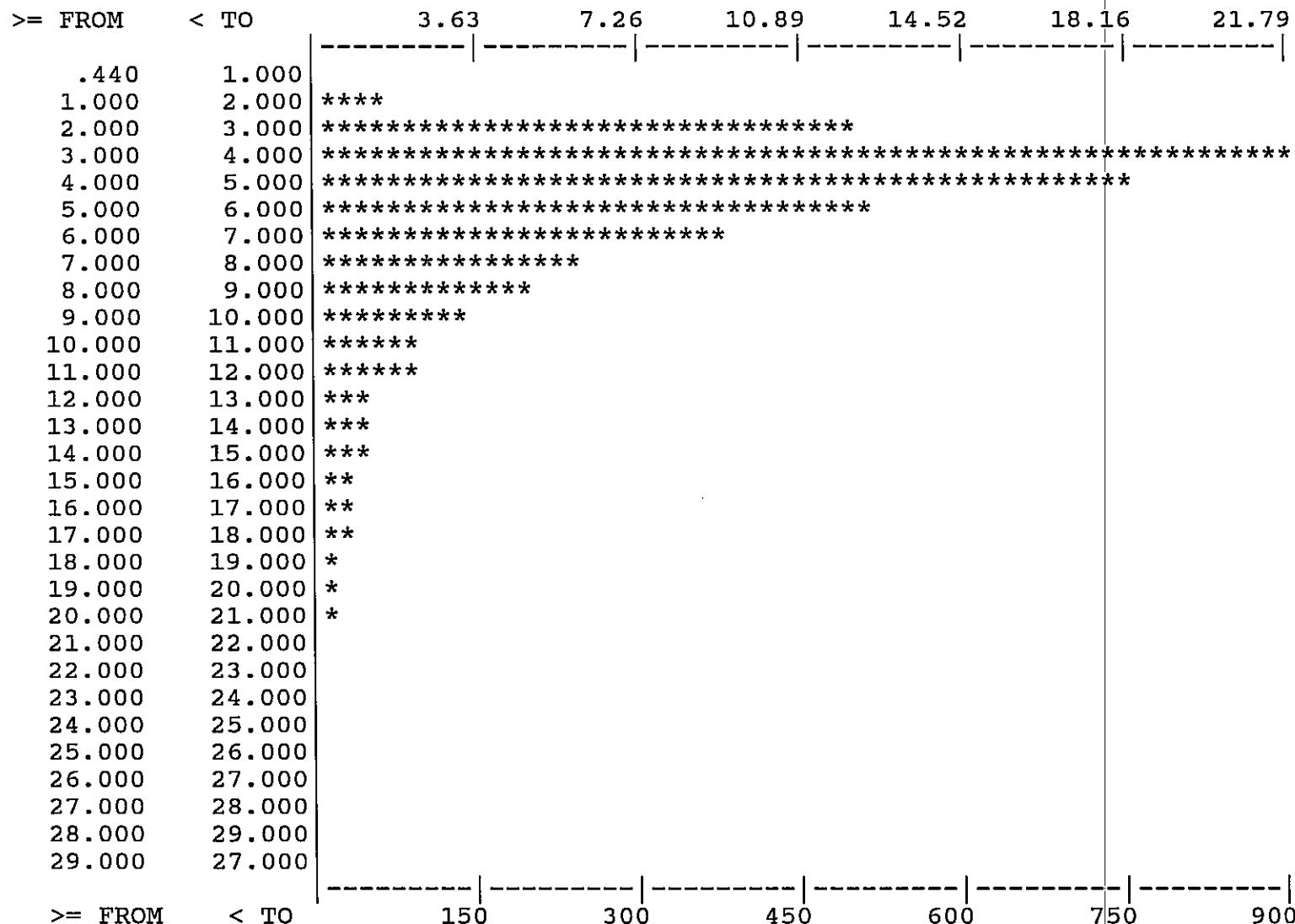
*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ds_zn.mex
DATA DESCRIPTION : disseminated sulph - zinc assays (Pb+Zn>4%)
USER DESCRIPTION : Disseminated sulphides - Zn assays

NORMAL HISTOGRAM

FREQUENCY .3631 PERCENT PER STAR



15.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30
 Exploration Data Manager
 By GEMCOM SERVICES INC.

Curragh Resources In
 13:47:37 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_cu.mex
 DATA DESCRIPTION : massive sulph cu assays (Pb+Zn>4%)
 USER DESCRIPTION : Massive Sulphide - Cu assays

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	-1.000
MAXIMUM CUTOFF VALUE	:	1.040
TOTAL NUMBER OF SAMPLES USED	:	2720
NO. OF POINTS LESS THAN OR EQUAL TO ZERO	:	551
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	1.000
CLASS INTERVAL	:	.050
MINIMUM POPULATION DATA POINT	:	-1.000
MAXIMUM POPULATION DATA POINT	:	1.040
TOTAL POPULATION	:	2720

| | UNGROUPED DATA | GROUPED DATA | |--|----------------|--------------| |--|----------------|--------------|

TOTAL NO OF SAMPLES	2720	
ARITHMETIC MEAN	-.0854	-.0217
MEDIAN		.1126
GEOMETRIC MEAN	.1172	.1848
NATURAL LOG MEAN	-2.1438	-1.6883
STANDARD DEVIATION	.4679	.3002
VARIANCE	.2189	.0901
COEFFICIENT OF VARIATION	-5.4790	-13.8197
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.2189	.0901
MOMENT 3 ABOUT ARITHMETIC MEAN	-.1397	-.0192
MOMENT 4 ABOUT ARITHMETIC MEAN	.1474	.0151
MOMENT COEFFICIENT OF SKEWNESS	-1.3634	-.7115
MOMENT COEFFICIENT OF KURTOSIS	3.0744	1.8652

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

NUMBER OF POINTS EXCLUDED FOR LOG CALCULATION : 551

PC-XPLOR VERSION 1.30
 Exploration Data Manager
 By GEMCOM SERVICES INC.

Curragh Resources In
 13:47:40 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_cu.mex
 DATA DESCRIPTION : massive sulph cu assays (Pb+Zn>4%)
 USER DESCRIPTION : Massive Sulphide - Cu assays

FREQUENCY DISTRIBUTIONS

		< UPPER BND				>= LOWER BND			
		<--INCREMENTAL-->		-----INCREASING-----		>-----DECREASING----->			
CLASS INTERVAL		COUNT	MEAN	CUM	CUM	CUM FREQ	CUM	CUM	CUM FREQ
>= FROM	< TO			COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT
-1.00000	.05000	798	-.68170	798	-.68170	29.34	2720	-.08540	100.00
.050	.100	443	.071	1241	-.413	45.63	1922	.162	70.66
.100	.150	474	.121	1715	-.265	63.05	1479	.189	54.38
.150	.200	450	.169	2165	-.175	79.60	1005	.222	36.95
.200	.250	304	.221	2469	-.126	90.77	555	.264	20.40
.250	.300	128	.271	2597	-.107	95.48	251	.317	9.23
.300	.350	80	.322	2677	-.094	98.42	123	.364	4.52
.350	.400	19	.369	2696	-.091	99.12	43	.443	1.58
.400	.450	14	.418	2710	-.088	99.63	24	.502	.88
.450	.500	3	.483	2713	-.087	99.74	10	.619	.37
.500	.550	2	.538	2715	-.087	99.82	7	.677	.26
.550	.600	0	.000	2715	-.087	99.82	5	.732	.18
.600	.650	3	.633	2718	-.086	99.93	5	.732	.18
.650	.700	0	.000	2718	-.086	99.93	2	.880	.07
.700	.750	1	.720	2719	-.086	99.96	2	.880	.07
.750	.800	0	.000	2719	-.086	99.96	1	1.040	.04
.800	.850	0	.000	2719	-.086	99.96	1	1.040	.04
.850	.900	0	.000	2719	-.086	99.96	1	1.040	.04
.900	.950	0	.000	2719	-.086	99.96	1	1.040	.04
.950	1.040	1	1.040	2720	-.085	100.00	1	1.040	.04

NB : (GM) - GEOMETRIC MEAN

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

GRUM DRILLHOLE DATABASE

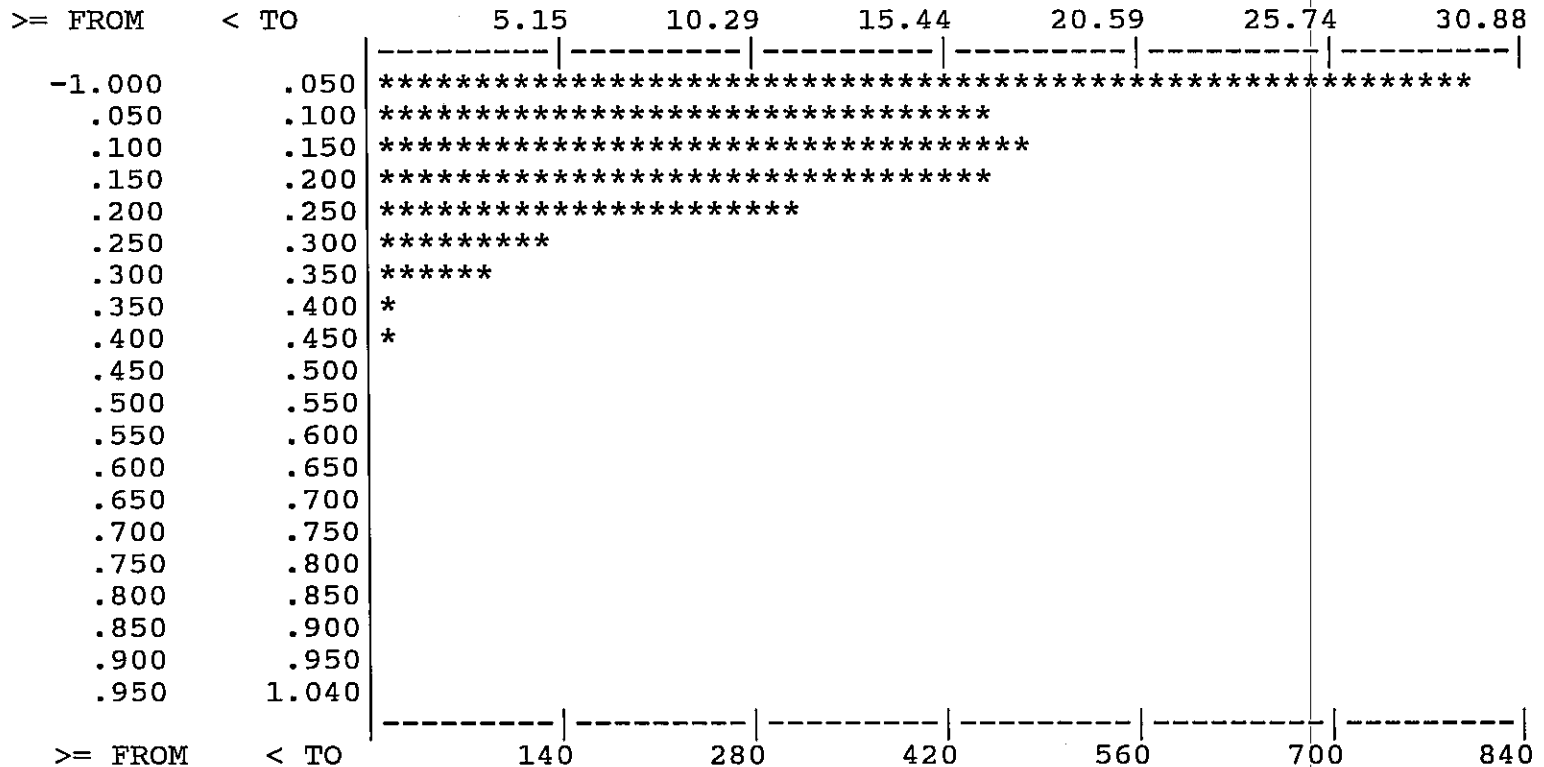
Curragh Resources In
13:47:44 Serial no: 20320
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CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ms_cu.mex
DATA DESCRIPTION : massive sulph cu assays (Pb+Zn>4%)
USER DESCRIPTION : Massive Sulphide - Cu assays

NORMAL HISTOGRAM

FREQUENCY .5147 PERCENT PER STAR



14.0000 COUNTS PER STAR

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
13:49:31 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ds_cu.mex
DATA DESCRIPTION : dissem sulph cu assays (Pb+Zn>4%)
USER DESCRIPTION : Disseminated Sulphides - Cu assays

DATA VALUES ENTERED

MINIMUM CUTOFF VALUE	:	.001
MAXIMUM CUTOFF VALUE	:	5.000
TOTAL NUMBER OF SAMPLES USED	:	3179
MINIMUM HISTOGRAM VALUE	:	.000
MAXIMUM HISTOGRAM VALUE	:	1.500
CLASS INTERVAL	:	.050
MINIMUM POPULATION DATA POINT	:	.001
MAXIMUM POPULATION DATA POINT	:	5.000
TOTAL POPULATION	:	3179

	UNGROUPED DATA	GROUPED DATA
--	----------------	--------------

TOTAL NO OF SAMPLES	3179	
ARITHMETIC MEAN	.0731	.0757
MEDIAN		.0553
GEOMETRIC MEAN	.0510	.0541
NATURAL LOG MEAN	-2.9767	-2.9163
STANDARD DEVIATION	.1112	.0895
VARIANCE	.0124	.0080
COEFFICIENT OF VARIATION	1.5217	1.1814
MOMENT 1 ABOUT ARITHMETIC MEAN	.0000	.0000
MOMENT 2 ABOUT ARITHMETIC MEAN	.0124	.0080
MOMENT 3 ABOUT ARITHMETIC MEAN	.0386	.0107
MOMENT 4 ABOUT ARITHMETIC MEAN	.1857	.0313
MOMENT COEFFICIENT OF SKEWNESS	28.0617	14.9832
MOMENT COEFFICIENT OF KURTOSIS	1216.2980	488.6074

NB. LOG MEANS CALCULATED ON SAMPLES ABOVE ZERO

PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

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*** GRUM DRILLHOLE DATABASE ***

CLASSICAL STATISTICS AND HISTOGRAMS

EXTRACTION FILENAME : ds_cu.mex
DATA DESCRIPTION : disseminated sulph cu assays (Pb+Zn>4%)
USER DESCRIPTION : Disseminated Sulphides - Cu assays

FREQUENCY DISTRIBUTIONS

		< UPPER BND						>= LOWER BND		
		<-INCREMENTAL->		<-----INCREASING----->				<-----DECREASING----->		
CLASS	INTERVAL	COUNT	MEAN	CUM	CUM	CUM	FREQ	CUM	CUM	FREQ
>= FROM	< TO			COUNT	MEAN	PERCENT	COUNT	MEAN	PERCENT	
.00100	.05000	1487	.02791	1487	.02791	46.78	3179	.07305	100.00	
.050	.100	970	.066	2457	.043	77.29	1692	.113	53.22	
.100	.150	383	.117	2840	.053	89.34	722	.176	22.71	
.150	.200	148	.168	2988	.059	93.99	339	.243	10.66	
.200	.250	108	.219	3096	.064	97.39	191	.301	6.01	
.250	.300	30	.275	3126	.066	98.33	83	.406	2.61	
.300	.350	23	.324	3149	.068	99.06	53	.481	1.67	
.350	.400	8	.377	3157	.069	99.31	30	.601	.94	
.400	.450	12	.415	3169	.070	99.69	22	.682	.69	
.450	.500	4	.490	3173	.071	99.81	10	1.002	.31	
.500	.550	3	.520	3176	.071	99.91	6	1.343	.19	
.550	.600	0	.000	3176	.071	99.91	3	2.167	.09	
.600	.650	1	.610	3177	.071	99.94	3	2.167	.09	
.650	.700	0	.000	3177	.071	99.94	2	2.945	.06	
.700	.750	0	.000	3177	.071	99.94	2	2.945	.06	
.750	.800	0	.000	3177	.071	99.94	2	2.945	.06	
.800	.850	0	.000	3177	.071	99.94	2	2.945	.06	
.850	.900	1	.890	3178	.072	99.97	2	2.945	.06	
.900	.950	0	.000	3178	.072	99.97	1	5.000	.03	
.950	1.000	0	.000	3178	.072	99.97	1	5.000	.03	
1.000	1.050	0	.000	3178	.072	99.97	1	5.000	.03	
1.050	1.100	0	.000	3178	.072	99.97	1	5.000	.03	
1.100	1.150	0	.000	3178	.072	99.97	1	5.000	.03	
1.150	1.200	0	.000	3178	.072	99.97	1	5.000	.03	
1.200	1.250	0	.000	3178	.072	99.97	1	5.000	.03	
1.250	1.300	0	.000	3178	.072	99.97	1	5.000	.03	
1.300	1.350	0	.000	3178	.072	99.97	1	5.000	.03	
1.350	1.400	0	.000	3178	.072	99.97	1	5.000	.03	
1.400	1.450	0	.000	3178	.072	99.97	1	5.000	.03	
1.450	5.000	1	5.000	3179	.073	100.00	1	5.000	.03	

NB : (GM) - GEOMETRIC MEAN

C-XPLOR VERSION 1.30
Exploration Data Manager
by GEMCOM SERVICES INC.

Curragh Resources Inc
19:59:43 Serial no: 20320
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*** GRUM DRILLHOLE DATABASE ***

PRINTOUT OF DATABASE STRUCTURE INFORMATION

Database Filename : E:\GRUM\GRUM.G5B

Table Number : 1
Table Name : HEADER
Number of Fields : 8

Field name	Code	Mark	Type	Minimum	Maximum	Default
HOLE-ID	1:1	Optional	String		8	GRUM
LOCATION	1:2	Optional	Local			
(X-COORD)	1:2:1		Real	-1.0	20000.0	-1.0
(Y-COORD)	1:2:2		Real	-1.0	20000.0	-1.0
(Z-COORD)	1:2:3		Real	-1.0	1400.0	-1.0
LENGTH	1:3	Optional	Real	-1.0	4000.0	-1.0
RECORD	1:4	Optional	Integer	-1	1000	-1
TYPE	1:5	Optional	String		6	DDH
SECTION	1:6	Optional	String		15	
COMPOSITE	1:7	Optional	String		12	6 ME
SHALLOWDH	1:8	Optional	Integer	0	1	0

Table Number : 2
Table Name : SURVEYS
Number of Fields : 3

Field name	Code	Mark	Type	Minimum	Maximum	Default
DISTANCE	2:1	Optional	Real	-1.0	4000.0	.0
DIP	2:2	Optional	Real	-90.0	90.0	-90.0
AZIMUTH	2:3	Optional	Real	.0	360.0	.0

Table Number : 3
Table Name : LITHOLOGY
Number of Fields : 6

Field name	Code	Mark	Type	Minimum	Maximum	Default
FROM	3:1	Optional	Real	-1.0	4000.0	-1.0
TO	3:2	Optional	Real	-1.0	4000.0	-1.0
ROCK CODE	3:3	Optional	Integer	-1	999	-1
SIMPLE RX	3:4	Optional	Integer	-1	999	-1
HORIZON	3:5	Optional	Integer	-1	10	-1
PLOTUNIT	3:6	Optional	Integer	-1	1000	-1

GRUM DRILLHOLE DATABASE

Table Number : 4
Table Name : ASSAYS
Number of Fields : 27

Field name	Code	Mark	Type	Minimum	Maximum	Default
FROM	4:1	Optional	Real	-1.0	4000.0	-1.0
TO	4:2	Optional	Real	-1.0	4000.0	-1.0
INTERVAL	4:3	Optional	Real	-1.0	4000.0	-1.0
RECOVERY	4:4	Optional	Real	-1.0	4000.0	-1.0
RECOVERY %	4:5	Optional	Integer	-1	100	-1
SAMPLE #	4:6	Optional	Integer	-1	999999	-1
ROCK TYPE	4:7	Optional	String		8	
ROCK CODE	4:8	Optional	Integer	-1	999	-1
SIMPLE RX	4:9	Optional	Integer	-1	999	-1
HORIZON	4:10	Optional	Integer	-1	10	-1
PLOTUNIT	4:11	Optional	Integer	-1	1000	-1
SG-PULP	4:12	Optional	Real	-1.00	10.00	-1.00
PB+ZN%	4:13	Optional	Real	-1.00	100.00	-1.00
PB%	4:14	Optional	Real	-1.00	100.00	-1.00
ZN%	4:15	Optional	Real	-1.00	100.00	-1.00
AG G/T	4:16	Optional	Real	-1.0	1000.0	-1.0
AU G/T	4:17	Optional	Real	-1.00	500.00	-1.00
TOTAL FE	4:18	Optional	Real	-1.00	100.00	-1.00
SOL FE	4:19	Optional	Real	-1.00	100.00	-1.00
INSOL FE	4:20	Optional	Real	-1.00	100.00	-1.00
BA	4:21	Optional	Real	-1.00	100.00	-1.00
CUT SG	4:22	Optional	Real	-1.00	10.00	-1.00
CUT PB+ZN	4:23	Optional	Real	-1.00	100.00	-1.00
CUT PB	4:24	Optional	Real	-1.00	100.00	-1.00
CUT ZN	4:25	Optional	Real	-1.00	100.00	-1.00
CUT AG	4:26	Optional	Real	-1.0	1000.0	-1.0
CUT AU	4:27	Optional	Real	-1.00	500.00	-1.00

Table Number : 5
Table Name : COMPOSITE1
Number of Fields : 20

Field name	Code	Mark	Type	Minimum	Maximum	Default
FROM	5:1	Optional	Real	-1.0	4000.0	-1.0
TO	5:2	Optional	Real	-1.0	4000.0	-1.0
INTERVAL	5:3	Optional	Real	-1.0	4000.0	-1.0
ROCK CODE	5:4	Optional	Integer	-1	999	-1
SIMPLE RX	5:5	Optional	Integer	-1	999	-1
HORIZON	5:6	Optional	Integer	-1	10	-1
PLOTUNIT	5:7	Optional	Integer	-1	1000	-1
RECORD #	5:8	Optional	Integer	-1	99999	-1
COMP-ID	5:9	Optional	String		10	
SG-PULP	5:10	Optional	Real	-1.00	7.2-10.00	-1.00
SG-REDUCED	5:11	Optional	Real	-1.00	7.2-10.00	-1.00
PB+ZN%	5:12	Optional	Real	-1.00	100.00	-1.00
PB%	5:13	Optional	Real	-1.00	100.00	-1.00

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Exploration Data Manager
By GEMCOM SERVICES INC.

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*** GRUM DRILLHOLE DATABASE ***

ZN%	5:14	Optional	Real	-1.00	100.00	-1.00
AG G/T	5:15	Optional	Real	-1.0	1000.0	-1.0
AU G/T	5:16	Optional	Real	-1.00	500.00	-1.00
TOTAL FE	5:17	Optional	Real	-1.00	100.00	-1.00
SOL FE	5:18	Optional	Real	-1.00	100.00	-1.00
INSOL FE	5:19	Optional	Real	-1.00	100.00	-1.00
BA	5:20	Optional	Real	-1.00	100.00	-1.00

Table Number : 6
Table Name : COMPOSITE2
Number of Fields : 20

Field name	Code	Mark	Type	Minimum	Maximum	Default
FROM	6:1	Optional	Real	-1.0	4000.0	-1.0
TO	6:2	Optional	Real	-1.0	4000.0	-1.0
INTERVAL	6:3	Optional	Real	-1.0	4000.0	-1.0
ROCK CODE	6:4	Optional	Integer	-1	999	-1
SIMPLE RX	6:5	Optional	Integer	-1	999	-1
HORIZON	6:6	Optional	Integer	-1	10	-1
PLOTUNIT	6:7	Optional	Integer	-1	1000	-1
RECORD #	6:8	Optional	Integer	-1	99999	-1
COMP-ID	6:9	Optional	String		10	
SG-PULP	6:10	Optional	Real	-1.00	10.00	-1.00
SG-REDUCED	6:11	Optional	Real	-1.00	10.00	-1.00
PB+ZN%	6:12	Optional	Real	-1.00	100.00	-1.00
PB%	6:13	Optional	Real	-1.00	100.00	-1.00
ZN%	6:14	Optional	Real	-1.00	100.00	-1.00
AG G/T	6:15	Optional	Real	-1.0	1000.0	-1.0
AU G/T	6:16	Optional	Real	-1.00	500.00	-1.00
TOTAL FE	6:17	Optional	Real	-1.00	100.00	-1.00
SOL FE	6:18	Optional	Real	-1.00	100.00	-1.00
INSOL FE	6:19	Optional	Real	-1.00	100.00	-1.00
BA	6:20	Optional	Real	-1.00	100.00	-1.00

Table Number : 7
Table Name : COMPOSITE3
Number of Fields : 20

Field name	Code	Mark	Type	Minimum	Maximum	Default
FROM	7:1	Optional	Real	-1.0	4000.0	-1.0
TO	7:2	Optional	Real	-1.0	4000.0	-1.0
INTERVAL	7:3	Optional	Real	-1.0	4000.0	-1.0
ROCK CODE	7:4	Optional	Integer	-1	999	-1
SIMPLE RX	7:5	Optional	Integer	-1	999	-1
HORIZON	7:6	Optional	Integer	-1	10	-1
PLOTUNIT	7:7	Optional	Integer	-1	999	-1
RECORD #	7:8	Optional	Integer	-1	99999	-1
COMP-ID	7:9	Optional	String		10	
SG-PULP	7:10	Optional	Real	-1.00	10.00	-1.00
SG-REDUCED	7:11	Optional	Real	-1.00	10.00	-1.00

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PC-XPLOR VERSION 1.30
Exploration Data Manager
By GEMCOM SERVICES INC.

Curragh Resources In
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*** GRUM DRILLHOLE DATABASE ***

PB+ZN%	7:12	Optional	Real	-1.00	100.00	-1.00
PB%	7:13	Optional	Real	-1.00	100.00	-1.00
ZN%	7:14	Optional	Real	-1.00	100.00	-1.00
AG G/T	7:15	Optional	Real	-1.0	1000.0	-1.0
AU G/T	7:16	Optional	Real	-1.00	500.00	-1.00
TOTAL FE	7:17	Optional	Real	-1.00	100.00	-1.00
SOL FE	7:18	Optional	Real	-1.00	100.00	-1.00
INSOL FE	7:19	Optional	Real	-1.00	100.00	-1.00
BA	7:20	Optional	Real	-1.00	100.00	-1.00

Table Number : 8
Table Name : COMPOSITE4
Number of Fields : 20

Field name	Code	Mark	Type	Minimum	Maximum	Default
FROM	8:1	Optional	Real	-1.0	4000.0	-1.0
TO	8:2	Optional	Real	-1.0	4000.0	-1.0
INTERVAL	8:3	Optional	Real	-1.0	4000.0	-1.0
ROCK CODE	8:4	Optional	Integer	-1	999	-1
SIMPLE RX	8:5	Optional	Integer	-1	999	-1
HORIZON	8:6	Optional	Integer	-1	10	-1
PLOTUNIT	8:7	Optional	Integer	-1	1000	-1
RECORD #	8:8	Optional	Integer	-1	99999	-1
COMP-ID	8:9	Optional	String		10	
SG-PULP	8:10	Optional	Real	-1.00	10.00	-1.00
SG-REDUCED	8:11	Optional	Real	-1.00	10.00	-1.00
PB+ZN%	8:12	Optional	Real	-1.00	100.00	-1.00
PB%	8:13	Optional	Real	-1.00	100.00	-1.00
ZN%	8:14	Optional	Real	-1.00	100.00	-1.00
AG G/T	8:15	Optional	Real	-1.0	1000.0	-1.0
AU G/T	8:16	Optional	Real	-1.00	500.00	-1.00
TOTAL FE	8:17	Optional	Real	-1.00	100.00	-1.00
SOL FE	8:18	Optional	Real	-1.00	100.00	-1.00
INSOL FE	8:19	Optional	Real	-1.00	100.00	-1.00
BA	8:20	Optional	Real	-1.00	100.00	-1.00

GRUM DRILLHOLE DATABASE

CURRAGH RESOURCES INC.
Drill Hole Collars

Record	Drill Hole	Northing	UTM Easting	Elev	Depth (m)	Section	Type	Core Size
1	567506	6322.5	3056.1	1299.9	157.3	W 72	DDH	NQ
2	567507	6322.6	2995.2	1299.9	288.3	W 72	DDH	NQ
3	567509	7668.8	2650.4	1303.0	524.2	W 116	DDH	NQ
4	EA65T01	8209.5	2555.5	1268.0	128.0		RDH	NQ
5	EA65T02	8141.2	2635.0	1268.0	112.7		RDH	NQ
6	EA65T03	8296.3	2314.6	1276.0	67.0		RDH	NQ
7	EA65T04	8463.6	1989.8	1263.0	70.0		RDH	NQ
8	EA71034	7781.5	2633.2	1301.0	19.5		RDH	NQ
9	EA71035	7856.9	2348.5	1308.0	26.8		RDH	NQ
10	EA71036	7889.5	2187.9	1320.0	16.1		RDH	NQ
11	EA71037	7963.8	2042.1	1322.0	17.8		RDH	NQ
12	EA71040	8503.5	2349.4	1243.0	13.1		RDH	NQ
13	EA71162	5775.9	3929.2	1354.0	15.2		RDH	NQ
14	EA71163	6000.7	3236.0	1303.0	15.2		RDH	NQ
15	EA71165	6214.4	3575.7	1332.0	6.0		RDH	NQ
16	EA71166	6780.1	3420.4	1324.0	57.9		RDH	NQ
17	EA71167	7784.4	3596.6	1346.0	9.1		RDH	NQ
18	EA71168	7239.9	2350.5	1338.0	9.1		RDH	NQ
19	EA71169	7239.7	2048.1	1348.0	9.1		RDH	NQ
20	EA71173	6608.5	2312.8	1305.0	9.1		RDH	NQ
21	EA71174	6602.2	2048.3	1304.0	9.1		RDH	NQ
22	EA71179	5917.2	2285.0	1265.0	12.1		RDH	NQ
23	EA71180	5908.8	2137.3	1268.0	24.3		RDH	NQ
24	EA71200	5611.4	1988.3	1229.0	131.1		RDH	NQ
25	EA71201	5912.2	2212.5	1270.0	123.4		RDH	NQ
26	A76X11	6217.1	2060.1	1278.0	732.7	W 68	DDH	NQ
27	A79T01	8047.0	2446.3	1292.0	288.8		DDH	NQ
28	A80C51	5411.8	3331.4	1295.0	54.9		DDH	NQ
29	A80C52	5407.8	3340.5	1295.0	41.2		DDH	NQ
30	A80C53	5402.6	3327.5	1295.0	41.1		DDH	NQ
31	A80C54	5415.7	3322.4	1295.0	41.1		DDH	NQ
32	A80C55	5421.1	3335.8	1295.0	41.1		DDH	NQ
33	A80C56	5430.7	3324.4	1295.0	41.1		DDH	NQ
34	A80C57	5419.2	3350.4	1295.0	30.5		DDH	NQ
35	A80C58	5393.6	3338.4	1295.0	30.5		DDH	NQ
36	A80C59	5404.8	3312.8	1295.0	30.5		DDH	NQ
37	A80C60	5454.0	3315.4	1295.0	30.5		DDH	NQ
38	A80C61	5477.7	3306.7	1295.0	30.5		DDH	NQ
39	A80C62	5505.5	3296.3	1295.0	30.5		DDH	NQ
40	A81AX1	5717.8	2888.8	1270.8	303.8	W52	DDH	NQ
41	A81AX2	5719.1	3363.2	1304.6	304.8		DDH	NQ
42	AGA001	6457.0	2387.6	1296.8	312.6	W76	DDH	NQ
43	AGA004	6444.3	2593.6	1286.8	314.8	W76	DDH	NQ
44	AGA005	6457.7	2674.0	1293.2	180.5	W76	DDH	NQ
45	AGA006	6467.9	3037.7	1299.9	145.4	W76	DDH	NQ
46	AGA008	6693.7	2943.5	1308.9	232.6	W84	DDH	NQ
47	AGA009	6452.9	2829.7	1302.3	232.0	W76	DDH	NQ
48	AGA010	6512.6	2676.2	1298.9	264.6	W78	DDH	NQ

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49	AGA011	6395.1	2609.2	1281.4	249.9	W74	DDH	NQ
50	AGA012	6697.4	2736.2	1312.7	364.5	W84	DDH	NQ
51	AGA013	6206.5	2612.2	1277.1	186.0	W68	DDH	NQ
52	AGA014	6455.8	2518.4	1290.2	334.6	W76	DDH	NQ
53	AGA015	6934.7	2919.4	1316.5	249.6	W92	DDH	NQ
54	AGA016	7119.8	2981.1	1310.5	304.5	W98	DDH	NQ
55	AGA017	6215.4	2488.6	1273.9	283.2	W68	DDH	NQ
56	AGA018	6939.7	2671.6	1322.4	448.4	W92	DDH	NQ
57	AGA019	6333.5	2672.6	1284.9	256.8	W72	DDH	NQ
58	AGA020	6696.0	2794.8	1311.1	406.6	W84	DDH	NQ
59	AGA021	6333.2	2733.0	1291.1	260.8	W72	DDH	NQ
60	AGA022	6696.8	2670.5	1311.5	384.6	W84	DDH	NQ
61	AGA023	6212.0	2673.4	1277.9	306.0	W68	DDH	NQ
62	AGA024	6575.8	2669.5	1303.9	356.3	W80	DDH	NQ
63	AGA025	7056.0	3158.5	1301.3	315.1	W96	DDH	NQ
64	AGA026	6089.8	2672.1	1277.1	273.3	W64	DDH	NQ
65	AGA027	6576.0	2734.2	1303.7	349.6	W80	DDH	NQ
66	AGA028	6090.8	2610.5	1274.0	280.7	W64	DDH	NQ
67	AGA029	7429.4	2728.5	1306.6	465.7	W108	DDH	NQ
68	AGA030	6454.0	2753.1	1303.3	389.5	W76	DDH	NQ
69	AGA031	5970.1	2611.3	1267.6	217.6	W60	DDH	NQ
70	AGA032	6577.3	2609.3	1304.4	359.1	W80	DDH	NQ
71	AGA033	5848.9	2549.6	1262.5	219.1	W56	DDH	NQ
72	AGA034	7301.9	2851.6	1304.7	273.8	W104	DDH	NQ
73	AGA035	6575.8	2548.6	1303.1	389.8	W80	DDH	NQ
74	AGA037	5848.4	2490.6	1255.8	158.4	W56	DDH	NQ
75	AGA038	6575.2	2488.3	1301.9	363.3	W80	DDH	NQ
76	AGA039	5848.9	2428.8	1251.6	234.0	W56	DDH	NQ
77	AGA041	6575.4	2427.4	1303.4	384.0	W80	DDH	NQ
78	AGA042	5848.0	2367.4	1254.1	136.6	W56	DDH	NQ
79	AGA045	6211.6	2732.6	1281.6	235.3	W68	DDH	NQ
80	AGA046	5728.0	2367.6	1241.9	112.3	W52	DDH	NQ
81	AGA049	5605.5	2551.6	1248.4	219.5	W48	DDH	NQ
82	AGA050	5727.7	2428.6	1242.0	203.3	W52	DDH	NQ
83	AGA051	6697.5	2609.8	1312.4	367.0	W84	DDH	NQ
84	AGA052	6210.9	2794.7	1289.3	261.8	W68	DDH	NQ
85	AGA053	6455.0	2714.3	1297.9	357.1	W76	DDH	NQ
86	AGA054	5727.5	2489.5	1249.1	142.0	W52	DDH	NQ
87	AGA055	6090.3	2733.2	1277.6	217.9	W64	DDH	NQ
88	AGA056	6334.5	2792.6	1299.8	343.1	W72	DDH	NQ
89	AGA057	7181.0	2792.4	1314.9	416.4	W100	DDH	NQ
90	AGA058	6088.3	2794.4	1282.6	187.5	W64	DDH	NQ
91	AGA059	6817.6	2672.3	1318.7	397.3	W88	DDH	NQ
92	AGA060	6333.1	2612.8	1278.8	361.5	W72	DDH	NQ
93	AGA061	6816.1	2732.5	1318.3	276.3	W88	DDH	NQ
94	AGA062	6276.4	2672.4	1279.8	301.1	W70	DDH	NQ
95	AGA063	5969.5	2487.5	1260.7	180.0	W60	DDH	NQ
96	AGA064	7428.6	2854.8	1295.2	432.2	W108	DDH	NQ
97	AGA065	6399.1	2669.1	1288.7	167.5	W74	DDH	NQ
98	AGA066	6152.3	2674.2	1276.9	182.9	W66	DDH	NQ
99	AGA067	6515.7	2793.6	1303.3	406.8	W78	DDH	NQ
100	AGA068	6453.4	2794.1	1304.1	389.1	W76	DDH	NQ
101	AGA069	6576.7	2793.0	1302.5	410.3	W80	DDH	NQ
102	AGA070	6272.7	2732.5	1286.1	108.2	W70	DDH	NQ

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103	AGA071	6393.6	2731.5	1297.0	177.4	W74	DDH	NQ
104	AGA072	6512.5	2735.7	1304.4	195.1	W78	DDH	NQ
105	AGA073	6452.7	2892.7	1302.2	364.1	W76	DDH	NQ
106	AGA074	6210.9	2549.4	1272.9	323.1	W68	DDH	NQ
107	AGA075	6519.0	2911.5	1301.2	347.8	W78	DDH	NQ
108	AGA076	6576.6	2853.8	1301.8	407.1	W80	DDH	NQ
109	AGA077	6092.2	2551.0	1267.6	305.3	W64	DDH	NQ
110	AGA078	6515.6	2978.2	1301.1	310.9	W78	DDH	NQ
111	AGA079	6582.2	2913.7	1301.6	419.1	W80	DDH	NQ
112	AGA080	6514.0	3040.4	1300.0	346.3	W78	DDH	NQ
113	AGA081	6035.0	2549.0	1264.8	273.7	W62	DDH	NQ
114	AGA082	6516.4	2859.2	1301.7	364.1	W78	DDH	NQ
115	AGA083	6330.3	2549.1	1278.5	360.8	W72	DDH	NQ
116	AGA084	6516.8	2611.6	1297.3	456.6	W78	DDH	NQ
117	AGA085	6637.6	2732.3	1307.6	431.0	W82	DDH	NQ
118	AGA086	7432.5	2978.3	1290.8	616.2	W108	DDH	NQ
119	AGA087	6636.8	2792.5	1305.0	426.4	W82	DDH	NQ
120	AGA088	6393.1	2792.8	1303.4	337.6	W74	DDH	NQ
121	AGA089	6641.6	2857.1	1304.4	378.0	W82	DDH	NQ
122	AGA090	6394.6	2855.6	1302.1	316.3	W74	DDH	NQ
123	AGA091	7552.6	2918.0	1289.5	541.0	W112	DDH	NQ
124	AGA092	6393.4	2915.4	1300.9	288.6	W74	DDH	NQ
125	AGA093	6637.1	2915.8	1302.8	350.5	W82	DDH	NQ
126	AGA094	7429.5	3095.9	1299.0	301.1	W108	DDH	NQ
127	AGA095	6331.2	2852.3	1302.8	213.4	W72	DDH	NQ
128	AGA096	6271.8	2794.1	1293.0	151.5	W70	DDH	NQ
129	AGA097	8025.3	3106.3	1305.2	100.0	W128	DDH	NQ
130	AGA098	8029.8	3043.5	1305.9	145.5	W128	DDH	NQ
131	AGA099	6151.5	2789.1	1285.8	189.5	W66	DDH	NQ
132	AGA100	6271.8	2854.9	1298.6	250.5	W70	DDH	NQ
133	AGA101	7903.8	3038.3	1304.4	269.7	W124	DDH	NQ
134	AGA102	6028.1	2793.0	1279.3	183.4	W62	DDH	NQ
135	AGA103	6029.6	2732.2	1277.7	214.0	W62	DDH	NQ
136	AGA104	6696.6	2854.4	1309.6	420.3	W84	DDH	NQ
137	AGA105	6029.8	2484.8	1263.1	199.5	W62	DDH	NQ
138	AGA106	6210.0	2848.8	1293.0	190.5	W68	DDH	NQ
139	AGA107	6028.7	2670.8	1275.9	216.7	W62	DDH	NQ
140	AGA108	5909.5	2487.2	1259.4	191.1	W58	DDH	NQ
141	AGA109	6151.5	2849.9	1289.5	190.8	W66	DDH	NQ
142	AGA110	5968.6	2550.4	1262.8	198.0	W60	DDH	NQ
143	AGA111	6756.9	2672.7	1315.6	394.1	W86	DDH	NQ
144	AGA112	6087.6	2854.5	1287.2	172.5	W64	DDH	NQ
145	AGA113	6757.4	2733.7	1315.9	474.6	W86	DDH	NQ
146	AGA114	5952.4	2428.6	1259.2	221.6	W60	DDH	NQ
147	AGA115	6757.3	2610.2	1316.2	448.1	W86	DDH	NQ
148	AGA116	6152.3	2910.7	1294.0	181.5	W66	DDH	NQ
149	AGA117	6146.8	2609.6	1275.8	214.3	W66	DDH	NQ
150	AGA118	6753.9	2791.6	1314.6	468.5	W86	DDH	NQ
151	AGA119	5968.6	2670.0	1273.6	172.8	W60	DDH	NQ
152	AGA120	6755.1	2852.0	1313.1	453.2	W86	DDH	NQ
153	AGA121	6153.7	2731.7	1282.5	263.0	W66	DDH	NQ
154	AGA122	6030.0	2608.2	1270.2	232.6	W62	DDH	NQ
155	AGA123	6815.4	2793.3	1317.9	464.8		DDH	NQ
156	AGA124	6754.1	2909.6	1312.4	423.1		DDH	NQ

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157	AGA125	6814.4	2853.6	1316.9	429.8	DDH	NQ
158	AGA126	6817.0	2610.7	1319.9	160.4	DDH	NQ
159	AGA127	6815.1	2910.4	1316.2	468.2	DDH	NQ
160	AGA128	6817.8	2601.2	1320.4	477.3	DDH	NQ
161	AGA129	6028.2	2853.0	1283.2	152.6	DDH	NQ
162	AGA130	5967.8	2791.7	1276.8	72.0	DDH	NQ
163	AGA131	5968.4	2731.0	1276.4	165.5	DDH	NQ
164	AGA132	6333.6	2824.4	1302.6	144.1	DDH	NQ
165	AGA133	6271.6	2828.1	1296.8	144.1	DDH	NQ
166	AGA134	6212.9	2820.5	1290.6	196.3	DDH	NQ
167	AGA135	6151.0	2819.9	1287.1	175.9	DDH	NQ
168	AGA136	6090.0	2824.0	1284.7	156.1	DDH	NQ
169	AGA137	6089.3	2884.1	1289.6	136.1	DDH	NQ
170	AGA138	6273.0	2884.9	1301.4	96.9	DDH	NQ
171	AGA139	6152.0	2879.8	1292.3	150.6	DDH	NQ
172	AGA140	6699.1	3043.3	1306.7	170.0	DDH	NQ
173	AGA141	6393.8	2884.0	1301.7	93.2	DDH	NQ
174	AGA142	6211.8	2642.5	1277.5	267.8	DDH	NQ
175	AGA143	6211.0	2879.0	1295.7	168.0	DDH	NQ
176	AGA144	6818.2	3040.7	1312.5	145.4	DDH	NQ
177	AGA145	6211.8	2576.9	1275.4	86.0	DDH	NQ
178	AGA146	6940.4	3036.4	1313.2	149.4	DDH	NQ
179	AGA147	6211.6	2704.1	1278.2	184.4	DDH	NQ
180	AGA148	6940.9	3158.3	1312.2	113.7	DDH	NQ
181	AGA149	6090.8	2764.5	1284.6	198.4	DDH	NQ
182	AGA150	6817.5	3162.8	1315.8	150.0	DDH	NQ
183	AGA151	6814.7	2979.6	1313.1	145.4	DDH	NQ
184	AGA152	6090.2	2702.2	1277.3	209.2	DDH	NQ
185	AGA153	6212.3	2761.6	1286.6	218.5	DDH	NQ
186	AGA154	6753.4	2975.8	1310.7	139.6	DDH	NQ
187	AGA155	6451.9	2923.1	1300.4	94.5	DDH	NQ
188	AGA156	6698.6	2883.0	1308.8	206.3	DDH	NQ
189	AGA157	6151.4	2580.5	1273.9	155.4	DDH	NQ
190	AGA158	6512.7	2885.5	1302.0	135.6	DDH	NQ
191	AGA159	6272.2	2580.2	1276.8	148.4	DDH	NQ
192	AGA160	6580.6	2881.3	1301.7	145.1	DDH	NQ
193	AGA161	6513.4	2886.9	1301.9	122.2	DDH	NQ
194	AGA162	6030.2	2519.5	1263.7	130.1	DDH	NQ
195	AGA163	6581.4	2978.6	1302.1	119.5	DDH	NQ
196	AGA164	6585.3	3043.3	1302.2	110.3	DDH	NQ
197	AGA200	6182.8	2730.3	1280.5	283.8	DDH	NQ
198	AGA201	5998.0	2610.9	1269.0	243.2	DDH	NQ
199	AGA202	6120.3	2733.0	1278.8	288.6	DDH	NQ
200	AGA203	6062.1	2611.5	1269.6	279.8	DDH	NQ
201	AGA204	6061.7	2734.8	1277.9	254.8	DDH	NQ
202	AGA205	6182.9	2672.1	1277.3	284.3	DDH	NQ
203	AGA206	6122.3	2610.2	1275.3	318.1	DDH	NQ
204	AGA207	6006.0	2731.4	1277.2	233.7	DDH	NQ
205	AGA208	6273.6	2619.5	1278.1	224.6	DDH	NQ
206	AGA209	6001.3	2672.1	1274.9	235.0	DDH	NQ
207	AGA210	6121.4	2671.9	1276.3	127.4	DDH	NQ
208	AGA211	6060.9	2672.1	1276.7	261.2	DDH	NQ
209	AGA212	6136.2	2665.9	1276.8	311.1	DDH	NQ
210	AGA213	6178.7	2608.4	1277.0	307.1	DDH	NQ

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211	AGA214	6583.6	3007.0	1302.0	492.8	DDH	NQ
212	AGA215	6395.4	2820.4	1302.8	394.3	DDH	NQ
213	AGA216	6213.1	2515.0	1273.8	429.1	DDH	NQ
214	AGA217	5967.2	2823.2	1278.0	187.4	DDH	NQ
215	AGA218	5908.7	2671.1	1271.4	246.1	DDH	NQ
216	AGA219	5847.4	2730.7	1272.5	252.0	DDH	NQ
217	AGA220	5849.7	2639.4	1266.2	291.7	DDH	NQ
218	AGA221	5908.4	2638.8	1268.5	291.7	DDH	NQ
219	AGA222	5848.9	2610.4	1264.8	290.2	DDH	NQ
220	AGA223	5848.8	2580.1	1263.8	262.3	DDH	NQ
221	AGA224	5908.5	2580.0	1264.0	215.5	DDH	NQ
222	AGA225	5968.3	2639.9	1270.3	217.9	DDH	NQ
223	AGA226	5726.6	2670.1	1262.8	181.3	DDH	NQ
224	AGA227	6582.5	2944.4	1301.3	205.1	DDH	NQ
225	AGA228	6633.6	2975.1	1303.2	194.8	DDH	NQ
226	AGA229	6633.7	3035.8	1304.0	159.5	DDH	NQ
227	AGA230	6693.8	3005.6	1307.0	221.6	DDH	NQ
228	AGA231	6752.0	3037.2	1308.9	185.9	DDH	NQ
229	AGA232	6753.7	3005.2	1310.0	206.3	DDH	NQ
230	AGA233	6692.7	2974.8	1306.9	197.8	DDH	NQ
231	AGA234	6631.8	3005.1	1303.0	165.0	DDH	NQ
232	AGA235	6632.7	2944.8	1303.2	175.8	DDH	NQ
233	AGA236	6634.7	2886.3	1304.0	439.2	DDH	NQ
234	AGA237	6696.3	2913.5	1308.2	215.5	DDH	NQ
235	AGA238	6512.0	2943.6	1300.7	132.0	DDH	NQ
236	AGA239	6452.3	2952.6	1299.7	109.1	DDH	NQ
237	AGA240	6274.0	2761.0	1289.5	111.3	DDH	NQ
238	AGA241	6150.9	2757.9	1284.8	161.8	DDH	NQ
239	AGADL1	6152.9	3082.4	1300.0	99.7	DDH	NQ
240	AGADL2	6694.5	2823.9	1309.8	111.8	DDH	NQ
241	AGADL3	6516.6	2504.3	1296.0	102.7	DDH	NQ
242	AGADL4	5955.8	2432.3	1259.6	61.6	DDH	NQ
243	AGU001	6328.7	2786.3	1144.0	62.5	UDDH	NQ
244	AGU002	6329.6	2786.9	1144.0	50.2	UDDH	NQ
245	AGU003	6331.9	2698.4	1144.7	82.2	UDDH	NQ
246	AGU004	6331.7	2702.5	1145.0	53.3	UDDH	NQ
247	AGU005	6331.6	2703.3	1141.0	99.0	UDDH	NQ
248	AGU006	6330.7	2702.8	1145.0	36.6	UDDH	NQ
249	AGU007	6334.7	2736.3	1141.2	73.2	UDDH	NQ
250	AGU008	6334.7	2736.3	1145.3	50.2	UDDH	NQ
251	AGU009	6334.1	2763.2	1141.4	64.0	UDDH	NQ
252	AGU010	6334.1	2763.2	1145.3	64.0	UDDH	NQ
253	AGU011	6328.8	2790.3	1143.1	24.3	UDDH	NQ
254	AGU012	6330.5	2656.3	1142.3	79.7	UDDH	NQ
255	AGU013	6330.5	2655.7	1142.3	182.9	UDDH	NQ
256	AGU014	6328.3	2657.0	1147.1	51.8	UDDH	NQ
257	AGU015	6393.2	2621.8	1155.6	185.9	UDDH	NQ
258	AGU016	6330.5	2713.1	1141.2	106.7	UDDH	NQ
259	AGU017	6331.0	2713.3	1141.2	125.0	UDDH	NQ
260	AGU018	6330.5	2656.3	1142.4	88.4	UDDH	NQ
261	AGU019	6330.6	2653.6	1144.7	59.4	UDDH	NQ
262	AGU020	6330.5	2655.0	1142.3	74.7	UDDH	NQ
263	AGU021	6331.5	2698.0	1145.0	76.2	UDDH	NQ
264	AGU022	6331.5	2702.8	1141.1	99.0	UDDH	NQ

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265	AGU023	6331.2	2703.7	1141.1	70.0	UDDH	NQ
266	AGU024	6329.7	2713.1	1144.6	59.4	UDDH	NQ
267	AGU025	6329.7	2713.1	1144.6	114.3	UDDH	NQ
268	AGU026	6330.0	2783.8	1146.2	76.2	UDDH	NQ
269	AGU027	6329.0	2789.4	1146.8	106.1	UDDH	NQ
270	AGU028	6390.9	2630.0	1155.9	64.0	UDDH	NQ
271	AGU029	6391.4	2630.2	1156.6	68.5	UDDH	NQ
272	AGU030	6391.6	2630.0	1159.0	36.6	UDDH	NQ
273	AGU031	6389.4	2623.2	1156.2	61.0	UDDH	NQ
274	AGU032	6391.5	2621.9	1155.8	121.9	UDDH	NQ
275	AGU033	6391.3	2618.1	1158.8	21.8	UDDH	NQ
276	AGU034	6395.1	2707.2	1134.0	126.5	UDDH	NQ
277	AGU035	6395.2	2707.7	1134.0	147.8	UDDH	NQ
278	AGU036	6234.9	2669.5	1157.3	19.8	UDDH	NQ
279	AGU037	6235.3	2671.2	1157.1	53.3	UDDH	NQ
280	AGU038	6235.2	2670.6	1157.2	85.2	UDDH	NQ
281	AGU039	6395.6	2706.7	1134.0	110.3	UDDH	NQ
282	AGU040	6395.3	2706.3	1134.0	108.8	UDDH	NQ
283	AGU041	6395.0	2709.3	1134.0	97.5	UDDH	NQ
284	AGU042	6394.7	2708.2	1138.0	53.3	UDDH	NQ
285	AGU043	6394.8	2707.4	1138.1	45.7	UDDH	NQ
286	AGU044	6396.7	2706.4	1138.2	45.7	UDDH	NQ
287	AGU045	6397.2	2793.1	1132.6	62.5	UDDH	NQ
288	AGU046	6397.2	2793.1	1132.6	83.7	UDDH	NQ
289	AGU047	6397.2	2793.1	1132.6	80.7	UDDH	NQ
290	AGU048	6395.4	2788.7	1132.7	120.7	UDDH	NQ
291	AGU049	6396.7	2786.8	1133.9	82.2	UDDH	NQ
292	AGU050	6395.7	2787.0	1133.9	91.4	UDDH	NQ
293	AGU051	6396.7	2786.8	1135.4	70.0	UDDH	NQ
294	AGU052	6397.0	2787.2	1136.7	57.9	UDDH	NQ
295	AGU053	6396.9	2787.9	1136.9	60.9	UDDH	NQ
296	AGU054	6397.4	2790.9	1137.5	150.9	UDDH	NQ
297	AGU055	6396.6	2786.9	1134.4	36.4	UDDH	NQ
298	AGU056	6396.6	2786.9	1135.5	61.0	UDDH	NQ
299	AGU057	6396.7	2786.8	1133.2	53.3	UDDH	NQ
300	AGU058	6455.6	2691.4	1125.7	106.7	UDDH	NQ
301	AGU059	6455.7	2692.1	1124.8	127.2	UDDH	NQ
302	AGU060	6455.7	2693.4	1124.4	122.0	UDDH	NQ
303	AGU061	6455.8	2693.3	1124.4	120.5	UDDH	NQ
304	AGU062	6455.4	2691.6	1125.0	109.7	UDDH	NQ
305	AGU063	6455.4	2691.6	1126.8	106.6	UDDH	NQ
306	AGU064	6454.8	2694.2	1128.2	57.9	UDDH	NQ
307	AGU065	6455.6	2693.5	1128.4	59.4	UDDH	NQ
308	AGU066	6454.2	2692.7	1126.3	99.0	UDDH	NQ
309	AGU067	6516.0	2695.4	1116.0	76.2	UDDH	NQ
310	AGU068	6515.5	2694.5	1117.2	53.3	UDDH	NQ
311	AGU069	6515.8	2696.2	1119.6	38.1	UDDH	NQ
312	AGU070	6515.8	2697.6	1119.4	39.6	UDDH	NQ
313	AGU071	6516.0	2698.1	1119.3	45.7	UDDH	NQ
314	AGU072	6515.0	2696.3	1114.0	137.3	UDDH	NQ
315	AGU073	6514.1	2695.1	1115.4	121.9	UDDH	NQ
316	AGU074	6177.2	2682.0	1164.3	107.9	UDDH	NQ
317	AGU075	6515.4	2697.3	1114.0	170.5	UDDH	NQ
318	AGU076	6177.3	2681.2	1164.3	65.5	UDDH	NQ

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319	AGU077	6515.4	2698.7	1114.3	167.5	UDDH	NQ
320	AGU078	6177.1	2682.8	1164.4	106.7	UDDH	NQ
321	AGU079	6515.2	2695.5	1114.5	97.5	UDDH	NQ
322	AGU080	6330.2	2782.3	1144.2	76.2	UDDH	NQ
323	AGU081	6455.4	2743.0	1127.2	38.1	UDDH	NQ
324	AGU082	6330.6	2781.3	1144.1	45.7	UDDH	NQ
325	AGU083	6455.5	2743.6	1131.5	38.1	UDDH	NQ
326	AGU084	6333.2	2784.9	1142.6	76.2	UDDH	NQ
327	AGU085	6454.8	2742.1	1131.6	44.2	UDDH	NQ
328	AGU086	6330.4	2790.2	1143.4	94.5	UDDH	NQ
329	AGU087	6455.9	2740.5	1127.2	61.0	UDDH	NQ
330	AGU088	6279.4	2794.6	1145.4	65.2	UDDH	NQ
331	AGU089	6453.8	2724.8	1130.7	38.1	UDDH	NQ
332	AGU090	6280.9	2796.7	1145.4	79.2	UDDH	NQ
333	AGU091	6517.9	2809.9	1114.7	97.5	UDDH	NQ
334	AGU092	6280.7	2792.0	1146.4	73.2	UDDH	NQ
335	AGU093	6516.3	2810.0	1116.3	76.2	UDDH	NQ
336	AGU094	6686.0	2706.0	1089.2	26.2	UDDH	NQ
337	AGU095	6517.1	2810.6	1113.9	121.9	UDDH	NQ
338	AGU096	6280.5	2792.3	1147.4	121.9	UDDH	NQ
339	AGU097	6517.0	2810.7	1114.1	62.5	UDDH	NQ
340	AGU098	6279.5	2792.5	1145.5	52.1	UDDH	NQ
341	AGU099	6515.5	2824.2	1113.8	184.5	UDDH	NQ
342	AGU100	6279.6	2792.4	1148.4	121.9	UDDH	NQ
343	AGU101	6516.3	2825.5	1113.3	175.3	UDDH	NQ
344	AGU102	6280.1	2793.3	1150.0	47.2	UDDH	NQ
345	AGU103	6515.8	2825.3	1113.8	129.5	UDDH	NQ
346	AGU104	6280.1	2795.4	1150.0	31.4	UDDH	NQ
347	AGU105	6515.3	2827.1	1115.1	38.1	UDDH	NQ
348	AGU106	6279.8	2797.0	1146.6	137.1	UDDH	NQ
349	AGU107	6516.3	2825.5	1117.0	70.0	UDDH	NQ
350	AGU108	6278.8	2796.6	1145.6	72.5	UDDH	NQ
351	AGU109	6515.0	2826.7	1117.5	116.7	UDDH	NQ
352	AGU110	6455.4	2825.4	1122.4	90.7	UDDH	NQ
353	AGU111	6279.5	2792.5	1145.5	122.8	UDDH	NQ
354	AGU112	6455.5	2824.0	1122.4	45.7	UDDH	NQ
355	AGU113	6279.1	2795.6	1146.0	102.7	UDDH	NQ
356	AGU114	6455.4	2822.0	1123.6	45.7	UDDH	NQ
357	AGU115	6278.9	2793.7	1145.4	74.0	UDDH	NQ
358	AGU116	6455.4	2822.0	1125.8	68.5	UDDH	NQ
359	AGU117	6395.0	2797.1	1133.1	61.0	UDDH	NQ
360	AGU118	6455.0	2823.7	1127.6	76.2	UDDH	NQ
361	AGU119	6273.6	2669.5	1150.0	103.6	UDDH	NQ
362	AGU120	6455.7	2827.2	1123.6	61.0	UDDH	NQ
363	AGU121	6273.6	2668.2	1150.0	65.5	UDDH	NQ
364	AGU122	6455.8	2827.1	1122.4	91.4	UDDH	NQ
365	AGU123	6273.4	2672.3	1150.0	118.9	UDDH	NQ
366	AGU124	6455.6	2782.6	1127.4	91.4	UDDH	NQ
367	AGU125	6279.1	2792.1	1146.0	92.2	UDDH	NQ
368	AGU126	6455.4	2781.5	1127.4	144.8	UDDH	NQ
369	AGU127	6273.3	2672.5	1151.2	45.7	UDDH	NQ
370	AGU128	6455.0	2782.5	1127.4	83.7	UDDH	NQ
371	AGU129	6455.5	2763.9	1127.0	142.3	UDDH	NQ
372	AGU130	6455.2	2781.6	1132.1	45.7	UDDH	NQ

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373	AGU131	6273.5	2668.3	1151.2	45.7	UDDH	NQ
374	AGU132	6455.2	2827.0	1127.4	134.1	UDDH	NQ
375	AGU133	6273.3	2671.8	1149.9	126.5	UDDH	NQ
376	AGU134	6455.5	2705.7	1123.5	99.0	UDDH	NQ
377	AGU135	6576.1	2825.9	1103.4	190.5	UDDH	NQ
378	AGU136	6273.5	2669.6	1152.9	76.2	UDDH	NQ
379	AGU137	6274.8	2671.8	1153.4	61.0	UDDH	NQ
380	AGU138	6455.4	2705.8	1123.3	122.2	UDDH	NQ
381	AGU139	6274.1	2670.4	1153.4	76.2	UDDH	NQ
382	AGU140	6576.1	2825.9	1103.4	123.4	UDDH	NQ
383	AGU141	6151.8	2676.7	1167.8	96.2	UDDH	NQ
384	AGU142	6576.6	2822.8	1103.7	152.4	UDDH	NQ
385	AGU143	6151.6	2681.6	1166.9	132.6	UDDH	NQ
386	AGU144	6575.7	2826.3	1106.9	73.2	UDDH	NQ
387	AGU145	6152.1	2681.2	1167.9	121.9	UDDH	NQ
388	AGU146	6576.0	2824.7	1108.1	73.7	UDDH	NQ
389	AGU147	6151.6	2677.5	1170.2	76.2	UDDH	NQ
390	AGU148	6515.8	2704.4	1114.3	68.5	UDDH	NQ
391	AGU149	6576.6	2771.5	1106.3	182.9	UDDH	NQ
392	AGU150	6577.2	2689.2	1105.0	152.4	UDDH	NQ
393	AGU151	6577.9	2687.2	1108.2	76.2	UDDH	NQ
394	AGU152	6576.8	2771.3	1111.0	61.0	UDDH	NQ
395	AGU153	6577.4	2687.0	1105.6	61.0	UDDH	NQ
396	AGU154	6574.5	2715.3	1109.4	61.0	UDDH	NQ
397	AGU155	6151.9	2678.0	1166.8	61.0	UDDH	NQ
398	AGU156	6574.6	2715.2	1105.6	76.2	UDDH	NQ
399	AGU157	6151.8	2678.7	1166.8	132.6	UDDH	NQ
400	AGU158	6637.9	2701.0	1097.7	74.3	UDDH	NQ
401	AGU159	6150.7	2679.7	1170.9	76.2	UDDH	NQ
402	AGU160	6637.8	2700.4	1095.3	73.2	UDDH	NQ
403	AGU161	6151.3	2676.4	1166.8	59.4	UDDH	NQ
404	AGU162	6637.5	2700.6	1094.4	153.9	UDDH	NQ
405	AGU163	6091.2	2667.5	1174.9	112.0	UDDH	NQ
406	AGU164	6637.8	2701.8	1099.2	50.0	UDDH	NQ
407	AGU165	6091.5	2667.9	1174.3	53.3	UDDH	NQ
408	AGU166	6637.6	2824.8	1094.9	182.9	UDDH	NQ
409	AGU167	6091.4	2668.0	1176.9	61.8	UDDH	NQ
410	AGU168	6636.4	2823.3	1094.9	166.5	UDDH	NQ
411	AGU169	6031.5	2663.6	1182.5	45.7	UDDH	NQ
412	AGU170	6698.8	2768.7	1089.2	96.2	UDDH	NQ
413	AGU171	6031.3	2659.0	1182.3	30.5	UDDH	NQ
414	AGU172	6636.3	2822.6	1095.2	121.9	UDDH	NQ
415	AGU173	6031.4	2659.6	1182.2	57.9	UDDH	NQ
416	AGU174	6638.0	2825.2	1098.7	28.0	UDDH	NQ
417	AGU175	6031.5	2663.5	1181.7	58.3	UDDH	NQ
418	AGU176	6696.4	2814.0	1090.1	170.0	UDDH	NQ
419	AGU177	6031.3	2663.1	1184.5	65.5	UDDH	NQ
420	AGU178	6696.0	2814.4	1094.3	79.5	UDDH	NQ
421	AGU179	6031.8	2660.6	1185.1	51.8	UDDH	NQ
422	AGU180	6698.7	2768.7	1093.4	30.5	UDDH	NQ
423	AGU181	6212.0	2682.2	1161.4	68.5	UDDH	NQ
424	AGU182	6693.8	2717.2	1088.2	153.6	UDDH	NQ
425	AGU183	6212.1	2682.1	1160.6	76.2	UDDH	NQ
426	AGU184	6693.8	2713.7	1088.2	167.5	UDDH	NQ

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427	AGU185	6182.5	2680.6	1164.8	91.4		UDDH	NQ
428	AGU186	6693.9	2716.4	1092.5	61.0		UDDH	NQ
429	AGU187	6182.7	2680.4	1164.2	91.4		UDDH	NQ
430	AGU188	6637.4	2705.5	1095.6	83.7		UDDH	NQ
431	AGU189	6182.6	2685.2	1164.2	123.4		UDDH	NQ
432	AGU190	6637.7	2703.9	1094.4	106.7		UDDH	NQ
433	AGU191	6182.5	2682.6	1168.3	61.0		UDDH	NQ
434	AGU192	6424.8	2704.6	1129.6	121.9		UDDH	NQ
435	AGU193	6243.1	2667.4	1155.6	76.2		UDDH	NQ
436	AGU194	6425.0	2703.7	1130.9	128.0		UDDH	NQ
437	AGU195	6242.9	2672.4	1155.7	91.4		UDDH	NQ
438	AGU196	6425.0	2702.4	1129.6	129.5		UDDH	NQ
439	AGU197	6243.2	2668.8	1158.2	35.1		UDDH	NQ
440	AGU198	6441.1	2582.4	1162.2	153.9		UDDH	NQ
441	AGU199	6303.6	2670.0	1146.4	132.6		UDDH	NQ
442	AGU200	6292.8	2674.4	1147.6	45.7		UDDH	NQ
443	AGU201	6328.5	2703.4	1142.2	54.9		UDDH	NQ
444	AGU202	6328.5	2703.4	1142.2	45.7		UDDH	NQ
445	AGU203	6329.5	2712.7	1142.2	73.2		UDDH	NQ
446	AGU204	6303.8	2794.8	1144.2	36.6		UDDH	NQ
447	AGU205	6305.2	2797.6	1144.9	106.7		UDDH	NQ
448	AGU206	6302.9	2794.3	1149.0	106.7		UDDH	NQ
449	AGU207	6364.2	2797.3	1139.8	45.7		UDDH	NQ
450	AGU208	6363.8	2796.3	1138.7	140.1		UDDH	NQ
451	AGU209	6364.5	2795.8	1138.6	99.0		UDDH	NQ
452	AGU210	6364.8	2794.1	1138.5	120.4		UDDH	NQ
453	AGU211	6364.4	2702.6	1138.9	114.3		UDDH	NQ
454	AGU212	6364.6	2703.8	1138.9	70.2		UDDH	NQ
455	AGU213	6364.5	2705.3	1138.9	121.9		UDDH	NQ
456	AGU214	6425.0	2807.7	1128.5	30.5		UDDH	NQ
457	AGU215	6424.9	2805.8	1127.3	138.6		UDDH	NQ
458	AGU216	6426.0	2803.4	1127.4	138.6		UDDH	NQ
459	AGU217	6441.6	2580.5	1162.2	123.6		UDDH	NQ
460	AGU218	6674.9	2700.5	1089.9	45.7		UDDH	NQ
461	87G-01	5909.5	2552.2	1262.4	167.6	W58	DDH	NQ
462	87G-02	5908.6	2522.4	1260.8	184.7	W58	DDH	NQ
463	87G-03	6090.9	2639.4	1276.4	87.2	W64	DDH	NQ
464	87G-04	6150.4	2686.5	1277.6	78.3	W66	DDH	NQ
465	87G-05	6211.4	2687.5	1278.6	137.2	W68	DDH	NQ
466	87G-06	6273.0	2744.2	1287.2	107.3	W70	DDH	NQ
467	87G-07	6272.6	2774.8	1290.8	109.7	W70	DDH	NQ
468	87G-08	6334.1	2836.6	1302.7	96.3	W72	DDH	NQ
469	87G-09	6393.5	2869.8	1301.6	106.7	W74	DDH	NQ
470	87G-10	6394.3	2836.1	1302.5	125.0	W74	DDH	NQ
471	87G-11	6452.5	2912.6	1301.0	107.0	W76	DDH	NQ
472	87G-12	6511.4	2927.3	1301.0	106.7	W78	DDH	NQ
473	87G-13	6512.3	2897.4	1302.0	124.1	W78	DDH	NQ
474	87G-14	6581.7	2929.2	1301.6	122.2	W80	DDH	NQ
475	87G-15	6578.3	2859.3	1301.5	132.9	W80	DDH	NQ
476	87G-16	6150.7	2718.0	1280.8	82.3	W66	DDH	NQ
477	87G-17	5849.2	2516.3	1260.1	135.9	W56	DDH	NQ
478	87G-18	5894.9	2976.6	1287.0	52.4		DDH	NQ
479	87G-19	6042.5	3106.9	1299.9	60.9		DDH	NQ
480	87G-20	6156.2	3326.5	1301.9	30.5		DDH	NQ

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481	88G-01	6393.6	2897.3	1300.6	93.9	W74	DDH	NQ
482	88G-02	6331.9	2859.7	1302.4	77.7	W72	DDH	NQ
483	88G-03	6210.5	2656.5	1277.7	131.7	W68	DDH	NQ
484	88G-04	6089.7	2686.6	1277.0	101.8	W64	DDH	NQ
485	88G-05	5969.5	2697.0	1275.4	134.7	W60	DDH	NQ
486	89G-01	6000.2	2639.2	1272.3	199.6	W61	DDH	NQ
487	89G-02	5908.8	2425.1	1256.5	189.3	W58	DDH	NQ
488	89G-03	5910.9	2467.5	1257.3	218.5	W58	DDH	NQ
489	89G-04	5789.9	2516.5	1256.3	81.4	W54	DDH	NQ
490	89G-05	5788.6	2488.9	1252.0	68.0	W54	DDH	NQ
491	89G-06	5850.3	2458.9	1253.2	146.0	W56	DDH	NQ
492	89G-07	5819.7	2490.4	1254.2	108.8	W55	DDH	NQ
493	89G-08	6754.5	2941.4	1310.9	132.3	W86	DDH	NQ
494	89G-09	6697.1	2882.5	1308.6	127.1	W84	DDH	NQ
495	89G-10	6755.6	2880.0	1312.3	150.9	W86	DDH	NQ
496	89G-11	6699.7	2854.7	1310.0	160.3	W84	DDH	NQ
497	89G-12	6755.9	2849.4	1312.4	157.0	W86	DDH	NQ
498	89G-13	6756.9	2820.0	1313.2	182.6	W86	DDH	NQ
499	89G-14	6698.7	2785.9	1305.3	191.1	W84	DDH	NQ
500	89G-15	6637.6	2857.2	1304.1	174.3	W82	DDH	NQ
501	89G-16	6758.6	2789.3	1305.6	193.5	W86	DDH	NQ
502	89G-17	6637.6	2825.8	1304.3	161.2	W82	DDH	NQ
503	89G-18	6453.0	2831.0	1295.7	134.4	W76	DDH	NQ
504	89G-19	5968.1	2458.8	1260.8	230.7	W60	DDH	NQ
505	89G-20	6452.6	2925.0	1294.7	109.9	W76	DDH	NQ
506	89G-21	5970.6	2520.6	1262.5	217.0	W60	DDH	NQ
507	89G-22	6636.9	2989.5	1302.4	146.2	W82	DDH	NQ
508	89G-23	6586.1	3010.0	1301.9	106.4	W80	DDH	NQ
509	89G-24	6210.7	2834.5	1289.5	116.4	W68	DDH	NQ
510	89G-25	6212.8	2776.8	1288.3	116.1	W68	DDH	NQ
511	89G-26	6152.0	2801.6	1287.1	129.8	W66	DDH	NQ
512	89G-27	6152.0	2801.6	1287.1	170.8	W66	DDH	NQ
513	89G-28	6211.2	2689.4	1278.6	111.9	W68	DDH	NQ
514	89G-29	6154.2	2632.1	1276.6	165.2	W66	DDH	NQ
515	89G-30	5789.9	2427.6	1246.0	121.9	W54	DDH	NQ
516	89G-31	5788.8	2456.9	1249.1	100.3	W54	DDH	NQ
517	89G-32	5790.0	2402.8	1246.4	138.7	W54	DDH	NQ
518	89G-33	5727.3	2401.6	1240.1	86.0	W52	DDH	NQ
519	89G-34	6089.6	2678.8	1276.6	91.6	W64	DDH	HQ
520	89G-35	6129.3	2668.9	1276.9	89.5	W65	DDH	HQ
521	91G01	6546.3	2886.2	1277.1	52.7	W79	DDH	NQ
522	91G02	6546.6	2916.7	1277.1	75.3	W79	DDH	NQ
523	91G03	6546.6	2947.1	1277.5	71.9	W79	DDH	NQ
524	91G04	6546.2	2977.4	1277.9	98.1	W79	DDH	NQ
533	91G05	6515.0	2870.6	1277.1	130.1	W78	DDH	NQ
526	91G06	6516.3	2951.0	1277.4	84.1	W78	DDH	NQ
527	91G07	6576.9	2867.4	1277.1	63.1	W80	DDH	NQ
528	91G08	6576.5	2992.9	1277.5	43.0	W80	DDH	NQ
529	91G09	6303.9	2779.7	1277.6	96.9	W71	DDH	NQ
530	91G10	6546.5	3007.8	1285.6	71.9	W79	DDH	NQ
531	91G11	6485.9	2870.8	1276.8	110.0	W77	DDH	NQ
532	91G12	6485.8	2901.1	1277.0	103.0	W77	DDH	NQ
525	91G13	6485.9	2931.2	1277.1	79.9	W77	DDH	NQ
534	91G14	6425.8	2885.7	1277.9	100.0	W75	DDH	NQ

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535	91G15	6424.8	2855.2	1277.7	100.0	W75	DDH	NQ
536	91G16	6424.7	2910.0	1278.2	85.3	W75	DDH	NQ
537	91G17	6364.3	2871.1	1277.8	75.0	W73	DDH	NQ
538	91G18	6364.6	2840.1	1278.1	100.0	W73	DDH	NQ
539	91G19	6364.6	2809.6	1278.1	110.0	W73	DDH	NQ
540	91G20	6243.7	2657.5	1277.9	105.5	W69	DDH	NQ
541	91G21	6486.2	2981.7	1286.2	79.9	W77	DDH	NQ
542	91G22	6485.7	2967.2	1285.7	79.9	W77	DDH	NQ
543	91G23	6425.0	2947.1	1284.9	70.1	W75	DDH	NQ
544	91G24	6361.8	2914.2	1284.8	76.2	W73	DDH	NQ
545	91G25	6301.8	2850.8	1284.6	93.0	W71	DDH	NQ
546	91G26	6275.6	2834.0	1284.6	103.6	W76	DDH	NQ
547	91G27	6242.8	2779.4	1289.3	106.1	W69	DDH	NQ
548	91G28	6236.2	2755.8	1288.1	109.1	W69	DDH	NQ
549	91G29	6183.1	2826.5	1288.9	104.9	W67	DDH	NQ
550	91G30	6122.1	2812.0	1286.1	66.1	W65	DDH	NQ
551	91G31	6182.4	2642.2	1277.1	99.1	W67	DDH	NQ
552	91G32	6183.2	2704.3	1278.4	99.1	W67	DDH	NQ
553	91G33	6124.6	2704.3	1277.2	79.9	W65	DDH	NQ
554	91G34	6121.6	2641.5	1276.2	93.9	W65	DDH	NQ
555	91G35	6091.1	2656.1	1276.1	95.1	W64	DDH	NQ
556	91G36	6121.9	2580.6	1273.8	74.1	W65	DDH	NQ
557	91G37	6060.9	2642.2	1274.4	84.1	W63	DDH	NQ
558	91G38	6062.6	2655.3	1275.3	89.9	W63	DDH	NQ
559	91G39	6060.9	2688.8	1277.1	96.9	W63	DDH	NQ
560	91G40	6060.2	2702.9	1277.1	93.0	W63	DDH	NQ
561	91G41	6243.9	2757.7	1289.0	100.6	W69	DDH	NQ
562	91G42	6242.9	2798.6	1292.9	103.6	W69	DDH	NQ
563	91G43	6183.2	2777.1	1287.4	80.8	W67	DDH	NQ
564	91G44	6303.9	2733.6	1283.7	120.4	W71	DDH	NQ
565	91G45	6033.7	2699.3	1277.3	67.1	W62	DDH	NQ
566	91G46	6303.8	2703.5	1283.6	96.9	W71	DDH	NQ
567	91G47	6062.1	2627.8	1273.8	85.3	W63	DDH	NQ
568	91G48	6244.6	2703.5	1280.5	127.7	W69	DDH	NQ
569	91G49	6122.4	2625.6	1275.1	93.0	W65	DDH	NQ
570	91G50	6183.1	2708.0	1278.4	103.6	W67	DDH	NQ
571	91G51	6119.2	2655.9	1276.1	93.0	W65	DDH	NQ
572	91G52	6123.1	2689.6	1276.9	93.0	W65	DDH	NQ
573	91G53	6545.4	2977.9	1277.8	93.0	W79	DDH	NQ