

DISTRIBUTION OF 1000 FT. BLOCKS WITH LEAD VALUES > 36

REPEAT OF BLOCK STATISTICS USING A CUTOFF VALUE = 400.

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

Z-VALUE RANGE 36.00 TO 400.00
 MEAN 69.43
 ST.DEV. 57.05

Z-VALUE FREQUENCY ANALYSIS

		NUMBER	%	CULM. %

20,000 TO	40,000	53	21.63	21.63
40,000 TO	60,000	94	38.37	60.00
60,000 TO	80,000	36	14.69	74.69
80,000 TO	100,000	15	6.12	80.82
100,000 TO	120,000	9	3.67	84.49
120,000 TO	140,000	10	4.08	88.57
140,000 TO	160,000	5	2.04	90.61
160,000 TO	180,000	3	1.22	91.84
180,000 TO	200,000	2	.82	92.65
200,000 TO	220,000	2	.82	93.47
220,000 TO	240,000	0	0.	93.47
240,000 TO	260,000	3	1.22	94.69
260,000 TO	280,000	0	0.	94.69
280,000 TO	300,000	1	.41	95.10
300,000 TO	320,000	0	0.	95.10
320,000 TO	340,000	1	.41	95.51
340,000 TO	360,000	1	.41	95.92
360,000 TO	380,000	0	0.	95.92
380,000 TO	400,000	1	.41	96.33
400,000 TO	420,000	1	.41	96.73

A Z-VALUE = 300.00 ACCOUNTS FOR AT LEAST 95% OF THE DATA

STOP FINISHED

DISTRIBUTION OF 1000 FT. BLOCKS WITH LEAD VALUES > 36

THE BLOCK STATISTICS FOLLOW:

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

Z-VALUE RANGE 36.00 TO 4500.00
 MEAN 100.15
 ST. DEV. 201.21

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %
0. TO 200.000	227	92.65	92.65
200.000 TO 400.000	9	3.67	96.33
400.000 TO 600.000	4	1.63	97.96
600.000 TO 800.000	2	.82	98.78
800.000 TO 1000.000	0	0.	98.78
1000.000 TO 1200.000	1	.41	99.18
1200.000 TO 1400.000	0	0.	99.18
1400.000 TO 1600.000	0	0.	99.18
1600.000 TO 1800.000	1	.41	99.59
1800.000 TO 2000.000	0	0.	99.59
2000.000 TO 2200.000	0	0.	99.59
2200.000 TO 2400.000	1	.41	100.00
2400.000 TO 2600.000	0	0.	100.00
2600.000 TO 2800.000	0	0.	100.00
2800.000 TO 3000.000	0	0.	100.00
3000.000 TO 3200.000	0	0.	100.00
3200.000 TO 3400.000	0	0.	100.00
3400.000 TO 3600.000	0	0.	100.00
3600.000 TO 3800.000	0	0.	100.00
3800.000 TO 4000.000	0	0.	100.00
4000.000 TO 4200.000	0	0.	100.00
4200.000 TO 4400.000	0	0.	100.00
4400.000 TO 4600.000	0	0.	100.00

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

DISTRIBUTION OF 1000 FT. BLOCKS WITH LEAD VALUES > 36

ELEMENT: PB WITH VALUES > OR = 36

CARDS READ: 424

DATA POINTS: 1272

POINTS USED: 390 (VALUES > OR = 36)

X-COOR RANGE: -1067 - 2059

Y-COOR RANGE: 109 - 4085

Z-VALUE RANGE: 36 - 4500

!EQUATE 1 ELMDAT.CA
!LOAD CONPAK.CA

!START
TITLE 'CONTOUR PLOT OF LEAD IN THE RANGE 36-200'
WELIM -11 21
SNLIM 0 41
GRDSP 0.5
SCALE 1 1
USE 'PB'
CONLEV 36 200 14
NOPOST
SMOOTH 3
.....VARIABLE 2 (PB) WILL BE USED

NOTE: THE DISPLAY MAP OUTPUT WILL BE FORMATTED FOR A PRINTER WITH 6 LINES/INCH

CONTOUR PLOT OF LEAD IN THE RANGE 36-200pp

INPUT DATA FOR GRIDDING AND CONTOURING IS AS FOLLOWS:

MAP LIMITS (DATA UNITS):

X-AXIS -11.000000 TO 21.500000
Y-AXIS 0. TO 41.500000

TOTAL POINTS READ: 1272

POINTS OUTSIDE LIMITS: 0 (IGNORED)

POINTS WITHIN LIMITS: 1272

X-COOR RANGE: -10.670000 TO 20.590000

Y-COOR RANGE: 1.0900000 TO 40.850000

THE DATA POINTS ARE ENCLOSED BY A CONVEX POLYGON OF DEGREE 15
THE COORDINATES (IN GRID UNITS) OF THE POLYGON ARE:

X	Y	X	Y	X	Y
1.660	22.900	19.120	75.320	32.800	82.060
35.540	82.700	42.760	78.840	48.460	73.120
50.760	70.800	59.260	62.220	61.520	59.900
62.080	59.320	64.180	53.820	43.280	19.680
38.380	15.320	24.660	3.180	20.440	4.040

CONTOUR PLOT OF LEAD IN THE RANGE 36-20000

Z-VALUE STATISTICS FOR THE DATA POINTS FOLLOW:

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

Z-VALUE RANGE 4.00 TO 4500.00
 MEAN 51.74 ✓
 ST. DEV. 180.66 ✓

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %
0. TO 200.000	1241	97.56	97.56
200.000 TO 400.000	17	1.34	98.90
400.000 TO 600.000	5	.39	99.29
600.000 TO 800.000	3	.24	99.53
800.000 TO 1000.000	1	.08	99.61
1000.000 TO 1200.000	1	.08	99.69
1200.000 TO 1400.000	0	0.	99.69
1400.000 TO 1600.000	1	.08	99.76
1600.000 TO 1800.000	0	0.	99.76
1800.000 TO 2000.000	0	0.	99.76
2000.000 TO 2200.000	1	.08	99.84
2200.000 TO 2400.000	0	0.	99.84
2400.000 TO 2600.000	0	0.	99.84
2600.000 TO 2800.000	0	0.	99.84
2800.000 TO 3000.000	0	0.	99.84
3000.000 TO 3200.000	0	0.	99.84
3200.000 TO 3400.000	1	.08	99.92
3400.000 TO 3600.000	0	0.	99.92
3600.000 TO 3800.000	0	0.	99.92
3800.000 TO 4000.000	0	0.	99.92
4000.000 TO 4200.000	0	0.	99.92
4200.000 TO 4400.000	0	0.	99.92
4400.000 TO 4600.000	1	.08	100.00

A Z-VALUE = 200.00 ACCOUNTS FOR AT LEAST 95% OF THE DATA

CONTOUR PLOT OF LEAD IN THE RANGE 36-200pp

BEGIN THE GRID INTERPOLATION USING THE ORIGINAL DATA POINTS

THE MAP PARAMETERS ARE:

X-AXIS LIMITS (DATA UNITS): -11.000000 TO 21.500000 COLUMNS = 66
Y-AXIS LIMITS (DATA UNITS): 0. TO 41.500000 ROWS = 84

GRID SPACING: .50000000 DATA UNITS (.500 INCHES)

MAP SCALE:

X-AXIS: 1.0000000 DATA UNITS/INCH
Y-AXIS: 1.0000000 DATA UNITS/INCH

SEARCH LIMITS (GRID UNITS): 1.044 TO 4.175

41 POINTS HAD 0 NEIGHBORS WITHIN SEARCH LIMITS
69 POINTS HAD 5 NEIGHBORS WITHIN SEARCH LIMITS
484 POINTS HAD 6 NEIGHBORS WITHIN SEARCH LIMITS
455 POINTS HAD 7 NEIGHBORS WITHIN SEARCH LIMITS
223 POINTS HAD 8 NEIGHBORS WITHIN SEARCH LIMITS

AVERAGE DISTANCE BETWEEN POINTS: 1.893 GRID UNITS (.947 DATA UNITS)

TOTAL NO. GRID MESH POINTS ----- 5544
NO. MESH POINTS OUTSIDE CONVEX HULL -- 2315
NO. MESH POINTS EVALUATED ----- 2430
NO. MESH POINTS AVERAGED ----- 799

MINIMUM GRID VALUE: 4.0000000
MAXIMUM GRID VALUE: 2655.4054
MEAN GRID VALUE: 48.242169

CONTOUR PLOT OF LEAD IN THE RANGE 36-20000

MAP TYPE: NORMAP WILL BE PRINTED FROM AN ALTERNATE PRINT FILE

THE PRINTER SPACING SHOULD BE: 6 LINES/INCH

!SWITCH OUTS:NORMAP,XX .

!SWITCH OUTS:,CLOSE .

!OUTPUT NORMAP,XX 6043244010 FORM:BLNK LINES:511 SPACE:5 .

GPS362 NORMAP,XX-PNC 11402

STOP FINISHED

SRU'S:282.3

!OFF

USAGE ON 11/24/75 AT 15:34:10

SRU'S:283.7 ELAPSED TIME: 00:10:27

VANGUARD BLOCK

FARO DATA -- DISTRIBUTION OF LEAD VALUES WITH VALUES >25

ELEMENT: PB WITH VALUES > OR = 25

MAP ORIGIN: 265E 22680N

XMIN: 0.

YMIN: -17.06

MAP COORDINATES AT LOWER LEFT CORNER: 265E 22662N

CARDS READ: 258 DATA POINTS: 774

DATA POINTS USED = 459

Z-VALUE RANGE: 26 - 800

FARO DATA -- DISTRIBUTION OF LEAD VALUES WITH VALUES >25

THE BLOCK STATISTICS FOLLOW:

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

Z-VALUE RANGE 26.00 TO 800.00
 MEAN 39.35
 ST.DEV. 37.53

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %

0. TO 50.000	243	91.70	91.70
50.000 TO 100.000	15	5.66	97.36
100.000 TO 150.000	2	.75	98.11
150.000 TO 200.000	0	0.	98.11
200.000 TO 250.000	3	1.13	99.25
250.000 TO 300.000	0	0.	99.25
300.000 TO 350.000	1	.38	99.62
350.000 TO 400.000	0	0.	99.62
400.000 TO 450.000	1	.38	100.00
450.000 TO 500.000	0	0.	100.00
500.000 TO 550.000	0	0.	100.00
550.000 TO 600.000	0	0.	100.00
600.000 TO 650.000	0	0.	100.00
650.000 TO 700.000	0	0.	100.00
700.000 TO 750.000	0	0.	100.00
750.000 TO 800.000	0	0.	100.00
800.000 TO 850.000	0	0.	100.00

A Z-VALUE = 100.00 ACCOUNTS FOR AT LEAST 95% OF THE DATA

FARO DATA -- DISTRIBUTION OF LEAD VALUES WITH VALUES >25

REPEAT OF BLOCK STATISTICS USING A CUTOFF VALUE = 100.

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

Z-VALUE RANGE 26.00 TO 100.00
MEAN 34.10
ST.DEV. 9.89

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %
25.000 TO 30.000	85	32.95	32.95
30.000 TO 35.000	95	36.82	69.77
35.000 TO 40.000	32	12.40	82.17
40.000 TO 45.000	20	7.75	89.92
45.000 TO 50.000	7	2.71	92.64
50.000 TO 55.000	5	1.94	94.57
55.000 TO 60.000	2	.78	95.35
60.000 TO 65.000	0	0.	95.35
65.000 TO 70.000	0	0.	95.35
70.000 TO 75.000	1	.39	95.74
75.000 TO 80.000	0	0.	95.74
80.000 TO 85.000	2	.78	96.51
85.000 TO 90.000	2	.78	97.29
90.000 TO 95.000	1	.39	97.67
95.000 TO 100.000	0	0.	97.67
100.000 TO 105.000	0	0.	97.67

A Z-VALUE = 60.00 ACCOUNTS FOR AT LEAST 95% OF THE DATA

STOP FINISHED

SRU'S:13.8

!

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

GPS362 MAPFIL-PNC 8789

!OFF

USAGE ON 02/06/76 AT 20:08:08

SRU'S:20.9 ELAPSED TIME: 00:01:16