

020299

!EQUATE 1 ELMDAT.CA
!LOAD CONPAK.CA

!START
TITLE 'CONTOUR PLOT OF COPPER IN THE RANGE 24-100'
WELIM -11 21
SNLIM 0 41
GRDSP 1.0
SCALE 1 1
USE 'CU'
CONLEV 24 100 8
SMOOTH 3

....VARIABLE 1 (CU) WILL BE USED

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

VANGORDA BLOCK

CONTOUR PLOT OF COPPER IN THE RANGE 24-100

INPUT DATA FOR GRIDDING AND CONTOURING IS AS FOLLOWS:

MAP LIMITS (DATA UNITS):
X-AXIS -11.000000 TO 22.000000
Y-AXIS 0. TO 42.000000

TOTAL POINTS READ: 1272
POINTS OUTSIDE LIMITS: 0 (IGNORED)
POINTS WITHIN LIMITS: 1272

X-COOR RANGE: -10.670000 TO 20.590000
Y-COOR RANGE: 1.090000 TO 40.850000

THE DATA POINTS ARE ENCLOSED BY A CONVEX POLYGON OF DEGREE 13
THE COORDINATES (IN GRID UNITS) OF THE POLYGON ARE:

X	Y	X	Y	X	Y
1.330	11.950	10.060	38.160	16.900	41.530
18.270	41.850	21.880	39.920	25.010	36.770
30.130	31.610	31.260	30.450	32.590	27.410
22.140	10.340	19.690	8.160	12.830	2.090
10.720	2.520				

CONTOUR PLOT OF COPPER IN THE RANGE 24-100

Z-VALUE STATISTICS FOR THE DATA POINTS FOLLOW:

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

Z-VALUE RANGE 3.00 TO 840.00
 MEAN 28.39
 ST.DEV. 33.87

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %
0. TO 50.000	1155	90.80	90.80
50.000 TO 100.000	97	7.63	98.43
100.000 TO 150.000	10	.79	99.21
150.000 TO 200.000	6	.47	99.69
200.000 TO 250.000	1	.08	99.76
250.000 TO 300.000	1	.08	99.84
300.000 TO 350.000	0	0.	99.84
350.000 TO 400.000	0	0.	99.84
400.000 TO 450.000	0	0.	99.84
450.000 TO 500.000	1	.08	99.92
500.000 TO 550.000	0	0.	99.92
550.000 TO 600.000	0	0.	99.92
600.000 TO 650.000	0	0.	99.92
650.000 TO 700.000	0	0.	99.92
700.000 TO 750.000	0	0.	99.92
750.000 TO 800.000	0	0.	99.92
800.000 TO 850.000	1	.08	100.00

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

CONTOUR PLOT OF COPPER IN THE RANGE 24-100

LOCATION PLOT OF THE DATA POINTS WILL BE PRINTED AS A SEPARATE PRINT FILE

THE OUTPUT IS COMPUTED FOR A PRINTER WITH A LINE SPACING OF: 6 LINES/INCH

!SWITCH OUT\$:PTSMAP,XX .

!SWITCH OUT\$: ,CLOSE .

GPS362 PTSMAP,XX-PNC 47823

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

THE POINT LOCATION MAP IS FINISHED

CONTOUR PLOT OF COPPER IN THE RANGE 24-100

BEGIN THE GRID INTERPOLATION USING THE ORIGINAL DATA POINTS

THE MAP PARAMETERS ARE:

X-AXIS LIMITS (DATA UNITS): -11.000000 TO 22.000000 COLUMNS = 34
Y-AXIS LIMITS (DATA UNITS): 0. TO 42.000000 ROWS = 43

GRID SPACING: 1.000000 DATA UNITS (1.000 INCHES)

MAP SCALE:

X-AXIS: 1.000000 DATA UNITS/INCH
Y-AXIS: 1.000000 DATA UNITS/INCH

SEARCH LIMITS (GRID UNITS): .536 TO 2.144

36 POINTS HAD 0 NEIGHBORS WITHIN SEARCH LIMITS
59 POINTS HAD 5 NEIGHBORS WITHIN SEARCH LIMITS
460 POINTS HAD 6 NEIGHBORS WITHIN SEARCH LIMITS
464 POINTS HAD 7 NEIGHBORS WITHIN SEARCH LIMITS
253 POINTS HAD 8 NEIGHBORS WITHIN SEARCH LIMITS

AVERAGE DISTANCE BETWEEN POINTS: .957 GRID UNITS (.957 DATA UNITS)

TOTAL NO. GRID MESH POINTS ----- 1462
NO. MESH POINTS OUTSIDE CONVEX HULL -- 591
NO. MESH POINTS EVALUATED ----- 713
NO. MESH POINTS AVERAGED ----- 158

MINIMUM GRID VALUE: 3.000000
MAXIMUM GRID VALUE: 185.61048
MEAN GRID VALUE: 29.616714

CONTOUR PLOT OF COPPER IN THE RANGE 24-100

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 29143

STOP FINISHED

SRU'S:301.3

!ADVANCE

DISTRIBUTION OF 1000 FT. BLOCKS WITH COOPER VALUES > 24

ELEMENT: CU WITH VALUES > OR = 24

CARDS READ: 424

DATA POINTS: 1272

POINTS USED: 616 (VALUES > OR = 24)

X-COOR RANGE: -1067 - 2059

Y-COOR RANGE: 109 - 4085

Z-VALUE RANGE: 24 - 840

DISTRIBUTION OF 1000 FT. BLOCKS WITH COOPER VALUES > 24

THE BLOCK STATISTICS FOLLOW:

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

Z-VALUE RANGE 24.00 TO 840.00
 MEAN 42.29
 ST. DEV. 46.29

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %
0. TO 50.000	313	82.15	82.15
50.000 TO 100.000	58	15.22	97.38
100.000 TO 150.000	6	1.57	98.95
150.000 TO 200.000	1	.26	99.21
200.000 TO 250.000	2	.52	99.74
250.000 TO 300.000	0	0.	99.74
300.000 TO 350.000	0	0.	99.74
350.000 TO 400.000	0	0.	99.74
400.000 TO 450.000	0	0.	99.74
450.000 TO 500.000	0	0.	99.74
500.000 TO 550.000	0	0.	99.74
550.000 TO 600.000	0	0.	99.74
600.000 TO 650.000	0	0.	99.74
650.000 TO 700.000	0	0.	99.74
700.000 TO 750.000	0	0.	99.74
750.000 TO 800.000	0	0.	99.74
800.000 TO 850.000	1	.26	100.00

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

DISTRIBUTION OF 1000 FT. BLOCKS WITH COOPER VALUES > 24

REPEAT OF BLOCK STATISTICS USING A CUTOFF VALUE = 100.

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

Z-VALUE RANGE 24.00 TO 100.00
MEAN 36.69
ST. DEV. 12.87

Z-VALUE FREQUENCY ANALYSIS

	NUMBER	%	CULM. %

20.000 TO	25.000	23	6.04
25.000 TO	30.000	100	26.25
30.000 TO	35.000	65	17.06
35.000 TO	40.000	65	17.06
40.000 TO	45.000	42	11.02
45.000 TO	50.000	18	4.72
50.000 TO	55.000	16	4.20
55.000 TO	60.000	11	2.89
60.000 TO	65.000	12	3.15
65.000 TO	70.000	5	1.31
70.000 TO	75.000	6	1.57
75.000 TO	80.000	4	1.05
80.000 TO	85.000	2	.52
85.000 TO	90.000	0	0.
90.000 TO	95.000	0	0.
95.000 TO	100.000	2	.52
100.000 TO	105.000	0	0.

A Z-VALUE = 75.00 ACCOUNTS FOR AT LEAST 95% OF THE DATA

STOP FINISHED

FREQUENCY ANALYSIS USING LOG BASE 10 OF THE VALUES

VARIABLE: COPPER CUTOFF VALUE: 100.000

NUMBER OF SAMPLES READ --- 1272

MISSING DATA ----- 0
VALUES ABOVE CUTOFF -- 19

NUMBER USED IN ANALYSIS -- 1253

RANGE: .477 TO 2.000

MEAN: 1.340

ST. DEV.: .250

FREQUENCY ANALYSIS FOR: COPPER

INTERVAL	NUMBER	%	CULM.%
.400 TO .499	1	.08	.08
.500 TO .599	0	.00	.08
.600 TO .699	9	.72	.80
.700 TO .799	11	.88	1.68
.800 TO .899	17	1.36	3.03
.900 TO .999	98	7.82	10.85
1.000 TO 1.099	93	7.42	18.28
1.100 TO 1.199	124	9.90	28.17
1.200 TO 1.299	156	12.45	40.62
1.300 TO 1.399	214	17.08	57.70
1.400 TO 1.499	196	15.64	73.34
1.500 TO 1.599	161	12.85	86.19
1.600 TO 1.699	81	6.46	92.66
1.700 TO 1.799	53	4.23	96.89
1.800 TO 1.899	24	1.92	98.80
1.900 TO 1.999	15	1.20	100.00
2.000 TO 2.099	0	.00	100.00

STATISTICS SECTION - 12/17/74