

020298

SWIM LAKE -- DISTRIBUTION OF COPPER WITH VALUES > 18 PPM

ELEMENT: CU WITH VALUES > OR = 18

MAP ORIGIN: 315E 22630N

XMIN: 0.

YMIN: -15.13

MAP COORDINATES AT LOWER LEFT CORNER: 315E 22614N

CARDS READ: 693 DATA POINTS: 2079

DATA POINTS USED = 737

Z-VALUE RANGE: 18 - 9345

SWIM LAKE

SWIM LAKE -- DISTRIBUTION OF COPPER WITH VALUES > 18 PPM

THE BLOCK STATISTICS FOLLOW:

***** Z-VALUE STATISTICS *****

Z-VALUE RANGE 18.00 TO 9345.00
 MEAN 60.20
 ST. DEV. 431.17

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %
0. TO 400.000	510	99.22	99.22
400.000 TO 800.000	2	.39	99.61
800.000 TO 1200.000	0	0.	99.61
1200.000 TO 1600.000	0	0.	99.61
1600.000 TO 2000.000	0	0.	99.61
2000.000 TO 2400.000	0	0.	99.61
2400.000 TO 2800.000	0	0.	99.61
2800.000 TO 3200.000	0	0.	99.61
3200.000 TO 3600.000	0	0.	99.61
3600.000 TO 4000.000	0	0.	99.61
4000.000 TO 4400.000	0	0.	99.61
4400.000 TO 4800.000	1	.19	99.81
4800.000 TO 5200.000	0	0.	99.81
5200.000 TO 5600.000	0	0.	99.81
5600.000 TO 6000.000	0	0.	99.81
6000.000 TO 6400.000	0	0.	99.81
6400.000 TO 6800.000	0	0.	99.81
6800.000 TO 7200.000	0	0.	99.81
7200.000 TO 7600.000	0	0.	99.81
7600.000 TO 8000.000	0	0.	99.81
8000.000 TO 8400.000	0	0.	99.81
8400.000 TO 8800.000	1	.19	100.00
8800.000 TO 9200.000	0	0.	100.00
9200.000 TO 9600.000	0	0.	100.00

A Z-VALUE = 400.00 ACCOUNTS FOR AT LEAST 95% OF THE DATA

12th Contour

SWIM LAKE -- DISTRIBUTION OF COPPER WITH VALUES > 18 PPM

REPEAT OF BLOCK STATISTICS USING 'A CUTOFF VALUE' = 400.

***** Z-VALUE STATISTICS *****

Z-VALUE RANGE 18.00 TO 400.00
MEAN 32.76
ST.DEV. 19.68

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %
0. TO 20.000	67	13.14	13.14
20.000 TO 40.000	327	64.12	77.25
40.000 TO 60.000	77	15.10	92.35
60.000 TO 80.000	15	2.94	95.29
80.000 TO 100.000	14	2.75	98.04
100.000 TO 120.000	2	.39	98.43
120.000 TO 140.000	0	0.	98.43
140.000 TO 160.000	2	.39	98.82
160.000 TO 180.000	2	.39	99.22
180.000 TO 200.000	0	0.	99.22
200.000 TO 220.000	0	0.	99.22
220.000 TO 240.000	0	0.	99.22
240.000 TO 260.000	0	0.	99.22
260.000 TO 280.000	0	0.	99.22
280.000 TO 300.000	0	0.	99.22
300.000 TO 320.000	0	0.	99.22
320.000 TO 340.000	0	0.	99.22
340.000 TO 360.000	0	0.	99.22
360.000 TO 380.000	0	0.	99.22
380.000 TO 400.000	0	0.	99.22
400.000 TO 420.000	0	0.	99.22

A Z-VALUE = 80.00 ACCOUNTS FOR AT LEAST 95% OF THE DATA

STOP FINISHED.

SRU'S:32.1

!OUTPUT MAPFIL LINES:510 FORM:BLNK SPACE:5

GPS362 MAPFIL-PNC 41486

!OFF

USAGE ON 02/05/76 AT 00:56:22

SRU'S:38.8 ELAPSED TIME: 00:00:57

FREQUENCY ANALYSIS OF THE ^{SWIM}SMITH LAKE DATA

VARIABLE: COPPER CUTOFF VALUE: 1000000.000

NUMBER OF SAMPLES READ --- 2079

MISSING DATA ----- 0
VALUES ABOVE CUTOFF -- 0

NUMBER USED IN ANALYSIS -- 2079

RANGE: 1.000 TO 9345.000

MEAN: 27.665
ST. DEV.: 279.478

FREQUENCY ANALYSIS FOR: COPPER

INTERVAL	NUMBER	%	CULM.%
0. TO 399.999	2075	99.81	99.81
400.000 TO 799.999	1	.05	99.86
800.000 TO 1199.999	1	.05	99.90
1200.000 TO 1599.999	0	0.	99.90
1600.000 TO 1999.999	0	0.	99.90
2000.000 TO 2399.999	0	0.	99.90
2400.000 TO 2799.999	0	0.	99.90
2800.000 TO 3199.999	0	0.	99.90
3200.000 TO 3599.999	0	0.	99.90
3600.000 TO 3999.999	0	0.	99.90
4000.000 TO 4399.999	0	0.	99.90
4400.000 TO 4799.999	0	0.	99.90
4800.000 TO 5199.999	0	0.	99.90
5200.000 TO 5599.999	0	0.	99.90
5600.000 TO 5999.999	0	0.	99.90
6000.000 TO 6399.999	0	0.	99.90
6400.000 TO 6799.999	0	0.	99.90
6800.000 TO 7199.999	0	0.	99.90
7200.000 TO 7599.999	0	0.	99.90
7600.000 TO 7999.999	0	0.	99.90
8000.000 TO 8399.999	0	0.	99.90
8400.000 TO 8799.999	1	.05	99.95
8800.000 TO 9199.999	0	0.	99.95
9200.000 TO 9599.999	1	.05	100.00

FREQUENCY ANALYSIS OF THE SMITH LAKE DATA

VARIABLE: LEAD CUTOFF VALUE: 1000000.000

NUMBER OF SAMPLES READ --- 2079

MISSING DATA ----- 0
VALUES ABOVE CUTOFF -- 0

NUMBER USED IN ANALYSIS -- 2079

RANGE: 0. TO 229.000

MEAN: 14.602
ST. DEV.: 13.037

FREQUENCY ANALYSIS FOR: LEAD

INTERVAL	NUMBER	%	CULM.%
0. TO 9.999	647	31.12	31.12
10.000 TO 19.999	1047	50.36	81.48
20.000 TO 29.999	253	12.17	93.65
30.000 TO 39.999	85	4.09	97.74
40.000 TO 49.999	10	.48	98.22
50.000 TO 59.999	10	.48	98.70
60.000 TO 69.999	10	.48	99.18
70.000 TO 79.999	4	.19	99.37
80.000 TO 89.999	1	.05	99.42
90.000 TO 99.999	1	.05	99.47
100.000 TO 109.999	4	.19	99.66
110.000 TO 119.999	1	.05	99.71
120.000 TO 129.999	1	.05	99.76
130.000 TO 139.999	2	.10	99.86
140.000 TO 149.999	0	0.	99.86
150.000 TO 159.999	1	.05	99.90
160.000 TO 169.999	1	.05	99.95
170.000 TO 179.999	0	0.	99.95
180.000 TO 189.999	0	0.	99.95
190.000 TO 199.999	0	0.	99.95
200.000 TO 209.999	0	0.	99.95
210.000 TO 219.999	0	0.	99.95
220.000 TO 229.999	1	.05	100.00

FREQUENCY ANALYSIS OF THE SMITH LAKE DATA

VARIABLE: ZINC CUTOFF VALUE: 1000000.000

NUMBER OF SAMPLES READ --- 2079.

MISSING DATA ----- 0
VALUES ABOVE CUTOFF -- 0

NUMBER USED IN ANALYSIS -- 2079

RANGE: 3.000 TO 1000.000

MEAN: 79.044
ST. DEV.: 71.040

FREQUENCY ANALYSIS FOR: ZINC

INTERVAL	NUMBER	%	CULM.%
0. TO 49.999	675	32.47	32.47
50.000 TO 99.999	973	46.80	79.27
100.000 TO 149.999	260	12.51	91.77
150.000 TO 199.999	87	4.18	95.96
200.000 TO 249.999	34	1.64	97.59
250.000 TO 299.999	15	.72	98.32
300.000 TO 349.999	14	.67	98.99
350.000 TO 399.999	11	.53	99.52
400.000 TO 449.999	3	.14	99.66
450.000 TO 499.999	0	0.	99.66
500.000 TO 549.999	0	0.	99.66
550.000 TO 599.999	1	.05	99.71
600.000 TO 649.999	0	0.	99.71
650.000 TO 699.999	1	.05	99.76
700.000 TO 749.999	0	0.	99.76
750.000 TO 799.999	0	0.	99.76
800.000 TO 849.999	1	.05	99.81
850.000 TO 899.999	0	0.	99.81
900.000 TO 949.999	1	.05	99.86
950.000 TO 999.999	0	0.	99.86
1000.000 TO 1049.999	3	.14	100.00

PROGRAM FINISHED

STOP
SRU'S:17.2

↓
!OFF
USAGE ON 01/28/76 AT 08:05:23
SRU'S:44.8 ELAPSED TIME: 00:01:06

COPPER ΔΔ 400.0

LEAD ΔΔΔΔ 40.0

ZINC ΔΔΔΔ 200.0

FREQUENCY ANALYSIS OF THE ^{SWIM} ~~SMITH~~ LAKE DATA BLOCK

VARIABLE: COPPER CUTOFF VALUE: 400.000

NUMBER OF SAMPLES READ --- 2079

MISSING DATA ----- 0

VALUES ABOVE CUTOFF -- 4

NUMBER USED IN ANALYSIS -- 2075

RANGE: 1.000 TO 193.000

MEAN: 18.385

ST. DEV.: 17.789

FREQUENCY ANALYSIS FOR: COPPER

INTERVAL	NUMBER	%	CULM.%
0. TO 9.999	621	29.93	29.93
10.000 TO 19.999	828	39.90	69.83
20.000 TO 29.999	332	16.00	85.83
30.000 TO 39.999	129	6.22	92.05
40.000 TO 49.999	69	3.33	95.37
50.000 TO 59.999	31	1.49	96.87
60.000 TO 69.999	21	1.01	97.88
70.000 TO 79.999	13	.63	98.51
80.000 TO 89.999	8	.39	98.89
90.000 TO 99.999	7	.34	99.23
100.000 TO 109.999	4	.19	99.42
110.000 TO 119.999	2	.10	99.52
120.000 TO 129.999	0	0.	99.52
130.000 TO 139.999	2	.10	99.61
140.000 TO 149.999	1	.05	99.66
150.000 TO 159.999	3	.14	99.81
160.000 TO 169.999	1	.05	99.86
170.000 TO 179.999	1	.05	99.90
180.000 TO 189.999	1	.05	99.95
190.000 TO 199.999	1	.05	100.00

FREQUENCY ANALYSIS OF THE SMITH LAKE DATA BLOCK

VARIABLE: LEAD CUTOFF VALUE: 40.000

NUMBER OF SAMPLES READ --- 2079

MISSING DATA ----- 0

VALUES ABOVE CUTOFF -- 46

NUMBER USED IN ANALYSIS -- 2033

RANGE: 0. TO 40.000

MEAN: 13.210

ST. DEV.: 7.278

FREQUENCY ANALYSIS FOR: LEAD

INTERVAL	NUMBER	%	CULM.%	
0. TO	1.999	47	2.31	2.31
2.000 TO	3.999	64	3.15	5.46
4.000 TO	5.999	120	5.90	11.36
6.000 TO	7.999	152	7.48	18.84
8.000 TO	9.999	264	12.99	31.82
10.000 TO	11.999	297	14.61	46.43
12.000 TO	13.999	245	12.05	58.48
14.000 TO	15.999	243	11.95	70.44
16.000 TO	17.999	136	6.69	77.13
18.000 TO	19.999	126	6.20	83.33
20.000 TO	21.999	80	3.94	87.26
22.000 TO	23.999	68	3.34	90.61
24.000 TO	25.999	38	1.87	92.47
26.000 TO	27.999	29	1.43	93.90
28.000 TO	29.999	38	1.87	95.77
30.000 TO	31.999	21	1.03	96.80
32.000 TO	33.999	30	1.48	98.28
34.000 TO	35.999	15	.74	99.02
36.000 TO	37.999	15	.74	99.75
38.000 TO	39.999	4	.20	99.95
40.000 TO	41.999	1	.05	100.00

FREQUENCY ANALYSIS OF THE SMITH LAKE DATA BLOCK

VARIABLE: ZINC CUTOFF VALUE: 200.000

NUMBER OF SAMPLES READ --- 2079

MISSING DATA ----- 0

VALUES ABOVE CUTOFF -- 81

NUMBER USED IN ANALYSIS -- 1998

RANGE: 3.000 TO 200.000

MEAN: 68.873

ST. DEV.: 36.393

FREQUENCY ANALYSIS FOR: ZINC

INTERVAL	NUMBER	%	CULM.%
0. TO 9.999	13	.65	.65
10.000 TO 19.999	28	1.40	2.05
20.000 TO 29.999	98	4.90	6.96
30.000 TO 39.999	237	11.86	18.82
40.000 TO 49.999	299	14.96	33.78
50.000 TO 59.999	306	15.32	49.10
60.000 TO 69.999	272	13.61	62.71
70.000 TO 79.999	182	9.11	71.82
80.000 TO 89.999	107	5.36	77.18
90.000 TO 99.999	106	5.31	82.48
100.000 TO 109.999	71	3.55	86.04
110.000 TO 119.999	62	3.10	89.14
120.000 TO 129.999	54	2.70	91.84
130.000 TO 139.999	40	2.00	93.84
140.000 TO 149.999	33	1.65	95.50
150.000 TO 159.999	25	1.25	96.75
160.000 TO 169.999	20	1.00	97.75
170.000 TO 179.999	18	.90	98.65
180.000 TO 189.999	12	.60	99.25
190.000 TO 199.999	12	.60	99.85
200.000 TO 209.999	3	.15	100.00

PROGRAM FINISHED
STOP

SRU'S:17.7

!

!OFF

USAGE ON 01/28/76 AT 23:57:39

SRU'S:23.8 ELAPSED TIME: 00:02:42