

HYDRAULICS DIVISION
Technical Note



DATE:

October 1981

REPORT NO: 81-27

TITLE:

Particle Size Data Report 81-13

AUTHOR:

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REASON FOR REPORT:

This report responds to a request for particle size data from A. Mudroch, ECD.

CORRESPONDENCE FILE NO:

5690 (Study No. 2302)

1.0 INTRODUCTION

This report provides the results of particle size analysis on sediments from the Niagara River.

A. Mudroch, ECD, submitted 180 samples requesting sand, silt and clay percentages. The samples were analysed by K. Salisbury and the results checked by G. Duncan.

2.0 PROCEDURE

The Sieve and Sedigraph Method which provides sand, silt and clay percentages was used to analyse the samples.

Briefly, the procedure consists of:

1. Splitting the sample to 2g.
2. Removing particles large enough to block Sedigraph Suction Tube (0.088 mm).
3. Dispersing sample in a Calgon suspension.
4. Automatic analysis with the Sedigraph.
5. Processing the results with SIZDIST: a FORTRAN IV computer program (Sandilands and Duncan, 1980).

3.0 RESULTS

For the Sieve and Sedigraph Method, the output consists of:

1. A histogram of the frequency distribution.
2. The percentage and cumulative percentages of the material occurring within each 1/2 PHI unit.
3. Moment measures (Krumbein and Pettijohn, 1938) and graphic (Folk and Ward, 1957) statistics.
4. Percentiles.
5. Percent gravel, sand, silt and clay.
6. Ratios used to plot Folk's Ternary Classification.
7. Shepard (1954) and Folk (1974) Ternary Classifications.

REFERENCES

- Duncan, G. A. and LaHaie, G. G., 1979. "Size Analysis Procedures Used in the Sedimentology Laboratory, NWRI". NWRI, CCIW, Hydraulics Division Manual, September 1979.
- Folk, R. L., 1968. "Petrology of Sedimentary Rocks". Hemphill Publishing Co., Austin, Texas, 182 p.
- Folk, R. L. and Ward, W. C., 1957. "Brazos River Bar: A Study in the Significance of Grain Size Parameters". Jour. Sed. Petrology, V. 27, pp. 3-26.
- Krumbein, W. C. and Pettijohn, F. J., 1938. "Manual of Sedimentary Petrography". Appleton-Century-Crofts, New York, 549 p.
- Sandilands, R. G. and Duncan, G. A., 1980. "SIZDIST - A Computer Program for Size Analysis". NWRI, CCIW, Hydraulics Division Technical Note, Report No. 80-08.
- Shepard, F. P., 1954. "Nomenclature Based on Sand-Silt Ratios". Jour. Sed. Petrology, V. 24, pp. 151-158.

APPENDIX 1
SIZDIST Output

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	**
4.50	2.06	2.06	****
5.00	4.12	6.19	*****
5.50	6.19	12.37	*****
6.00	10.31	22.68	*****
6.50	12.37	35.05	*****
7.00	12.37	47.42	*****
7.50	15.46	62.89	*****
8.00	8.25	71.13	*****
8.50	6.19	77.32	*****
9.00	4.12	81.44	****
9.50	3.09	84.54	***
10.00	1.03	85.57	*
10.50	1.03	86.60	*
11.00	1.03	87.63	*
11.50	0.00	87.63	*
12.00	1.03	88.66	*
****	11.34	88.66	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

6.95 1.42 .34 .81

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.08	5TH	4.86	16TH	5.68	25TH	6.09
			75TH	8.31	84TH	9.41	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	71.13	(SEDIGRAPH)		28.87
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	71.13	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	
5.00	0.00	1.00	
5.50	0.00	1.00	
6.00	3.00	4.00	***
6.50	6.00	10.00	*****
7.00	7.00	17.00	*****
7.50	11.00	28.00	*****
8.00	12.00	40.00	*****
8.50	8.00	48.00	*****
9.00	12.00	60.00	*****
9.50	5.00	65.00	*****
10.00	9.00	74.00	*****
10.50	5.00	79.00	*****
11.00	3.00	82.00	***
11.50	3.00	85.00	***
12.00	3.00	88.00	***
****	12.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.37 1.57 .09 -.39

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.58	5TH	6.08	16TH	6.93	25TH	7.36
			75TH	10.10	84TH	11.33	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	40.00	(SEDIGRAPH)	60.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	40.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			ASSUMED UPPER LIMIT
	4.04		****
4.00	0.00	4.04	
4.50	1.01	4.04	*
5.00	2.02	5.05	**
5.50	5.56	7.07	*****
6.00	6.57	12.63	*****
6.50	9.09	19.19	*****
7.00	10.10	28.28	*****
7.50	8.08	38.38	*****
8.00	9.09	46.46	*****
8.50	5.05	55.56	*****
9.00	6.06	60.61	*****
9.50	4.04	66.67	****
10.00	4.04	70.71	****
10.50	2.02	74.75	**
11.00	2.02	76.77	**
11.50	1.01	78.79	*
12.00	20.20	79.80	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.68 1.79 -.02 -.20

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.19	5TH	4.98	16TH	6.26	25TH	6.82
			75TH	10.56	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	4.04	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	42.42	(SEDIGRAPH)		53.54
GRAVEL+SAND	4.04	SILT/(SILT+CLAY)		44.21PCT.GRAV+SAND/SILT+CLAY				.04
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		**
	2.00		
4.00	3.00	2.00	***
4.50	4.00	5.00	****
5.00	4.00	9.00	****
5.50	7.00	13.00	*****
6.00	6.00	20.00	*****
6.50	6.00	26.00	*****
7.00	10.00	32.00	*****
7.50	8.00	42.00	*****
8.00	7.00	50.00	*****
8.50	6.00	57.00	*****
9.00	5.00	63.00	*****
9.50	4.00	68.00	****
10.00	3.50	72.00	***
10.50	1.50	75.50	*
11.00	2.50	77.00	**
11.50	2.50	79.50	**
12.00	18.00	82.00	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.54 1.97 .09 -.58

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.00	5TH	4.50	16TH	5.71	25TH	6.42
			75TH	10.43	84TH	*****	95TH	*****

PCT. GRAVEL	.00	SAND	2.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	48.00	(SEDIGRAPH)	50.00

GRAVEL+SAND 2.00 SILT/(SILT+CLAY) 48.98PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	0.00	1.00	
5.50	2.00	3.00	**
6.00	5.00	8.00	*****
6.50	7.00	15.00	*****
7.00	8.00	23.00	*****
7.50	9.00	32.00	*****
8.00	9.00	41.00	*****
8.50	9.00	50.00	*****
9.00	10.00	60.00	*****
9.50	7.00	67.00	*****
10.00	5.00	72.00	*****
10.50	5.00	77.00	*****
11.00	3.00	80.00	***
11.50	3.00	83.00	***
12.00	3.00	86.00	***
****	14.00	86.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.19 1.69 .10 -.55

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.50	5TH	5.70	16TH	6.56	25TH	7.11
			75TH	10.30	84TH	11.67	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	41.00	(SEDIGRAPH)	59.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	41.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)	-MUD		(SCS)	-MUD	

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		*
	1.00		*
4.00	1.00	1.00	*
4.50	1.00	2.00	*
5.00	2.00	3.00	**
5.50	4.00	5.00	****
6.00	5.00	9.00	*****
6.50	6.00	14.00	*****
7.00	10.00	20.00	*****
7.50	10.00	30.00	*****
8.00	8.00	40.00	*****
8.50	9.00	48.00	*****
9.00	7.00	57.00	*****
9.50	7.00	64.00	*****
10.00	7.00	71.00	*****
10.50	4.00	78.00	****
11.00	3.50	82.00	***
11.50	3.00	85.50	***
12.00	11.50	88.50	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.31 1.79 -.06 -.46

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.61	5TH	5.50	16TH	6.67	25TH	7.25
			75TH	10.29	84TH	11.29	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	39.00	(SEDIGRAPH)	60.00	
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)	39.39PCT.GRAV+SAND/SILT+CLAY			.01		
LABELS SHEPARD	-SILTY CLAY			FOLK(GMS)-MUD			(SCS)-MUD	

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	3.00	4.00	***
6.00	8.00	12.00	*****
6.50	8.00	20.00	*****
7.00	8.00	28.00	*****
7.50	12.00	40.00	*****
8.00	10.00	50.00	*****
8.50	9.50	59.50	*****
9.00	8.50	68.00	*****
9.50	5.00	73.00	*****
10.00	7.00	80.00	*****
10.50	3.00	83.00	***
11.00	2.00	85.00	**
11.50	5.00	90.00	*****
12.00	2.00	92.00	**
****	8.00	92.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.98 1.69 .19 -.59

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.00	5TH	5.56	16TH	6.25	25TH	6.81
			75TH	9.64	84TH	10.75	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	50.00	(SEDIGRAPH)		50.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	50.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	4.05	4.05	****
6.00	1.35	5.41	*
6.50	5.41	10.81	*****
7.00	5.41	16.22	*****
7.50	12.16	28.38	*****
8.00	10.81	39.19	*****
8.50	8.11	47.30	*****
9.00	6.76	54.05	*****
9.50	6.76	60.81	*****
10.00	5.41	66.22	*****
10.50	4.05	70.27	****
11.00	2.70	72.97	***
11.50	2.70	75.68	***
12.00	2.70	78.38	***
****	21.62	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.23 1.62 .14 -.49

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.70	5TH	5.85	16TH	6.98	25TH	7.36
			75TH	11.38	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	39.19	(SEDIGRAPH)	60.81	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	39.19	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	1.00	1.00	*
6.00	4.00	5.00	****
6.50	3.00	8.00	***
7.00	6.00	14.00	*****
7.50	9.00	23.00	*****
8.00	9.00	32.00	*****
8.50	9.00	41.00	*****
9.00	11.00	52.00	*****
9.50	6.00	58.00	*****
10.00	8.00	66.00	*****
10.50	5.00	71.00	*****
11.00	4.00	75.00	****
11.50	3.50	78.50	***
12.00	2.50	81.00	**
*****	19.00	81.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.51 1.57 .06 -.66

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.91	5TH	6.00	16TH	7.11	25TH	7.61
			75TH	11.00	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	32.00	(SEDIGRAPH)	68.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	32.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD		(SCS)-CLAY				

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	
	3.00		***
4.00	3.00	3.00	***
4.50	2.00	6.00	**
5.00	4.00	8.00	****
5.50	2.00	12.00	**
6.00	4.00	14.00	****
6.50	6.00	18.00	*****
7.00	9.00	24.00	*****
7.50	8.00	33.00	*****
8.00	8.00	41.00	*****
8.50	9.00	49.00	*****
9.00	6.00	58.00	*****
9.50	7.00	64.00	*****
10.00	5.00	71.00	*****
10.50	3.50	76.00	***
11.00	3.50	79.50	***
11.50	4.50	83.00	****
12.00	12.50	87.50	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.10 2.06 -.11 -.56

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.56	5TH	4.33	16TH	6.25	25TH	7.06
			75TH	10.40	84TH	11.61	95TH	*****
PCT. GRAVEL	.00	SAND	3.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	38.00	(SEDIGRAPH)		59.00
GRAVEL+SAND	3.00	SILT/(SILT+CLAY)	39.18PCT.GRAV+SAND/SILT+CLAY			.03		
LABELS SHEPARD	-SILTY CLAY			FOLK(GMS)-MLD			(SCS)-MUD	

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	1.00	1.00	*
6.00	2.00	3.00	**
6.50	6.50	9.50	*****
7.00	5.50	15.00	*****
7.50	13.00	28.00	*****
8.00	9.00	37.00	*****
8.50	11.00	48.00	*****
9.00	11.50	59.50	*****
9.50	9.50	69.00	*****
10.00	7.00	76.00	*****
10.50	5.00	81.00	*****
*****	19.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.11 1.23 -.06 -.78

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 10.5 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.59	5TH	6.15	16TH	7.04	25TH	7.38
			75TH	9.93	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	37.00	(SEDIGRAPH)	63.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	37.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)-MUD			(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	.50	1.00	
5.50	1.00	2.00	*
6.00	2.00	4.00	**
6.50	6.50	10.50	*****
7.00	7.50	18.00	*****
7.50	10.00	28.00	*****
8.00	12.00	40.00	*****
8.50	10.00	50.00	*****
9.00	11.00	61.00	*****
9.50	9.50	70.50	*****
10.00	6.50	77.00	*****
10.50	5.00	82.00	*****
11.00	5.00	87.00	*****
11.50	4.00	91.00	****
12.00	3.00	94.00	***
****	6.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.44 1.59 .07 -.50

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.50	5TH	6.08	16TH	6.87	25TH	7.35
			75TH	9.85	84TH	10.70	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	40.00	(SEDIGRAPH)		60.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	40.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)-MUD			(SCS)-MUD		

11/04/81

PHI	PCT.	CUMFCT.	
3.50			
4.00	0.00	0.00	*
4.50	.58	.58	*
5.00	.58	1.16	
5.50	0.00	1.16	
6.00	1.16	2.33	*
6.50	4.65	6.98	*****
7.00	4.65	11.63	*****
7.50	10.47	22.09	*****
8.00	9.30	31.40	*****
8.50	10.47	41.86	*****
9.00	12.79	54.65	*****
9.50	10.47	65.12	*****
10.00	8.14	73.26	*****
10.50	5.81	79.07	*****
11.00	4.65	83.72	*****
11.50	5.81	89.53	*****
12.00	2.33	91.86	**
*****	8.14	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.68 1.53 -.02 -.35

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.82	5TH	6.29	16TH	7.21	25TH	7.66
			75TH	10.15	84TH	11.02	95TH*****	

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	31.40	(SEDIGRAPH)	68.60
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	31.40	PCT.GRAV+SAND/SILT+CLAY			.00
LABELS SHEPARD		-SILTY CLAY	FOLK(GMS)-MUD			(SCS)-CLAY	

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	1.00	1.00	*
6.00	2.00	3.00	**
6.50	3.00	6.00	***
7.00	4.00	10.00	****
7.50	5.00	15.00	*****
8.00	7.00	22.00	*****
8.50	7.00	29.00	*****
9.00	10.00	39.00	*****
9.50	9.00	48.00	*****
10.00	7.00	55.00	*****
10.50	9.00	64.00	*****
11.00	13.00	77.00	*****
11.50	12.00	89.00	*****
12.00	7.00	96.00	*****
****	4.00	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.36	1.67	-.22	-.75
9.50	1.78	-.15	.85

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	9.64	5TH	6.33	16TH	7.57	25TH	8.21
			75TH	10.92	84TH	11.29	95TH	11.93
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	22.00	(SEDIGRAPH)	78.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	22.00	PCT.GRAV+SAND/SILT+CLAY	.00			
LABELS SHEPARD	-CLAY	FOLK(GMS)-MUD		(SCS)-CLAY				

11/04/80

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	1.00	2.00	*
6.00	2.00	4.00	**
6.50	2.00	6.00	**
7.00	4.00	10.00	****
7.50	7.00	17.00	*****
8.00	8.00	25.00	*****
8.50	8.00	33.00	*****
9.00	10.00	43.00	*****
9.50	9.00	52.00	*****
10.00	5.00	57.00	*****
10.50	7.00	64.00	*****
11.00	6.00	70.00	*****
11.50	5.00	75.00	*****
12.00	4.00	79.00	****
****	21.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.84 1.65 -.08 -.55

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.39	5TH	6.25	16TH	7.43	25TH	8.00
			75TH	11.50	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	25.00	(SEDIGRAPH)		75.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	25.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAY		FOLK(GMS)-MUD			(SCS)-CLAY		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	.50	1.00	
5.50	1.00	2.00	*
6.00	2.00	4.00	**
6.50	3.00	7.00	***
7.00	5.00	12.00	*****
7.50	6.00	18.00	*****
8.00	8.00	26.00	*****
8.50	8.50	34.50	*****
9.00	11.00	45.50	*****
9.50	8.50	54.00	*****
10.00	8.00	62.00	*****
10.50	7.00	69.00	*****
11.00	6.00	75.00	*****
11.50	5.00	80.00	*****
12.00	5.00	85.00	*****
****	15.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.86 1.67 -.10 -.49

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.26	5TH	6.17	16TH	7.33	25TH	7.94
			75TH	11.00	84TH	11.90	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	26.00	(SEDIGRAPH)		74.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	26.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-CLAY		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	
	2.00		**
4.00	2.00	2.00	**
4.50	2.00	4.00	**
5.00	2.00	6.00	**
5.50	2.00	8.00	**
6.00	3.00	11.00	***
6.50	5.00	16.00	*****
7.00	6.00	22.00	*****
7.50	9.00	31.00	*****
8.00	9.00	40.00	*****
8.50	9.50	49.50	*****
9.00	11.00	60.50	*****
9.50	8.00	68.50	*****
10.00	8.50	77.00	*****
10.50	5.00	82.00	*****
11.00	4.00	86.00	****
11.50	4.00	90.00	****
12.00	2.50	92.50	**
****	7.50	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.22 1.86 -.15 -.29

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.52	5TH	4.75	16TH	6.50	25TH	7.17
			75TH	9.88	84TH	10.75	95TH	*****

PCT. GRAVEL	.00	SAND	2.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	38.00	(SEDIGRAPH)	60.00

GRAVEL+SAND 2.00 SILT/(SILT+CLAY) 38.78PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT. CUMPCT.	
3.50	ASSUMED UPPER LIMIT	
	11.11	*****
4.00	11.11	*****
4.50	22.22	*****
	8.89	*****
5.00	31.11	*****
	8.89	*****
5.50	40.00	*****
	10.00	*****
6.00	50.00	*****
	7.78	*****
6.50	57.78	*****
	6.67	*****
7.00	64.44	*****
	6.67	*****
7.50	71.11	*****
	6.67	*****
8.00	77.78	****
	3.89	****
8.50	81.67	****
	3.89	****
9.00	85.56	***
	2.78	***
9.50	88.33	**
	2.78	**
10.00	91.11	*
	1.11	*
10.50	92.22	*
	1.11	*
11.00	93.33	*
	1.11	*
11.50	94.44	*
	.56	*
12.00	95.00	*****
*****	5.00	*****
	100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN 6.00	5TH*****	16TH 4.22	25TH 4.66
		75TH 7.79	84TH 8.80	95TH 12.00
PCT. GRAVEL	.00	SAND 11.11	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 66.67	(SEDIGRAPH) 22.22
GRAVEL+SAND	11.11	SILT/(SILT+CLAY)	75.00	PCT.GRAV+SAND/SILT+CLAY .13
LABELS SHEPARD	-CLAYEY SILT	FOLK(GMS)-SANDY MUD		(SCS)-SANDY SILT

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	5.00	6.00	*****
6.00	12.00	18.00	*****
6.50	12.00	30.00	*****
7.00	11.00	41.00	*****
7.50	19.00	60.00	*****
8.00	11.00	71.00	*****
8.50	8.00	79.00	*****
9.00	6.00	85.00	*****
9.50	3.00	88.00	***
10.00	4.00	92.00	***
10.50	3.50	95.50	***
11.00	2.50	98.00	**
****	2.00	98.00	**
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.35	1.39	.29	-.23
7.36	1.51	.19	1.05

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 11.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.24	5TH	5.40	16TH	5.92	25TH	6.29
			75TH	8.25	84TH	8.92	95TH	10.43
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	71.00	(SEDIGRAPH)		29.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	71.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-SILT		

11/04/81

PHI	PCT. CUM PCT.	
3.50	ASSUMED UPPER LIMIT	*
	1.00	*
4.00	1.00	*
4.50	2.00	**
5.00	4.00	*****
5.50	10.00	*****
6.00	21.00	*****
6.50	30.00	*****
7.00	40.00	*****
7.50	54.00	*****
8.00	65.00	*****
8.50	73.00	*****
9.00	80.00	***
9.50	83.00	****
10.00	87.00	**
10.50	89.50	*
11.00	91.00	*
11.50	92.50	*
12.00	93.50	*****
*****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.35 1.61 .22 -.02

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.36	5TH	5.08	16TH	5.77	25TH	6.22
			75TH	8.64	84TH	9.63	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	64.00	(SEDIGRAPH)	35.00	
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)	64.65	PCT.GRAV+SAND/SILT+CLAY			.01	
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMFCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	.50	.50	*
6.00	5.03	5.53	*****
6.50	6.03	11.56	*****
7.00	14.07	25.63	*****
7.50	13.07	38.69	*****
8.00	12.06	50.75	*****
8.50	8.04	58.79	*****
9.00	8.04	66.83	*****
9.50	4.02	70.85	****
10.00	3.02	73.87	***
10.50	3.02	76.88	***
11.00	5.03	81.91	*****
11.50	1.51	83.42	**
12.00	1.51	84.92	**
****	15.08	84.92	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.95 1.49 .34 -.23

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.97	5TH	5.95	16TH	6.66	25TH	6.98
			75TH	10.19	84TH	11.69	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	50.75	(SEDIGRAPH)		49.25
GRAVEL+SAND	.00	SILT/(SILT+CLAY)		50.75PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	GUMFCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	3.00	3.00	***
5.50	4.00	7.00	****
6.00	6.00	13.00	*****
6.50	10.00	23.00	*****
7.00	12.00	35.00	*****
7.50	14.00	49.00	*****
8.00	10.00	59.00	*****
8.50	7.00	66.00	*****
9.00	8.00	74.00	*
9.50	1.00	75.00	*
10.00	5.00	80.00	*****
10.50	7.00	87.00	*****
11.00	1.50	88.50	*
11.50	1.50	90.00	*
12.00	1.00	91.00	*
****	9.00	91.00	*****
	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.63 1.61 .23 -.41

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.55	5TH	5.25	16TH	6.15	25TH	6.58
			75TH	9.50	84TH	10.29	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	59.00	(SEDIGRAPH)		41.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	59.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT	*	
	1.00		
4.00	0.00	1.00	
4.50	.50	1.00	
5.00	.50	1.50	
5.50	3.00	2.00	***
6.00	3.00	5.00	***
6.50	5.00	8.00	*****
7.00	7.00	13.00	*****
7.50	11.00	20.00	*****
8.00	9.00	31.00	*****
8.50	10.00	40.00	*****
9.00	7.00	50.00	*****
9.50	8.00	57.00	*****
10.00	6.00	65.00	*****
10.50	4.00	71.00	****
11.00	3.50	75.00	***
11.50	3.50	78.50	***
12.00	18.00	82.00	*****
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

8.59 1.65 -.08 -.13 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.00	5TH	6.00	16TH	7.21	25TH	7.73
			75TH	11.00	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	30.00	(SEDIGRAPH)		69.00
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)	30.30PCT.GRAV+SAND/SILT+CLAY					.01
LABELS SHEPARD	-SILTY CLAY		FOLK(GMS)-MUD			(SCS)-CLAY		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			ASSUMED UPPER LIMIT
	1.00		*
4.00	1.00	1.00	*
4.50	2.00	2.00	**
5.00	5.00	4.00	*****
5.50	8.00	9.00	*****
6.00	7.00	17.00	*****
6.50	8.00	24.00	*****
7.00	11.00	32.00	*****
7.50	7.00	43.00	*****
8.00	9.00	50.00	*****
8.50	9.00	59.00	*****
9.00	4.00	68.00	****
9.50	5.00	72.00	*****
10.00	3.00	77.00	***
10.50	2.00	80.00	**
11.00	2.50	82.00	**
11.50	1.00	84.50	*
12.00	14.50	85.50	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.63 1.74 .10 -.47

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.00	5TH	5.10	16TH	5.94	25TH	6.56
			75TH	9.80	84TH	11.40	95TH	*****

PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	49.00	(SEDIGRAPH)	50.00

GRAVEL+SAND 1.00 SILT/(SILT+CLAY) 49.49PCT.GRAV+SAND/SILT+CLAY .01

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	*
5.00	1.00	2.00	***
5.50	3.00	5.00	***
6.00	3.00	8.00	*****
6.50	5.00	13.00	*****
7.00	5.00	18.00	*****
7.50	7.00	25.00	*****
8.00	7.00	32.00	*****
8.50	5.00	37.00	*****
9.00	8.00	45.00	*****
9.50	6.00	51.00	*****
10.00	8.00	59.00	*****
10.50	7.00	66.00	*****
11.00	5.00	71.00	*****
11.50	5.00	76.00	*****
12.00	4.50	80.50	*****
*****	19.50	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.59 1.90 -.09 -.85

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.42	5TH	5.50	16TH	6.80	25TH	7.50
			75TH	11.40	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	32.00	(SEDIGRAPH)	68.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	32.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)-MUD			(SCS)-CLAY		

B-8-9

021081 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMFCT.	
3.50			
4.00	0.00	0.00	
4.50	3.00	3.00	***
5.00	2.00	5.00	**
5.50	4.00	9.00	****
6.00	4.00	13.00	****
6.50	5.00	18.00	*****
7.00	4.00	22.00	****
7.50	9.00	31.00	*****
8.00	9.00	40.00	*****
8.50	7.00	47.00	*****
9.00	10.00	57.00	*****
9.50	6.00	63.00	*****
10.00	7.00	70.00	*****
10.50	6.00	76.00	*****
11.00	3.50	79.50	***
11.50	3.50	83.00	***
12.00	3.00	86.00	***
****	14.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.17 1.90 -.06 -.67

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.65	5TH	5.00	16TH	6.39	25TH	7.17
			75TH	10.42	84TH	11.67	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	40.00	(SEDIGRAPH)		60.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	40.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	4.04		****
4.00	5.05	4.04	*****
4.50	7.07	9.09	*****
5.00	6.06	16.16	*****
5.50	7.07	22.22	*****
6.00	6.06	29.29	*****
6.50	6.06	35.35	*****
7.00	9.60	41.41	*****
7.50	6.57	51.01	*****
8.00	7.07	57.58	*****
8.50	7.07	64.65	*****
9.00	4.55	71.72	*****
9.50	4.55	76.26	*****
10.00	4.04	80.81	****
10.50	1.52	84.85	**
11.00	2.02	86.36	**
11.50	1.52	88.38	**
12.00	10.10	89.90	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.19 2.04 .09 -.81

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.45	5TH	4.10	16TH	4.99	25TH	5.70
			75TH	9.36	84TH	10.40	95TH	*****

PCT. GRAVEL	.00	SAND	4.04	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	53.54	(SEDIGRAPH)	42.42

GRAVEL+SAND 4.04 SILT/(SILT+CLAY) 55.79PCT.GRAV+SAND/SILT+CLAY .04

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		*
	1.50		
4.00		1.50	
	.50		
4.50		2.00	**
	2.00		
5.00		4.00	****
	4.00		
5.50		8.00	*****
	5.00		
6.00		13.00	*****
	5.00		
6.50		18.00	*****
	8.00		
7.00		26.00	*****
	9.00		
7.50		35.00	*****
	7.00		
8.00		42.00	*****
	8.00		
8.50		50.00	*****
	9.00		
9.00		59.00	*****
	6.00		
9.50		65.00	*****
	8.00		
10.00		73.00	****
	4.00		
10.50		77.00	****
	4.00		
11.00		81.00	***
	3.50		
11.50		84.50	**
	2.50		
12.00		87.00	*****
	13.00		
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.08 1.87 -.02 -.63

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.50	5TH	5.13	16TH	6.30	25TH	6.94
			75TH	10.25	84TH	11.43	95TH	*****

PCT. GRAVEL	.00	SAND	1.50	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	40.50	(SEDIGRAPH)	58.00

GRAVEL+SAND 1.50 SILT/(SILT+CLAY) 41.12PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	1.00	1.00	*
6.00	4.00	5.00	****
6.50	3.00	8.00	***
7.00	5.00	13.00	*****
7.50	7.00	20.00	*****
8.00	7.00	27.00	*****
8.50	9.00	34.00	*****
9.00	7.00	43.00	*****
9.50	9.00	50.00	*****
10.00	7.00	59.00	*****
10.50	5.00	66.00	*****
11.00	5.50	71.00	*****
11.50	4.50	76.50	****
12.00	19.00	81.00	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.83 1.69 -.05 -.87

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.50	5TH	6.00	16TH	7.21	25TH	7.86
			75TH	11.36	84TH*****		95TH*****	

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	27.00	(SEDIGRAPH)	73.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 27.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-CLAY

8-12-13

021081 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	.50	.50	**
5.00	2.01	2.51	**
5.50	2.01	4.52	*****
6.00	5.03	9.55	***
6.50	3.02	12.56	*****
7.00	5.03	17.59	*****
7.50	8.04	25.63	*****
8.00	8.04	33.67	*****
8.50	7.04	40.70	*****
9.00	9.05	49.75	*****
9.50	7.04	56.78	*****
10.00	9.05	65.83	*****
10.50	6.03	71.86	*****
11.00	5.03	76.88	****
11.50	4.02	80.90	***
12.00	3.02	83.92	*****
*****	16.08	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.48 1.79 -.09 -.70

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.02	5TH	5.55	16TH	6.84	25TH	7.46
			75TH	10.81	84TH	71.94	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	33.67	(SEDIGRAPH)		66.33
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	33.67	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	0.00	0.00	
6.00	2.51	2.51	***
6.50	3.02	5.53	***
7.00	6.03	11.56	*****
7.50	7.04	18.59	*****
8.00	7.04	25.63	*****
8.50	10.05	32.66	*****
9.00	8.04	42.71	*****
9.50	9.05	50.75	*****
10.00	6.53	59.80	*****
10.50	5.53	66.33	*****
11.00	4.52	71.86	*****
11.50	3.52	76.38	****
12.00	20.10	79.90	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.84 1.57 -.01 -.85

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.45	5TH	6.41	16TH	7.32	25TH	7.96
			75TH	11.35	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	25.63	(SEDIGRAPH)		74.37
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	25.63	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)-MUD			(SCS)-CLAY		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	.50	1.00	
5.50	2.00	3.00	**
6.00	2.00	5.00	**
6.50	4.00	9.00	****
7.00	5.00	14.00	*****
7.50	7.00	21.00	*****
8.00	7.00	28.00	*****
8.50	7.00	35.00	*****
9.00	9.00	44.00	*****
9.50	8.00	52.00	*****
10.00	10.00	62.00	*****
10.50	8.00	70.00	*****
11.00	7.00	77.00	*****
11.50	9.00	86.00	*****
12.00	6.00	92.00	*****
****	8.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.99 1.78 -.16 -.71

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.38	5TH	6.00	16TH	7.14	25TH	7.79
			75TH	10.86	84TH	11.39	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	28.00	(SEDIGRAPH)		72.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	28.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-CLAY		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	1.00	2.00	*
6.00	3.00	5.00	***
6.50	5.00	10.00	*****
7.00	5.00	15.00	*****
7.50	14.00	29.00	*****
8.00	11.00	40.00	*****
8.50	8.00	48.00	*****
9.00	11.00	59.00	*****
9.50	6.00	65.00	*****
10.00	5.00	70.00	*****
10.50	6.00	76.00	*****
11.00	6.00	82.00	*****
11.50	0.00	82.00	
12.00	3.00	85.00	***
****	15.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.31 1.56 .10 -.48

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN 8.59	5TH 6.00	16TH 7.04	25TH 7.36
		75TH 10.42	84TH 11.83	95TH*****

PCT. GRAVEL	.00	SAND 0.00	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 40.00	(SEDIGRAPH) 60.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 40.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	2.53	2.53	***
5.00	1.90	4.43	**
5.50	4.43	8.86	****
6.00	7.59	16.46	*****
6.50	10.13	26.58	*****
7.00	13.92	40.51	*****
7.50	15.19	55.70	*****
8.00	3.80	59.49	****
8.50	3.80	63.29	****
9.00	12.03	75.32	*****
9.50	5.70	81.01	*****
10.00	2.53	83.54	***
10.50	2.53	86.08	***
11.00	1.27	87.34	*
11.50	3.80	91.14	****
12.00	.63	91.77	*
****	8.23	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.49 1.68 .22 -.28

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.31	5TH	5.06	16TH	5.97	25TH	6.42
			75TH	8.99	84TH	10.09	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	59.49	(SEDIGRAPH)		40.51
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	59.49	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	1.50	2.00	*
5.50	2.00	4.00	**
6.00	3.00	7.00	***
6.50	5.00	12.00	*****
7.00	6.00	18.00	*****
7.50	7.00	25.00	*****
8.00	7.00	32.00	*****
8.50	8.00	40.00	*****
9.00	10.00	50.00	*****
9.50	8.00	58.00	*****
10.00	7.00	65.00	*****
10.50	6.50	71.50	*****
11.00	5.50	77.00	*****
11.50	5.00	82.00	*****
12.00	4.00	86.00	*****
****	14.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.59 1.79 -.07 -.72

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.00	5TH	5.67	16TH	6.83	25TH	7.50
			75TH	10.82	84TH	11.75	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	32.00	(SEDIGRAPH)	68.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	32.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)-MUD			(SCS)-CLAY		

11/04/81

PHI	PCT.	CUM.PCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	0.00	.50	
5.50	2.50	3.00	**
6.00	2.00	5.00	**
6.50	6.00	11.00	*****
7.00	6.00	17.00	*****
7.50	10.00	27.00	*****
8.00	10.00	37.00	*****
8.50	9.00	46.00	*****
9.00	10.00	56.00	*****
9.50	7.00	63.00	*****
10.00	6.00	69.00	*****
10.50	5.00	74.00	*****
11.00	4.00	78.00	****
11.50	3.00	81.00	***
12.00	1.50	82.50	*
12.50	17.50	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.31 1.58 .05 -.52

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.70	5TH	6.00	16TH	6.92	25TH	7.40
			75TH	10.63	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	37.00	(SEDIGRAPH)		63.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	37.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT. CUMPCT.	
3.50	ASSUMED UPPER LIMIT	
	7.00	*****
4.00	6.00 7.00	*****
4.50	9.00 13.00	*****
5.00	6.00 22.00	*****
5.50	5.50 28.00	*****
6.00	5.50 33.50	*****
6.50	6.00 39.00	*****
7.00	6.00 45.00	*****
7.50	7.00 51.00	*****
8.00	7.00 58.00	*****
8.50	6.00 65.00	*****
9.00	6.00 71.00	*****
9.50	4.00 77.00	****
10.00	3.00 81.00	***
10.50	2.00 84.00	**
11.00	2.00 86.00	**
11.50	2.00 88.00	**
12.00	10.00 90.00	*****
*****	100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN 7.42	5TH*****	16TH 4.67	25TH 5.25
		75TH 9.33	84TH 10.50	95TH*****
PCT. GRAVEL	.00	SAND 7.00	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 51.00	(SEDIGRAPH) 42.00
GRAVEL+SAND	7.00	SILT/(SILT+CLAY)	54.84PCT.GRAV+SAND/SILT+CLAY	.08
LABELS SHEPARD	-CLAYEY SILT	FOLK(GMS)-MUD		(SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	1.00	2.00	*
6.00	2.50	4.50	**
6.50	2.50	7.00	**
7.00	6.00	13.00	*****
7.50	7.00	20.00	*****
8.00	8.00	28.00	*****
8.50	9.00	37.00	*****
9.00	11.00	48.00	*****
9.50	10.00	58.00	*****
10.00	10.00	68.00	*****
10.50	6.00	74.00	*****
11.00	0.00	74.00	
11.50	1.00	75.00	*
12.00	1.00	76.00	*
****	24.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.40 1.40 -.15 -.19

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.10	5TH	6.10	16TH	7.21	25TH	7.81
			75TH	11.50	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	28.00	(SEDIGRAPH)		72.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	28.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-CLAY		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	3.00	3.00	***
5.50	10.00	13.00	*****
6.00	17.00	30.00	*****
6.50	11.00	41.00	*****
7.00	9.00	50.00	*****
7.50	13.00	63.00	*****
8.00	8.00	71.00	*****
8.50	6.50	77.50	*****
9.00	4.50	82.00	****
9.50	2.00	84.00	**
10.00	4.00	88.00	****
10.50	2.00	90.00	**
11.00	1.00	91.00	*
11.50	2.00	93.00	**
12.00	1.00	94.00	*
****	6.00	94.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.09 1.60 .44 .23

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.00	5TH	5.10	16TH	5.59	25TH	5.85
			75TH	8.31	84TH	9.50	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	71.00	(SEDIGRAPH)	29.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	71.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-SILT		

11/04/81

PHI	PCT.	CUM.PCT.	
3.50			
4.00	0.00	0.00	
4.50	3.00	3.00	***
5.00	6.00	9.00	*****
5.50	11.00	20.00	*****
6.00	15.00	35.00	*****
6.50	8.00	43.00	*****
7.00	8.00	51.00	*****
7.50	11.00	62.00	*****
8.00	8.00	70.00	*****
8.50	5.00	75.00	*****
9.00	6.00	81.00	*****
9.50	3.00	84.00	***
10.00	4.00	88.00	****
10.50	2.00	90.00	**
11.00	2.00	92.00	**
11.50	1.00	93.00	*
12.00	1.50	94.50	*
*****	5.50	94.50	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.01 1.76 .33 -.21

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	6.94	5TH	4.67	16TH	5.32	25TH	5.67
			75TH	8.50	84TH	9.50	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	70.00	(SEDIGRAPH)	30.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	70.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)	-MUD			(SCS)	-SILT	

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	3.00		***
4.00	1.00	3.00	*
4.50	5.00	4.00	*****
5.00	8.00	9.00	*****
5.50	11.00	17.00	*****
6.00	7.00	28.00	*****
6.50	9.00	35.00	*****
7.00	12.00	44.00	*****
7.50	9.00	56.00	*****
8.00	7.50	65.00	*****
8.50	7.50	72.50	*****
9.00	3.50	80.00	***
9.50	4.50	83.50	****
10.00	2.00	88.00	**
10.50	2.00	90.00	**
11.00	1.00	92.00	*
11.50	2.00	93.00	**
12.00	5.00	95.00	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.22	1.81	.18	-.29
7.41	2.15	.20	1.08

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.25	5TH	4.60	16TH	5.44	25TH	5.86
			75TH	8.67	84TH	9.56	95TH	12.00
PCT. GRAVEL	.00	SAND	3.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	62.00	(SEDIGRAPH)	35.00	
GRAVEL+SAND	3.00	SILT/(SILT+CLAY)	63.92PCT.GRAV+SAND/SILT+CLAY					.03
LABELS SHEPARD	-CLAYEY SILT FOLK(GMS)-MUD						(SCS)-MUD	

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.01	1.01	***
5.00	3.03	4.04	*****
5.50	9.09	13.13	*****
6.00	11.11	24.24	*****
6.50	11.11	35.35	*****
7.00	16.16	51.52	*****
7.50	16.16	67.68	*****
8.00	8.08	75.76	*****
8.50	5.05	80.81	*****
9.00	4.04	84.85	****
9.50	2.02	86.87	**
10.00	3.03	89.90	***
10.50	.51	90.40	*
11.00	0.00	90.40	*
11.50	.51	90.91	*
12.00	1.01	91.92	*****
****	8.08	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

6.93 1.36 .41 1.13

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	6.95	5TH	5.05	16TH	5.63	25TH	6.03
			75TH	7.95	84TH	8.90	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	75.76	(SEDIGRAPH)	24.24	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	75.76	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILT	FOLK(GMS)-MUD		(SCS)-SILT				

11/04/81

PHI	PCT. CUMPCT.	
3.50		
4.00	0.00	
4.50	2.38	**
5.00	3.57	****
5.50	8.33	*****
6.00	10.71	*****
6.50	8.33	*****
7.00	9.52	*****
7.50	11.90	*****
8.00	9.52	*****
8.50	7.14	*****
9.00	5.95	*****
9.50	3.57	****
10.00	5.95	*****
10.50	3.57	****
11.00	2.38	**
11.50	3.57	****
12.00	2.98	***
****	.60	*
	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.53	1.90	.23	-.57
7.55	2.02	.21	.94

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.30	5TH	4.87	16TH	5.58	25TH	6.00
			75TH	8.80	84TH	9.75	95TH	11.30
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	64.29	(SEDIGRAPH)	35.71	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	64.29	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	2.00	2.00	**
5.50	5.00	7.00	*****
6.00	9.00	16.00	*****
6.50	7.00	23.00	*****
7.00	10.00	33.00	*****
7.50	12.00	45.00	*****
8.00	11.00	56.00	*****
8.50	8.00	64.00	*****
9.00	8.00	72.00	*****
9.50	5.00	77.00	*****
10.00	5.00	82.00	*****
10.50	3.00	85.00	***
11.00	2.00	87.00	**
11.50	3.00	90.00	***
12.00	2.00	92.00	**
****	8.00	92.00	*****
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.73 1.68 .22 -.41

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.73	5TH	5.30	16TH	6.00	25TH	6.60
			75TH	9.30	84TH	10.33	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	56.00	(SEDIGRAPH)		44.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	56.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMFCT.	
3.50	ASSUMED	UPPER LIMIT	*
	1.00		
4.00	0.00	1.00	
4.50	2.00	1.00	**
5.00	5.00	3.00	*****
5.50	10.00	8.00	*****
6.00	8.00	18.00	*****
6.50	10.00	26.00	*****
7.00	13.00	36.00	*****
7.50	9.50	49.00	*****
8.00	7.50	58.50	*****
8.50	7.00	66.00	*****
9.00	4.00	73.00	****
9.50	5.00	77.00	*****
10.00	3.00	82.00	***
10.50	1.50	85.00	*
11.00	1.50	86.50	*
11.50	2.00	88.00	**
12.00	10.00	90.00	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.54 1.68 .22 -.19

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.55	5TH	5.20	16TH	5.90	25TH	6.44
			75TH	9.25	84TH	10.33	95TH	*****

PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	57.50	(SEDIGRAPH)	41.50

GRAVEL+SAND 1.00 SILT/(SILT+CLAY) 58.08PCT.GRAV+SAND/SILT+CLAY .01

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

C-7-8

021081 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	**
5.00	2.00	3.00	*****
5.50	5.00	8.00	*****
6.00	9.00	17.00	*****
6.50	9.00	26.00	*****
7.00	11.00	37.00	*****
7.50	13.00	50.00	*****
8.00	11.00	61.00	*****
8.50	7.00	68.00	*****
9.00	8.00	76.00	*****
9.50	5.00	81.00	*****
10.00	4.00	85.00	****
10.50	3.00	88.00	***
11.00	2.00	90.00	**
11.50	2.00	92.00	**
12.00	1.00	93.00	*
*****	7.00	93.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.54 1.61 .22 -.27

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.50	5TH	5.20	16TH	5.94	25TH	6.44
			75TH	8.94	84TH	9.88	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	61.00	(SEDIGRAPH)	39.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 61.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	*
4.00	1.00	1.00	**
4.50	2.00	3.00	*****
5.00	7.00	10.00	*
5.50	1.00	11.00	*****
6.00	11.00	22.00	*****
6.50	9.00	31.00	*****
7.00	12.00	43.00	*****
7.50	16.00	59.00	*****
8.00	9.00	68.00	*****
8.50	8.00	76.00	*****
9.00	6.00	82.00	***
9.50	3.00	85.00	***
10.00	3.00	88.00	**
10.50	2.00	90.00	*
11.00	1.00	91.00	*
11.50	1.00	92.00	*
12.00	1.00	93.00	*****
*****	7.00	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.17 1.59 .20 .17

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.22	5TH	4.64	16TH	5.73	25TH	6.17
			75TH	8.44	84TH	9.33	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	67.00	(SEDIGRAPH)		32.00
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)		67.68PCT.GRAV+SAND/SILT+CLAY				.01
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.01	1.01	***
5.00	3.03	4.04	***
5.50	3.03	7.07	*****
6.00	8.08	15.15	*****
6.50	12.12	27.27	*****
7.00	12.12	39.39	*****
7.50	14.14	53.54	*****
8.00	14.14	67.68	*****
8.50	11.11	78.79	*****
9.00	6.06	84.85	****
9.50	4.04	88.89	**
10.00	2.02	90.91	**
10.50	2.02	92.93	**
11.00	2.02	94.95	*
11.50	1.01	95.96	*
12.00	.51	96.46	****
*****	3.54	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.38	1.43	.23	.27
7.45	1.61	.16	1.25

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.38	5TH	5.16	16TH	6.04	25TH	6.41
			75TH	8.33	84TH	8.93	95TH	11.03

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	67.68	(SEDIGRAPH)	32.32

GRAVEL+SAND .00 SILT/(SILT+CLAY) 67.68PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	3.00	3.00	***
5.50	5.00	8.00	*****
6.00	11.50	19.50	*****
6.50	10.50	30.00	*****
7.00	13.00	43.00	*****
7.50	15.00	58.00	*****
8.00	11.50	69.50	*****
8.50	7.50	77.00	*****
9.00	7.00	84.00	*****
9.50	3.00	87.00	***
10.00	3.00	90.00	***
10.50	2.50	92.50	**
11.00	1.50	94.00	*
11.50	1.50	95.50	*
12.00	1.00	96.50	*
****	3.50	100.00	***

MEAN ST.DEV. SKEWNESS KURTOSIS

7.34	1.51	.34	.21
7.36	1.72	.23	1.19

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.23	5TH	5.20	16TH	5.85	25TH	6.26
			75TH	8.37	84TH	9.00	95TH	11.33
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	69.50	(SEDIGRAPH)	30.50	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	69.50 PCT.GRAV+SAND/SILT+CLAY		.00			
LABELS SHEPARD	-CLAYEY SILT FOLK(GMS)-MUD				(SCS)-SILT			

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.03	1.03	***
5.00	3.09	4.12	*****
5.50	6.19	10.31	*****
6.00	12.37	22.68	*****
6.50	11.34	34.02	*****
7.00	11.34	45.36	*****
7.50	16.49	61.86	*****
8.00	8.25	70.10	*****
8.50	8.25	78.35	*****
9.00	5.15	83.51	*****
9.50	3.09	86.60	***
10.00	3.09	89.69	***
10.50	2.06	91.75	**
11.00	1.03	92.78	*
11.50	2.06	94.85	**
12.00	1.03	95.88	*
****	4.12	95.88	****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.23	1.56	.36	.29
7.32	1.82	.26	1.21

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.14	5TH	5.07	16TH	5.73	25TH	6.10
			75TH	8.30	84TH	9.08	95TH	11.58
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	70.10	(SEDIGRAPH)		29.90
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	70.10	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	1.00	2.00	*
5.50	3.00	5.00	***
6.00	8.00	13.00	*****
6.50	8.00	21.00	*****
7.00	10.00	31.00	*****
7.50	15.00	46.00	*****
8.00	11.00	57.00	*****
8.50	11.00	68.00	*****
9.00	9.00	77.00	*****
9.50	5.00	82.00	*****
10.00	5.00	87.00	*****
10.50	3.00	90.00	***
11.00	2.00	92.00	**
11.50	2.00	94.00	**
12.00	1.00	95.00	*
*****	5.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.72	1.54	.17	-.17
7.86	1.86	.24	1.22

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.68	5TH	5.50	16TH	6.19	25TH	6.70
			75TH	8.89	84TH	9.70	95TH	12.00
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	57.00	(SEDIGRAPH)		43.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	57.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUM.PCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	3.50	4.50	***
6.00	5.50	10.00	*****
6.50	7.00	17.00	*****
7.00	8.00	25.00	*****
7.50	13.00	38.00	*****
8.00	11.00	49.00	*****
8.50	10.00	59.00	*****
9.00	9.00	68.00	*****
9.50	5.00	73.00	*****
10.00	4.00	77.00	****
10.50	4.00	81.00	****
11.00	2.00	83.00	**
11.50	3.00	86.00	***
12.00	1.00	87.00	*
****	13.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.89 1.56 .18 -.34

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.05	5TH	5.55	16TH	6.43	25TH	7.00
			75TH	9.75	84TH	11.17	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	49.00	(SEDIGRAPH)	51.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 49.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	1.00		*
4.00	0.00	1.00	
4.50	3.00	1.00	***
5.00	4.00	4.00	****
5.50	9.00	8.00	*****
6.00	8.00	17.00	*****
6.50	11.00	25.00	*****
7.00	13.00	36.00	*****
7.50	12.00	49.00	*****
8.00	8.00	61.00	*****
8.50	9.00	69.00	*****
9.00	4.00	78.00	****
9.50	4.00	82.00	****
10.00	3.00	86.00	***
10.50	2.00	89.00	**
11.00	1.00	91.00	*
11.50	2.00	92.00	**
12.00	6.00	94.00	*****
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.55 1.63 .19 -.06

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.54	5TH	5.13	16TH	5.94	25TH	6.50
			75TH	8.83	84TH	9.75	95TH	*****

PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	60.00	(SEDIGRAPH)	39.00

GRAVEL+SAND 1.00 SILT/(SILT+CLAY) 60.61PCT.GRAV+SAND/SILT+CLAY .01

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.50	1.50	*
5.00	4.50	6.00	****
5.50	6.00	12.00	*****
6.00	11.00	23.00	*****
6.50	9.00	32.00	*****
7.00	12.00	44.00	*****
7.50	15.00	59.00	*****
8.00	10.00	69.00	*****
8.50	7.00	76.00	*****
9.00	5.00	81.00	****
9.50	2.00	83.00	**
10.00	3.00	86.00	***
10.50	2.50	88.50	**
11.00	1.50	90.00	*
11.50	1.50	91.50	*
12.00	.50	92.00	
****	8.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.17 1.56 .30 .14

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.20	5TH	4.89	16TH	5.68	25TH	6.11
			75TH	8.43	84TH	9.67	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	69.00	(SEDIGRAPH)	31.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 69.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK (GMS)-MUD (SCS)-SILT

11/04/81

PHI	PCT.	CUMFCT.	
3.50			ASSUMED UPPER LIMIT
	1.00		*
4.00		1.00	****
4.50	4.00	5.00	*****
5.00	7.00	12.00	*****
5.50	8.00	20.00	*****
6.00	10.00	30.00	*****
6.50	7.00	37.00	*****
7.00	9.00	46.00	*****
7.50	11.00	57.00	*****
8.00	8.00	65.00	*****
8.50	6.00	71.00	*****
9.00	6.00	77.00	***
9.50	3.00	80.00	**
10.00	2.00	82.00	**
10.50	3.00	85.00	***
11.00	1.00	86.00	*
11.50	1.00	87.00	*
12.00	1.00	88.00	*
****	12.00	88.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

6.97 1.75 .24 -.26

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.18	5TH	4.50	16TH	5.25	25TH	5.75
			75TH	8.83	84TH	10.33	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	64.00	(SEDIGRAPH)		35.00
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)		64.65PCT.GRAV+SAND/SILT+CLAY				.01
LABELS SHEPARD		-CLAYEY SILT		FOLK(GMS)-MUD				(SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	**
	2.00		**
4.00	2.00	2.00	**
4.50	1.00	4.00	*
5.00	4.00	5.00	****
5.50	6.00	9.00	*****
6.00	8.00	15.00	*****
6.50	10.00	23.00	*****
7.00	13.00	33.00	*****
7.50	11.00	46.00	*****
8.00	7.00	57.00	*****
8.50	8.00	64.00	*****
9.00	4.00	72.00	****
9.50	5.00	76.00	*****
10.00	2.00	81.00	**
10.50	2.00	83.00	**
11.00	1.00	85.00	*
11.50	.50	86.00	
12.00	13.50	86.50	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.47 1.62 .04 -.10

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.58	5TH	5.00	16TH	6.06	25TH	6.60
			75TH	9.38	84TH	10.75	95TH	*****

PCT. GRAVEL	.00	SAND	2.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	55.00	(SEDIGRAPH)	43.00

GRAVEL+SAND 2.00 SILT/(SILT+CLAY) 56.12PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		*
	1.00		
4.00	1.00	1.00	*
4.50	1.00	2.00	*
5.00	4.00	3.00	****
5.50	6.00	7.00	*****
6.00	10.00	13.00	*****
6.50	10.00	23.00	*****
7.00	12.00	33.00	*****
7.50	10.00	45.00	*****
8.00	9.00	55.00	*****
8.50	9.00	64.00	*****
9.00	6.00	73.00	*****
9.50	4.00	79.00	****
10.00	5.00	83.00	****
10.50	2.00	88.00	**
11.00	6.00	90.00	*****
11.50	3.50	96.00	***
12.00	.50	99.50	
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.96	1.84	.14	-.52
8.00	1.92	.19	.98

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.75	5TH	5.25	16TH	6.15	25TH	6.60
			75TH	9.17	84TH	10.10	95TH	11.42
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	54.00	(SEDIGRAPH)	45.00	
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)	54.55	PCT.GRAV+SAND/SILT+CLAY			.01	
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMFCT.	
3.50	ASSUMED UPPER LIMIT		*
	1.00		
4.00	0.00	1.00	
4.50	2.00	1.00	**
5.00	5.00	3.00	*****
5.50	8.00	8.00	*****
6.00	9.00	16.00	*****
6.50	11.00	25.00	*****
7.00	12.00	36.00	*****
7.50	11.00	48.00	*****
8.00	9.00	59.00	*****
8.50	7.00	68.00	*****
9.00	5.00	75.00	*****
9.50	4.00	80.00	****
10.00	3.50	84.00	***
10.50	2.50	87.50	**
11.00	2.50	90.00	**
11.50	1.50	92.50	*
12.00	6.00	94.00	*****
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.63 1.68 .19 -.27

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.59	5TH	5.20	16TH	6.00	25TH	6.50
			75TH	9.00	84TH	10.00	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	58.00	(SEDIGRAPH)		41.00
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)		58.59PCT.GRAV+SAND/SILT+CLAY				.01
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	***
5.00	3.00	4.00	*****
5.50	6.00	10.00	*****
6.00	9.00	19.00	*****
6.50	9.00	28.00	*****
7.00	12.00	40.00	*****
7.50	15.00	55.00	*****
8.00	9.00	64.00	*****
8.50	6.00	70.00	*****
9.00	6.00	76.00	****
9.50	4.00	80.00	***
10.00	3.00	83.00	
10.50	.50	83.50	
11.00	1.50	85.00	*
11.50	1.00	86.00	*
12.00	1.00	87.00	*
****	13.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.24 1.51 .30 .29

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED; OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.33	5TH	5.08	16TH	5.83	25TH	6.33
			75TH	8.92	84TH	10.67	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	64.00	(SEDIGRAPH)	36.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	64.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	5.00	6.00	*****
5.50	9.00	15.00	*****
6.00	10.00	25.00	*****
6.50	9.00	34.00	*****
7.00	11.00	45.00	*****
7.50	9.00	54.00	*****
8.00	9.00	63.00	*****
8.50	6.00	69.00	*****
9.00	7.00	76.00	*****
9.50	4.00	80.00	****
10.00	3.00	83.00	***
10.50	3.00	86.00	***
11.00	1.50	87.50	*
11.50	1.00	88.50	*
12.00	1.50	90.00	*
*****	10.00	90.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.23 1.70 .28 -.28

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.28	5TH	4.90	16TH	5.55	25TH	6.00
			75TH	8.93	84TH	10.17	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	63.00	(SEDIGRAPH)		37.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	63.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	4.00	4.00	****
6.00	15.00	19.00	*****
6.50	11.00	30.00	*****
7.00	11.00	41.00	*****
7.50	12.00	53.00	*****
8.00	10.00	63.00	*****
8.50	8.00	71.00	*****
9.00	7.00	78.00	*****
9.50	4.00	82.00	****
10.00	4.00	86.00	****
10.50	2.00	88.00	**
11.00	2.50	90.50	**
11.50	1.50	92.00	*
12.00	1.00	93.00	*
****	7.00	93.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.46 1.54 .36 -.13

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.38	5TH	5.53	16TH	5.90	25TH	6.27
			75TH	8.79	84TH	9.75	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	63.00	(SEDIGRAPH)	37.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 63.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK (GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	
	4.00		****
4.00	2.00	4.00	**
4.50	5.00	6.00	*****
5.00	6.00	11.00	*****
5.50	9.00	17.00	*****
6.00	6.00	26.00	*****
6.50	6.00	32.00	*****
7.00	9.00	38.00	*****
7.50	8.00	47.00	*****
8.00	6.00	55.00	*****
8.50	6.00	61.00	*****
9.00	5.00	67.00	*****
9.50	5.00	72.00	*****
10.00	5.00	77.00	*****
10.50	2.00	82.00	**
11.00	2.00	84.00	**
11.50	2.00	86.00	**
12.00	2.00	88.00	**
****	12.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.40 2.03 .08 -.77

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.69	5TH	4.25	16TH	5.42	25TH	5.94
			75TH	9.80	84TH	11.00	95TH	*****

PCT. GRAVEL	.00	SAND	4.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	51.00	(SEDIGRAPH)	45.00

GRAVEL+SAND 4.00 SILT/(SILT+CLAY) 53.13PCT.GRAV+SAND/SILT+CLAY .04

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT. CUMPCT.	
3.50	ASSUMED UPPER LIMIT	**
	2.02	**
4.00	3.03 2.02	***
4.50	9.09 5.05	*****
5.00	8.08 14.14	*****
5.50	11.11 22.22	*****
6.00	9.09 33.33	*****
6.50	10.10 42.42	*****
7.00	12.12 52.53	*****
7.50	7.07 64.65	*****
8.00	4.04 71.72	****
8.50	4.04 75.76	****
9.00	3.03 79.80	***
9.50	3.03 82.83	***
10.00	2.02 85.86	**
10.50	1.52 87.88	**
11.00	.51 89.39	*
11.50	1.01 89.90	*
12.00	9.09 90.91	*****
****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

6.80 1.73 .30 -.02

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN 6.88	5TH 4.49	16TH 5.12	25TH 5.63
		75TH 8.41	84TH 9.69	95TH*****

PCT. GRAVEL	.00	SAND 2.02	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 69.70	(SEDIGRAPH) 28.28

GRAVEL+SAND 2.02 SILT/(SILT+CLAY) 71.13PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

11/04/81

PHI	PCT. CUMPCT.	
3.50	ASSUMED UPPER LIMIT	
	6.32	*****
4.00	4.21 6.32	****
4.50	10.53	*****
5.00	10.53 21.05	*****
5.50	9.47 31.58	*****
6.00	8.42 41.05	*****
6.50	8.42 49.47	*****
7.00	9.47 57.89	*****
7.50	8.42 67.37	*****
8.00	4.21 75.79	****
8.50	5.26 80.00	*****
9.00	2.11 85.26	**
9.50	3.68 87.37	****
10.00	1.58 91.05	**
10.50	2.11 92.63	**
11.00	1.58 94.74	**
11.50	1.58 96.32	**
12.00	2.11 97.89	**
*****	100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN 6.53	5TH*****	16TH 4.76	25TH 5.19
		75TH 7.95	84TH 8.88	95TH 11.08
PCT. GRAVEL	.00	SAND 6.32	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 69.47	(SEDIGRAPH) 24.21
GRAVEL+SAND	6.32	SILT/(SILT+CLAY)	74.16	PCT.GRAV+SAND/SILT+CLAY .07
LABELS SHEPARD	-CLAYEY SILT	FOLK(GMS)-MUD		(SCS)-SILT

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	2.06		**
4.00	2.06	2.06	**
4.50	7.73	4.12	*****
5.00	10.82	11.86	*****
5.50	11.34	22.68	*****
6.00	9.28	34.02	*****
6.50	8.25	43.30	*****
7.00	8.25	51.55	*****
7.50	7.22	59.79	*****
8.00	7.22	67.01	*****
8.50	5.15	74.23	*****
9.00	4.12	79.38	****
9.50	3.09	83.51	***
10.00	2.58	86.60	***
10.50	1.55	89.18	**
11.00	2.06	90.72	**
11.50	3.09	92.78	***
12.00	4.12	95.88	****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.09	1.95	.30	-.33
7.23	2.20	.29	1.01

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	6.91	5TH	4.56	16TH	5.19	25TH	5.60	
			75TH	8.58	84TH	9.58	95TH	11.86	
PCT. GRAVEL	.00	SAND	2.06	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00		
				(SEDIGRAPH)	64.95	(SEDIGRAPH)	32.99		
GRAVEL+SAND	2.06	SILT/(SILT+CLAY)	66.32 PCT. GRAV+SAND/SILT+CLAY						.02
LABELS SHEPARD	-CLAYEY SILT FOLK (GMS)-MUD						(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			ASSUMED UPPER LIMIT
	2.00		**
4.00	1.00	2.00	*
4.50	7.00	3.00	*****
5.00	12.00	10.00	*****
5.50	12.00	22.00	*****
6.00	11.00	34.00	*****
6.50	10.00	45.00	*****
7.00	10.00	55.00	*****
7.50	9.00	65.00	*****
8.00	7.00	74.00	*****
8.50	4.00	81.00	****
9.00	4.00	85.00	****
9.50	3.00	89.00	***
10.00	2.00	92.00	**
10.50	2.50	94.00	**
11.00	2.00	96.50	**
11.50	1.00	98.50	*
12.00	.50	99.50	
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.00	1.77	.31	-.14
6.96	1.82	.24	1.01

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	6.75	5TH	4.64	16TH	5.25	25TH	5.63
			75TH	8.07	84TH	8.88	95TH	10.70
PCT. GRAVEL	.00	SAND	2.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	72.00	(SEDIGRAPH)		26.00
GRAVEL+SAND	2.00	SILT/(SILT+CLAY)	73.47	PCT.GRAV+SAND/SILT+CLAY				.02
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	***
5.00	3.00	4.00	*****
5.50	9.00	13.00	*****
6.00	9.00	22.00	*****
6.50	12.00	34.00	*****
7.00	7.00	41.00	*****
7.50	12.00	53.00	*****
8.00	9.00	62.00	*****
8.50	7.00	69.00	*****
9.00	5.00	74.00	*****
9.50	5.00	79.00	*****
10.00	3.00	82.00	***
10.50	3.00	85.00	***
11.00	1.50	86.50	*
11.50	1.50	88.00	*
12.00	1.50	89.50	*
*****	10.50	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.32 1.69 .29 -.24

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.38	5TH	5.06	16TH	5.67	25TH	6.13
			75TH	9.10	84TH	10.33	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	62.00	(SEDIGRAPH)		38.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	62.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	****
5.00	4.00	5.00	*****
5.50	8.00	13.00	*****
6.00	11.00	22.00	*****
6.50	8.00	33.00	*****
7.00	11.00	41.00	*****
7.50	8.00	52.00	*****
8.00	7.00	60.00	*****
8.50	6.00	67.00	*****
9.00	5.00	73.00	*****
9.50	3.00	78.00	***
10.00	3.00	81.00	***
10.50	2.00	84.00	**
11.00	2.00	86.00	**
11.50	3.50	88.00	***
12.00	8.50	91.50	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.47 1.84 .29 -.37

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.41	5TH	5.00	16TH	5.67	25TH	6.14
			75TH	9.20	84TH	10.50	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	60.00	(SEDIGRAPH)	40.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 60.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

D-9-10

010981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	
5.00	5.00	6.00	*****
5.50	9.00	15.00	*****
6.00	10.00	25.00	*****
6.50	11.00	36.00	*****
7.00	9.00	45.00	*****
7.50	11.00	56.00	*****
8.00	9.00	65.00	*****
8.50	7.00	72.00	*****
9.00	6.00	78.00	*****
9.50	4.50	82.50	****
10.00	3.50	86.00	***
10.50	2.50	88.50	**
11.00	1.50	90.00	*
11.50	2.00	92.00	**
12.00	1.00	93.00	*
*****	7.00	93.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.24 1.70 .28 -.30

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.23	5TH	4.90	16TH	5.55	25TH	6.00
			75TH	8.75	84TH	9.71	95TH*****	

PCT. GRAVEL .00 SAND 0.00 SILT (PIPETTE) 0.00 CLAY (PIPETTE) 0.00
 (SEDIGRAPH) 65.00 (SEDIGRAPH) 35.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 65.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	3.00	4.00	***
5.50	8.00	12.00	*****
6.00	11.00	23.00	*****
6.50	8.00	31.00	*****
7.00	9.00	40.00	*****
7.50	12.00	52.00	*****
8.00	8.50	60.50	*****
8.50	7.50	68.00	*****
9.00	7.00	75.00	*****
9.50	3.00	78.00	***
10.00	5.00	83.00	*****
10.50	3.00	86.00	***
11.00	1.00	87.00	*
11.50	2.00	89.00	**
12.00	1.00	90.00	*
****	10.00	90.00	*****
		100.00	

MEAN ST.DEV. SKÉWNNESS KURTOSIS

7.36 1.68 .24 -.37

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.42	5TH	5.06	16TH	5.68	25TH	6.13
			75TH	9.00	84TH	10.17	95TH	*****

PCT.	GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
					(SEDIGRAPH)	60.50	(SEDIGRAPH)	39.50

GRAVEL+SAND .00 SILT/(SILT+CLAY) 60.50PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	5.00	5.00	*****
5.50	5.00	10.00	*****
6.00	12.00	22.00	*****
6.50	10.00	32.00	*****
7.00	11.00	43.00	*****
7.50	12.00	55.00	*****
8.00	9.50	64.50	*****
8.50	6.50	71.00	*****
9.00	5.50	76.50	*****
9.50	4.00	80.50	****
10.00	3.50	84.00	***
10.50	1.00	85.00	*
11.00	2.00	87.00	**
11.50	2.00	89.00	**
12.00	1.00	90.00	*
*****	10.00	90.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.28 1.62 .33 .00

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.29	5TH	5.00	16TH	5.75	25TH	6.15
			75TH	8.86	84TH	10.00	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	64.50	(SEDIGRAPH)	35.50

GRAVEL+SAND .00 SILT/(SILT+CLAY) 64.50 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			ASSUMED UPPER LIMIT
	1.00		*
4.00	2.00	1.00	**
4.50	5.50	3.00	*****
5.00	8.50	8.50	*****
5.50	8.00	17.00	*****
6.00	11.00	25.00	*****
6.50	9.00	36.00	*****
7.00	10.50	45.00	*****
7.50	8.50	55.50	*****
8.00	9.00	64.00	*****
8.50	5.00	73.00	*****
9.00	4.00	78.00	****
9.50	3.00	82.00	***
10.00	2.00	85.00	**
10.50	2.00	87.00	**
11.00	1.50	89.00	*
11.50	1.50	90.50	*
12.00	8.00	92.00	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.19 1.76 .24 -.20

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.24	5TH	4.68	16TH	5.44	25TH	6.00
			75TH	8.70	84TH	9.83	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	63.00	(SEDIGRAPH)		36.00
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)		63.64PCT.GRAV+SAND/SILT+CLAY				.01
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

0-13-14

020981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUM PCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	6.00	7.00	*****
6.00	10.00	17.00	*****
6.50	11.00	28.00	*****
7.00	10.00	38.00	*****
7.50	13.00	51.00	*****
8.00	11.00	62.00	*****
8.50	8.00	70.00	*****
9.00	8.00	78.00	*****
9.50	5.00	83.00	*****
10.00	4.00	87.00	****
10.50	3.00	90.00	***
11.00	2.00	92.00	**
11.50	2.50	94.50	**
12.00	1.50	96.00	*
****	4.00	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.59	1.62	.29	-.27
7.68	1.88	.25	1.06

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.46	5TH	5.33	16TH	5.95	25TH	6.36	
			75TH	8.81	84TH	9.63	95TH	11.67	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00		
				(SEDIGRAPH)	62.00	(SEDIGRAPH)	38.00		
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	62.00 PCT. GRAV+SAND/SILT+CLAY						.00
LABELS SHEPARD	-CLAYEY SILT FOLK (GMS)-MUD						(SCS)-MUD		

D-14-15

270881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	6.00	7.00	*****
5.50	10.50	17.50	*****
6.00	9.50	27.00	*****
6.50	11.00	38.00	*****
7.00	9.00	47.00	*****
7.50	13.00	60.00	*****
8.00	9.00	69.00	*****
8.50	7.00	76.00	*****
9.00	6.00	82.00	*****
9.50	3.00	85.00	***
10.00	3.00	88.00	***
10.50	2.00	90.00	**
11.00	2.00	92.00	**
11.50	2.00	94.00	**
12.00	1.00	95.00	*
*****	5.00	95.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.15	1.69	.32	-.11
7.29	2.06	.25	1.16

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.12	5TH	4.83	16TH	5.43	25TH	5.89
			75TH	8.43	84TH	9.33	95TH	12.00
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	69.00	(SEDIGRAPH)		31.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	69.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	*****
5.00	6.00	7.00	*****
5.50	9.00	16.00	*****
6.00	10.00	26.00	*****
6.50	10.00	36.00	*****
7.00	12.00	48.00	*****
7.50	13.00	61.00	*****
8.00	10.00	71.00	*****
8.50	6.00	77.00	*****
9.00	5.00	82.00	*****
9.50	3.00	85.00	***
10.00	2.50	87.50	**
10.50	2.00	89.50	**
11.00	1.50	91.00	*
11.50	1.50	92.50	*
12.00	.50	93.00	
*****	7.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.07 1.58 .32 .08

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.08	5TH	4.83	16TH	5.50	25TH	5.95
			75TH	8.33	84TH	9.33	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	71.00	(SEDIGRAPH)	29.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 71.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	2.74	2.74	***
5.50	.68		*
5.50	6.85	3.42	*****
6.00	8.90	10.27	*****
6.50	9.59	19.18	*****
7.00	12.33	28.77	*****
7.50	10.96	41.10	*****
8.00	6.85	52.05	*****
8.50	8.22	58.90	*****
9.00	4.11	67.12	****
9.50	4.11	71.23	****
10.00	4.11	75.34	****
10.50	2.74	79.45	***
11.00	2.05	82.19	**
11.50	2.74	84.25	***
12.00	13.01	86.99	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.86 1.67 .24 -.35

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED; OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.91	5TH	5.62	16TH	6.32	25TH	6.80
			75TH	9.96	84TH	11.44	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	52.05	(SEDIGRAPH)	47.95

GRAVEL+SAND .00 SILT/(SILT+CLAY) 52.05 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	7.50	8.00	*****
5.50	12.00	20.00	*****
6.00	11.50	31.50	*****
6.50	11.50	43.00	*****
7.00	10.00	53.00	*****
7.50	14.00	67.00	*****
8.00	7.50	74.50	*****
8.50	5.50	80.00	*****
9.00	5.00	85.00	*****
9.50	3.00	88.00	***
10.00	2.00	90.00	**
10.50	2.50	92.50	**
11.00	1.50	94.00	*
11.50	1.50	95.50	*
12.00	1.50	97.00	*
****	3.00	100.00	***

MEAN ST.DEV. SKEWNESS KURTOSIS

6.99	1.67	.41	.24
7.03	1.88	.26	1.15

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	6.85	5TH	4.80	16TH	5.33	25TH	5.72
			75TH	8.05	84TH	8.90	95TH	11.33

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	74.50	(SEDIGRAPH)	25.50

GRAVEL+SAND	.00	SILT/(SILT+CLAY)	74.50	PCT.GRAV+SAND/SILT+CLAY	.00
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LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	2.02		**
4.00	7.07	2.02	*****
4.50	3.03	9.09	***
5.00	10.10	12.12	*****
5.50	9.09	22.22	*****
6.00	9.09	31.31	*****
6.50	8.08	40.40	*****
7.00	11.11	48.48	*****
7.50	9.09	59.60	*****
8.00	5.56	68.69	*****
8.50	5.56	74.24	*****
9.00	4.04	79.80	****
9.50	2.53	83.84	***
10.00	2.02	86.36	**
10.50	1.52	88.38	**
11.00	2.02	89.90	**
11.50	1.01	91.92	*
12.00	7.07	92.93	*****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

6.97 1.84 .22 -.29

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.07	5TH	4.21	16TH	5.19	25TH	5.65
			75TH	8.57	84TH	9.53	95TH	*****
PCT. GRAVEL	.00	SAND	2.02	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	66.67	(SEDIGRAPH)		31.31
GRAVEL+SAND	2.02	SILT/(SILT+CLAY)	68.04	PCT.GRAV+SAND/SILT+CLAY				.02
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	*****
5.00	6.00	7.00	*****
5.50	6.00	13.00	*****
6.00	9.00	22.00	*****
6.50	10.00	32.00	*****
7.00	9.00	41.00	*****
7.50	13.00	54.00	*****
8.00	9.00	63.00	*****
8.50	9.00	72.00	*****
9.00	5.00	77.00	*****
9.50	5.00	82.00	*****
10.00	3.00	85.00	***
10.50	2.00	87.00	**
11.00	2.50	89.50	**
11.50	2.50	92.00	**
12.00	2.00	94.00	**
*****	6.00	94.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.40 1.76 .27 -.24

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.35	5TH	4.83	16TH	5.67	25TH	6.15
			75TH	8.80	84TH	9.83	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	63.00	(SEDIGRAPH)		37.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	63.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)	-MUD			(SCS)		-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	3.50	4.00	***
5.50	8.00	12.00	*****
6.00	10.50	22.50	*****
6.50	11.50	34.00	*****
7.00	9.00	43.00	*****
7.50	14.00	57.00	*****
8.00	9.00	66.00	*****
8.50	7.00	73.00	*****
9.00	6.00	79.00	*****
9.50	4.50	83.50	****
10.00	3.00	86.50	***
10.50	2.50	89.00	**
11.00	2.50	91.50	**
****	8.50	91.50	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.20 1.51 .22 -.46

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 11.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.25	5TH	5.06	16TH	5.69	25TH	6.11
			75TH	8.67	84TH	9.58	95TH	*****

PCT.	GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
					(SEDIGRAPH)	66.00	(SEDIGRAPH)	34.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 66.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	3.00	3.00	***
5.50	7.00	10.00	*****
6.00	13.00	23.00	*****
6.50	13.00	36.00	*****
7.00	12.00	48.00	*****
7.50	13.00	61.00	*****
8.00	10.00	71.00	*****
8.50	8.00	79.00	*****
9.00	6.00	85.00	*****
9.50	3.00	88.00	***
10.00	3.00	91.00	***
10.50	2.00	93.00	**
11.00	1.50	94.50	*
11.50	1.00	95.50	*
12.00	1.50	97.00	*
****	3.00	100.00	***

MEAN ST.DEV. SKEWNESS KURTOSIS

7.22	1.54	.39	.31
7.24	1.72	.26	1.15

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.08	5TH	5.14	16TH	5.73	25TH	6.08
			75TH	8.25	84TH	8.92	95TH	11.25
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	71.00	(SEDIGRAPH)		29.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	71.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK (GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	
	2.00		**
4.00	2.00	2.00	**
4.50	5.00	4.00	*****
5.00	10.00	9.00	*****
5.50	13.00	19.00	*****
6.00	11.00	32.00	*****
6.50	10.00	43.00	*****
7.00	12.00	53.00	*****
7.50	10.00	65.00	*****
8.00	6.00	75.00	*****
8.50	5.00	81.00	*****
9.00	3.00	86.00	***
9.50	3.50	89.00	***
10.00	2.50	92.50	**
10.50	2.00	95.00	**
11.00	2.00	97.00	**
11.50	.50	99.00	
12.00	.50	99.50	
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.02	1.72	.28	-.13
7.00	1.76	.18	1.07

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	6.85	5TH	4.60	16TH	5.35	25TH	5.73
			75TH	8.00	84TH	8.80	95TH	10.50
PCT. GRAVEL	.00	SAND	2.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	73.00	(SEDIGRAPH)		25.00
GRAVEL+SAND	2.00	SILT/(SILT+CLAY)	74.49	PCT.GRAV+SAND/SILT+CLAY				.02
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.50	1.50	****
5.00	4.50	6.00	*****
5.50	6.00	12.00	*****
6.00	11.00	23.00	*****
6.50	9.00	32.00	*****
7.00	7.00	39.00	*****
7.50	11.00	50.00	*****
8.00	10.00	60.00	*****
8.50	8.00	68.00	*****
9.00	7.00	75.00	*****
9.50	4.00	79.00	****
10.00	4.50	83.50	****
10.50	3.50	87.00	***
11.00	1.50	88.50	*
11.50	2.50	91.00	**
12.00	1.00	92.00	*
****	8.00	92.00	*****
	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.43 1.74 .20 -.50

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.50	5TH	4.89	16TH	5.68	25TH	6.11
			75TH	9.00	84TH	10.07	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	60.00	(SEDIGRAPH)	40.00

GRAVEL+SAND .00 SILT/((SILT+CLAY) 60.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	**
	1.52		**
4.00		1.52	****
	3.54		
4.50		5.05	*****
	9.09		
5.00		14.14	*****
	10.10		
5.50		24.24	*****
	8.08		
6.00		32.32	*****
	8.08		
6.50		40.40	*****
	7.07		
7.00		47.47	*****
	8.08		
7.50		55.56	*****
	7.07		
8.00		62.63	*****
	7.07		
8.50		69.70	*****
	5.05		
9.00		74.75	*****
	5.05		
9.50		79.80	***
	3.03		
10.00		82.83	***
	3.03		
10.50		85.86	**
	2.02		
11.00		87.88	**
	2.02		
11.50		89.90	*
	1.01		
12.00		90.91	*****
	9.09		
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.05 1.92 .22 -.64

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.16	5TH	4.49	16TH	5.09	25TH	5.55
			75TH	9.03	84TH	10.19	95TH	*****

PCT. GRAVEL	.00	SAND	1.52	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	61.11	(SEDIGRAPH)	37.37

GRAVEL+SAND 1.52 SILT/(SILT+CLAY) 62.05PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		**
	2.02		**
4.00	2.02	2.02	**
4.50	2.02	4.04	*****
5.00	6.06	10.10	*****
5.50	7.07	17.17	*****
6.00	8.08	25.25	*****
6.50	9.09	34.34	*****
7.00	8.08	42.42	*****
	11.11		*****
7.50	9.09	53.54	*****
8.00	7.07	62.63	*****
8.50	6.06	69.70	*****
9.00	5.05	75.76	*****
9.50	3.03	80.81	***
10.00	3.03	83.84	***
10.50	3.03	86.87	***
11.00	1.52	89.90	**
11.50	1.52	91.41	**
12.00	7.07	92.93	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.29 1.85 .17 -.47

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.34	5TH	4.58	16TH	5.42	25TH	5.98
			75TH	8.94	84TH	10.03	95TH	*****

PCT. GRAVEL	.00	SAND	2.02	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	60.61	(SEDIGRAPH)	37.37

GRAVEL+SAND 2.02 SILT/(SILT+CLAY) 61.86 PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	4.00		****
4.00	2.00	4.00	**
4.50	1.00	6.00	*
5.00	3.00	7.00	***
5.50	7.50	10.00	*****
6.00	9.50	17.50	*****
6.50	10.00	27.00	*****
7.00	13.00	37.00	*****
7.50	13.00	50.00	*****
8.00	8.00	63.00	*****
8.50	7.00	71.00	*****
9.00	4.00	78.00	****
9.50	3.50	82.00	***
10.00	2.50	85.50	**
10.50	1.50	88.00	*
11.00	1.50	89.50	*
11.50	2.00	91.00	**
12.00	7.00	93.00	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.41 1.74 .09 .12

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.50	5TH	4.25	16TH	5.90	25TH	6.39
			75TH	8.79	84TH	9.79	95TH	*****

PCT. GRAVEL	.00	SAND	4.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	59.00	(SEDIGRAPH)	37.00

GRAVEL+SAND 4.00 SILT/(SILT+CLAY) 61.46PCT.GRAV+SAND/SILT+CLAY .04

LABELS SHEPARD -CLAYEY SILT FOLK(GNS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	5.00	5.00	*****
6.00	11.00	16.00	*****
6.50	9.00	25.00	*****
7.00	9.00	34.00	*****
7.50	13.00	47.00	*****
8.00	10.00	57.00	*****
8.50	9.00	66.00	*****
9.00	8.00	74.00	*****
9.50	5.00	79.00	*****
10.00	4.00	83.00	****
10.50	3.50	86.50	***
11.00	1.50	88.00	*
11.50	2.00	90.00	**
12.00	1.50	91.50	*
*****	8.50	91.50	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.65 1.58 .27 -.31

KRUMHEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.65	5TH	5.50	16TH	6.00	25TH	6.50
			75TH	9.10	84TH	10.14	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	57.00	(SEDIGRAPH)		43.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	57.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	4.00	4.00	****
5.50	6.00	10.00	*****
6.00	11.00	21.00	*****
6.50	9.00	30.00	*****
7.00	8.00	38.00	*****
7.50	11.00	49.00	*****
8.00	9.00	58.00	*****
8.50	7.00	65.00	*****
9.00	7.00	72.00	*****
9.50	5.00	77.00	*****
10.00	5.00	82.00	*****
10.50	8.50	90.50	*****
11.00	1.50	92.00	*
11.50	0.00	92.00	
12.00	0.00	92.00	
*****	8.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.51 1.65 .11 -1.00

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.56	5TH	5.08	16TH	5.77	25TH	6.22
			75TH	9.30	84TH	10.12	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	58.00	(SEDIGRAPH)	42.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 58.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	4.00	5.00	****
6.00	9.00	14.00	*****
6.50	11.00	25.00	*****
7.00	9.00	34.00	*****
7.50	13.00	47.00	*****
8.00	12.00	59.00	*****
8.50	9.00	68.00	*****
9.00	7.00	75.00	*****
9.50	5.00	80.00	*****
10.00	3.00	83.00	***
10.50	3.00	86.00	***
11.00	1.50	87.50	*
11.50	2.00	89.50	**
12.00	.50	90.00	
*****	10.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.56 1.49 .27 -.17

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.63	5TH	5.50	16TH	6.09	25TH	6.50
			75TH	9.00	84TH	10.17	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	59.00	(SEDIGRAPH)	41.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 59.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	2.00	2.00	**
5.50	5.00	7.00	*****
6.00	8.00	15.00	*****
6.50	10.00	25.00	*****
7.00	10.00	35.00	*****
7.50	11.00	46.00	*****
8.00	8.50	54.50	*****
8.50	8.50	63.00	*****
9.00	6.00	69.00	*****
9.50	5.00	74.00	*****
10.00	4.00	78.00	****
10.50	3.00	81.00	***
11.00	1.50	82.50	*
11.50	2.50	85.00	**
12.00	2.00	87.00	**
12.50	13.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.63 1.68 .27 -.32

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.74	5TH	5.30	16TH	6.05	25TH	6.50
			75TH	9.63	84TH	11.30	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	54.50	(SEDIGRAPH)	45.50

GRAVEL+SAND .00 SILT/(SILT+CLAY) 54.50 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUM.PCT.	
3.50	0.00	0.00	
4.00	0.00	0.00	
4.50	2.50	0.00	**
5.00	3.50	2.50	***
5.50	6.00	6.00	*****
6.00	14.00	20.00	*****
6.50	4.00	24.00	*****
7.00	8.00	32.00	*****
7.50	12.00	44.00	*****
8.00	10.00	54.00	*****
8.50	9.00	63.00	*****
9.00	7.00	70.00	*****
9.50	7.00	77.00	*****
10.00	4.00	81.00	*****
10.50	4.00	85.00	*****
11.00	2.00	87.00	**
11.50	2.50	89.50	**
12.00	1.50	91.00	*
****	9.00	91.00	*****
	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.71 1.69 .18 -.56

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.80	5TH	5.36	16TH	5.86	25TH	6.56
			75TH	9.36	84TH	10.38	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	54.00	(SEDIGRAPH)		46.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	54.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)	-MUD				(SCS)	-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	4.00	4.00	****
5.50	6.00	10.00	*****
6.00	9.00	19.00	*****
6.50	10.00	29.00	*****
7.00	8.00	37.00	*****
7.50	11.00	48.00	*****
8.00	10.00	58.00	*****
8.50	9.00	67.00	*****
9.00	6.00	73.00	*****
9.50	5.00	78.00	*****
10.00	4.00	82.00	****
10.50	3.00	85.00	***
11.00	2.00	87.00	**
11.50	1.50	88.50	*
12.00	1.50	90.00	*
****	10.00	90.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.50 1.67 .23 -.38

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.60	5TH	5.08	16TH	5.83	25TH	6.30
			75TH	9.20	84TH	10.33	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	58.00	(SEDIGRAPH)	42.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 58.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	3.00	3.00	***
5.50	5.00	8.00	*****
6.00	9.00	17.00	*****
6.50	10.00	27.00	*****
7.00	11.00	38.00	*****
7.50	13.00	51.00	*****
8.00	11.00	62.00	*****
8.50	8.00	70.00	*****
9.00	9.00	79.00	*****
9.50	5.00	84.00	*****
10.00	3.00	87.00	***
10.50	3.00	90.00	***
11.00	2.50	92.50	**
11.50	2.50	95.00	**
12.00	2.00	97.00	**
****	3.00	100.00	***

MEAN ST.DEV. SKEWNESS KURTOSIS

7.61	1.66	.27	-.23
7.64	1.84	.21	1.09

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.46	5TH	5.20	16TH	5.94	25TH	6.40
			75TH	8.78	84TH	9.50	95TH	11.50
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	62.00	(SEDIGRAPH)	38.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	62.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD				(SCS)-MUD	

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.51	.51	*
5.00	3.54	4.04	****
5.50	5.05	9.09	*****
6.00	8.08	17.17	*****
6.50	8.08	25.25	*****
7.00	8.08	33.33	*****
7.50	11.62	44.95	*****
8.00	9.60	54.55	*****
8.50	9.09	63.64	*****
9.00	7.07	70.71	*****
9.50	5.05	75.76	*****
10.00	5.05	80.81	*****
10.50	4.04	84.85	****
11.00	2.02	86.87	**
11.50	3.03	89.90	***
12.00	2.02	91.92	**
****	8.08	91.92	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.72 1.76 .17 -.54

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.76	5TH	5.10	16TH	5.93	25TH	6.48
			75TH	9.43	84TH	10.40	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	54.55	(SEDIGRAPH)	45.45

GRAVEL+SAND .00 SILT/(SILT+CLAY) 54.55PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	****
5.00	4.00	5.00	*****
5.50	8.00	13.00	*****
6.00	10.00	23.00	*****
6.50	9.00	32.00	*****
7.00	9.50	41.50	*****
7.50	12.50	54.00	*****
8.00	9.00	63.00	*****
8.50	8.00	71.00	*****
9.00	7.00	78.00	*****
9.50	4.00	82.00	****
10.00	4.00	86.00	****
10.50	2.50	88.50	**
11.00	2.50	91.00	**
11.50	1.50	92.50	*
12.00	1.50	94.00	*
****	6.00	94.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.38 1.70 .25 -.32

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.34	5TH	5.00	16TH	5.65	25TH	6.11
			75TH	8.79	84TH	9.75	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	63.00	(SEDIGRAPH)	37.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 63.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	4.00	5.00	****
5.50	10.00	15.00	*****
6.00	10.00	25.00	*****
6.50	10.00	35.00	*****
7.00	12.00	47.00	*****
7.50	12.00	59.00	*****
8.00	10.00	69.00	*****
8.50	6.00	75.00	*****
9.00	5.00	80.00	*****
9.50	3.00	83.00	***
10.00	3.00	86.00	***
10.50	1.00	87.00	*
11.00	1.50	88.50	*
11.50	1.00	89.50	*
12.00	.50	90.00	
****	10.00	90.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.06 1.53 .32 .13

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.13	5TH	5.00	16TH	5.55	25TH	6.00
			75TH	8.50	84TH	9.67	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	69.00	(SEDIGRAPH)		31.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	69.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK (GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		**
	1.51		
4.00	1.01	1.51	*
4.50	1.01	2.51	*
5.00	5.03	3.52	*****
5.50	8.04	8.54	*****
6.00	9.05	16.58	*****
6.50	10.05	25.63	*****
7.00	12.06	35.68	*****
7.50	10.05	47.74	*****
8.00	9.05	57.79	*****
8.50	8.04	66.83	*****
9.00	6.03	74.87	*****
9.50	3.02	80.90	***
10.00	3.02	83.92	***
10.50	2.01	86.93	**
11.00	1.51	88.94	**
11.50	1.01	90.45	*
12.00	8.54	91.46	*****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.53 1.64 .12 -.17

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.61	5TH	5.15	16TH	5.96	25TH	6.47
			75TH	9.01	84TH	10.01	95TH	*****

PCT. GRAVEL	.00	SAND	1.51	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	56.28	(SEDIGRAPH)	42.21

GRAVEL+SAND 1.51 SILT/(SILT+CLAY) 57.14PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUM PCT.	
3.50	0.00		
4.00	2.02	0.00	**
4.50	4.04	2.02	****
5.00	6.06	6.06	*****
5.50	9.09	15.15	*****
6.00	11.11	24.24	*****
6.50	10.10	35.35	*****
7.00	12.12	45.45	*****
7.50	5.05	57.58	*****
8.00	3.03	62.63	***
8.50	16.16	65.66	*****
9.00	3.54	81.82	****
9.50	2.53	85.35	***
10.00	1.52	87.88	**
10.50	1.52	89.39	**
11.00	1.01	90.91	*
11.50	1.01	91.92	*
12.00	7.07	92.93	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.22 1.65 .21 -.38

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.19	5TH	4.87	16TH	5.55	25TH	6.03
			75TH	8.79	84TH	9.31	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	62.63	(SEDIGRAPH)	37.37	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	62.63	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		**
	2.02		**
4.00	2.02	2.02	**
4.50	5.05	4.04	*****
5.00	7.07	9.09	*****
5.50	9.09	16.16	*****
6.00	9.09	25.25	*****
6.50	10.10	34.34	*****
7.00	12.12	44.44	*****
7.50	10.10	56.57	*****
8.00	7.58	66.67	*****
8.50	6.57	74.24	*****
9.00	4.04	80.81	****
9.50	3.03	84.85	***
10.00	2.02	87.88	**
10.50	2.02	89.90	**
11.00	1.52	91.92	**
11.50	1.52	93.43	**
12.00	5.05	94.95	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.21 1.76 .20 -.16

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.23	5TH	4.60	16TH	5.49	25TH	5.99
			75TH	8.56	84TH	9.40	95TH	*****

PCT. GRAVEL	.00	SAND	2.02	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	64.65	(SEDIGRAPH)	33.33

GRAVEL+SAND 2.02 SILT/(SILT+CLAY) 65.98PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	*
	1.00		
4.00	.50	1.00	
4.50	3.50	1.50	***
5.00	6.00	5.00	*****
5.50	9.00	11.00	*****
6.00	10.00	20.00	*****
6.50	8.00	30.00	*****
7.00	13.00	38.00	*****
7.50	9.00	51.00	*****
8.00	8.00	60.00	*****
8.50	7.00	68.00	*****
9.00	4.00	75.00	****
9.50	4.00	79.00	****
10.00	2.00	83.00	**
10.50	2.00	85.00	**
11.00	1.50	87.00	*
11.50	1.00	88.50	*
12.00	10.50	89.50	*****
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.38 1.66 .20 -.22

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.46	5TH	5.00	16TH	5.78	25TH	6.25
			75TH	9.00	84TH	10.25	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	59.00	(SEDIGRAPH)	40.00	
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)	59.60	PCT.GRAV+SAND/SILT+CLAY			.01	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	2.50	3.00	**
5.50	6.00	9.00	*****
6.00	8.00	17.00	*****
6.50	10.00	27.00	*****
7.00	10.00	37.00	*****
7.50	13.00	50.00	*****
8.00	10.00	60.00	*****
8.50	9.00	69.00	*****
9.00	7.50	76.50	*****
9.50	6.50	83.00	*****
10.00	4.00	87.00	****
10.50	3.00	90.00	***
11.00	2.00	92.00	**
11.50	2.50	94.50	**
12.00	2.00	96.50	**
****	3.50	96.50	***
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.63	1.68	.23	-.33
7.69	1.90	.21	1.06

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.50	5TH	5.17	16TH	5.94	25TH	6.40
			75TH	8.90	84TH	9.63	95TH	11.63
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	60.00	(SEDIGRAPH)	40.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	60.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD				(SCS)-MUD	

11/04/81

PHI	PCT.	CUMFCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.03	1.03	
5.00	0.00	1.03	
5.50	0.00	1.03	**
6.00	1.55	2.58	
6.50	5.15	7.73	*****
7.00	7.73	15.46	*****
7.50	17.53	32.99	*****
8.00	18.56	51.55	*****
8.50	10.31	61.86	*****
9.00	10.31	72.16	*****
9.50	7.22	79.38	*****
10.00	3.61	82.99	****
10.50	3.61	86.60	****
11.00	3.09	89.69	***
11.50	3.09	92.78	***
12.00	2.58	95.36	***
****	4.64	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.19	1.44	.26	.28
8.37	1.64	.40	1.21

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.96	5TH	6.24	16TH	7.02	25TH	7.27
			75TH	9.20	84TH	10.14	95TH	11.93

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	51.55	(SEDIGRAPH)	48.45

GRAVEL+SAND .00 SILT/(SILT+CLAY) 51.55 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.03	1.03	**
5.00	2.06	3.09	*****
5.50	9.28	12.37	*****
6.00	13.40	25.77	*****
6.50	11.86	37.63	*****
7.00	10.82	48.45	*****
7.50	12.89	61.34	*****
8.00	8.76	70.10	*****
8.50	5.67	75.77	*****
9.00	4.64	80.41	*****
9.50	4.12	84.54	**
10.00	2.06	86.60	**
10.50	2.06	88.66	***
11.00	3.09	91.75	*
11.50	1.03	92.78	*
12.00	1.03	93.81	*****
*****	6.19	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.16 1.62 .39 .10

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.06	5TH	5.10	16TH	5.64	25TH	5.97
			75TH	8.43	84TH	9.44	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	70.10	(SEDIGRAPH)		29.90
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	70.10	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT. CUMPCT.	
3.50	ASSUMED UPPER LIMIT	***
	3.06	
4.00	.51 3.06	*
4.50	1.53 3.57	**
5.00	3.06 5.10	***
5.50	8.16 8.16	*****
6.00	12.24 16.33	*****
6.50	14.29 28.57	*****
7.00	14.29 42.86	*****
7.50	11.22 57.14	*****
8.00	6.12 68.37	*****
8.50	6.12 74.49	*****
9.00	3.57 80.61	****
9.50	3.57 84.18	****
10.00	2.04 87.76	**
10.50	2.55 89.80	***
11.00	1.53 92.35	**
11.50	1.53 93.88	**
12.00	4.59 95.41	****
*****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.37	1.65	.22	.30
7.57	1.92	.31	1.29

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.25	5TH	4.97	16TH	5.98	25TH	6.35
			75TH	8.54	84TH	9.47	95TH	11.87
PCT. GRAVEL	.00	SAND	3.06	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	65.31	(SEDIGRAPH)	31.63	
GRAVEL+SAND	3.06	SILT/(SILT+CLAY)	67.37	PCT.GRAV+SAND/SILT+CLAY			.03	
LABELS SHEPARD	-CLAYEY SILT	FOLK(GMS)-MUD		(SCS)-SILT				

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	2.17	2.17	**
6.00	5.98	8.15	*****
6.50	10.87	19.02	*****
7.00	11.41	30.43	*****
7.50	17.39	47.83	*****
8.00	9.78	57.61	*****
8.50	9.78	67.39	*****
9.00	5.43	72.83	*****
9.50	5.43	78.26	*****
10.00	3.26	81.52	***
10.50	3.26	84.78	***
11.00	2.17	86.96	**
11.50	2.17	89.13	**
12.00	2.72	91.85	***
****	8.15	91.85	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.80 1.55 .39 .03

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.61	5TH	5.74	16TH	6.36	25TH	6.76
			75TH	9.20	84TH	10.38	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	57.61	(SEDIGRAPH)	42.39

GRAVEL+SAND .00 SILT/(SILT+CLAY) 57.61 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	4.58	4.58	*****
6.00	13.07	17.65	*****
6.50	15.69	33.33	*****
7.00	14.38	47.71	*****
7.50	11.76	59.48	*****
8.00	7.84	67.32	*****
8.50	5.23	72.55	*****
9.00	5.23	77.78	*****
9.50	3.92	81.70	****
10.00	3.92	85.62	****
10.50	2.61	88.24	***
11.00	1.31	89.54	*
11.50	2.61	92.16	***
12.00	3.27	95.42	***
****	4.58	95.42	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.47	1.68	.48	.12
7.61	1.94	.45	1.05

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.10	5TH	5.52	16TH	5.94	25TH	6.23
			75TH	8.73	84TH	9.79	95TH	11.94
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	67.32	(SEDIGRAPH)		32.68
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	67.32	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.10	1.10	***
5.00	3.30	4.40	*****
5.50	7.69	12.09	*****
6.00	11.54	23.63	*****
6.50	13.74	37.36	*****
7.00	12.09	49.45	*****
7.50	13.19	62.64	*****
8.00	6.59	69.23	*****
8.50	5.49	74.73	****
9.00	4.40	79.12	****
9.50	4.40	83.52	**
10.00	2.20	85.71	***
10.50	3.30	89.01	***
11.00	2.75	91.76	**
11.50	1.65	93.41	*
12.00	.55	93.96	*****
*****	6.04	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.19 1.64 .36 -.07

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.02	5TH	5.04	16TH	5.67	25TH	6.05
			75TH	8.53	84TH	9.61	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	69.23	(SEDIGRAPH)	30.77

GRAVEL+SAND .00 SILT/(SILT+CLAY) 69.23PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

11/04/81

PHI	PCT.	CUMPCT.	
3.50	0.00		
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.35	1.35	*
5.50	5.41	6.76	*****
6.00	8.11	14.86	*****
6.50	12.16	27.03	*****
7.00	12.84	39.86	*****
7.50	14.19	54.05	*****
8.00	8.11	62.16	*****
8.50	6.76	68.92	*****
9.00	5.41	74.32	*****
9.50	4.05	78.38	****
10.00	3.38	81.76	***
10.50	3.38	85.14	***
11.00	1.35	86.49	*
11.50	1.35	87.84	*
12.00	1.35	89.19	*
*****	10.81	89.19	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.44 1.55 .36 .04

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.36	5TH	5.34	16TH	6.05	25TH	6.42
			75TH	9.08	84TH	10.33	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	62.16	(SEDIGRAPH)	37.84	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	62.16	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.15	1.15	*
5.00	.57	1.72	***
5.50	2.87	4.60	*****
6.00	6.90	11.49	*****
6.50	14.94	26.44	*****
7.00	10.34	36.78	*****
7.50	16.67	53.45	*****
8.00	9.77	63.22	*****
8.50	5.75	68.97	*****
9.00	6.90	75.86	*****
9.50	4.60	80.46	***
10.00	3.45	83.91	**
10.50	2.30	86.21	**
11.00	1.72	87.93	***
11.50	2.87	90.80	*
12.00	1.15	91.95	*****
*****	8.05	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.55 1.56 .34 .10

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.40	5TH	5.53	16TH	6.15	25TH	6.45
			75TH	8.94	84TH	10.02	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	63.22	(SEDIGRAPH)		36.78
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	63.22PCT.GRAV+SAND/SILT+CLAY					.00
LABELS SHEPARD	-CLAYEY SILT FOLK(GMS)-MUD				(SCS)-MUD			

11/04/81

PHI	PCT.	CUMFCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	2.02	2.02	**
5.50	2.53	2.02	***
6.00	5.56	4.55	*****
6.50	9.09	10.10	*****
7.00	12.12	19.19	*****
7.50	11.11	31.31	*****
8.00	12.12	42.42	*****
8.50	9.09	54.55	*****
9.00	9.09	63.64	*****
9.50	6.06	72.73	*****
10.00	4.04	78.79	****
10.50	3.54	82.83	****
11.00	3.03	86.36	***
11.50	1.92	89.39	**
12.00	2.63	91.31	***
****	6.06	93.94	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.87 1.62 .23 -.29

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.81	5TH	5.54	16TH	6.32	25TH	6.74
			75TH	9.19	84TH	10.17	95TH	*****

PCT.	GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
					(SEDIGRAPH)	54.55	(SEDIGRAPH)	45.45

GRAVEL+SAND .00 SILT/(SILT+CLAY) 54.55 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK (GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT. CUMFCT.	
3.50	ASSUMED UPPER LIMIT	**
	2.00	**
4.00	2.00	**
4.50	4.00	**
5.00	6.00	***
5.50	9.00	*****
6.00	16.00	*****
6.50	25.00	*****
7.00	35.00	*****
7.50	49.00	*****
8.00	59.00	*****
8.50	68.00	*****
9.00	76.00	*****
9.50	82.00	***
10.00	85.50	****
10.50	90.00	**
11.00	92.50	**
11.50	95.00	***
12.00	98.00	**
****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.70	1.81	.11	-.26
7.78	1.97	.18	1.13

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.55	5TH	4.75	16TH	6.00	25TH	6.50
			75TH	8.94	84TH	9.79	95TH	11.50

PCT. GRAVEL	.00	SAND	2.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	57.00	(SEDIGRAPH)	41.00

GRAVEL+SAND	2.00	SILT/(SILT+CLAY)	58.16	PCT.GRAV+SAND/SILT+CLAY	.02
LABELS SHEPARD	-CLAYEY SILT	FOLK(GMS)-MUD		(SCS)-MUD	

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	4.00	5.00	****
6.00	2.00	7.00	**
6.50	5.00	12.00	*****
7.00	6.00	18.00	*****
7.50	10.00	28.00	*****
8.00	9.00	37.00	*****
8.50	9.00	46.00	*****
9.00	10.00	56.00	*****
9.50	9.00	65.00	*****
10.00	7.00	72.00	*****
10.50	6.00	78.00	*****
11.00	5.00	83.00	*****
11.50	3.00	86.00	***
12.00	4.00	90.00	****
****	10.00	90.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.45 1.70 .00 -.64

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.70	5TH	5.50	16TH	6.83	25TH	7.35
			75TH	10.25	84TH	11.17	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	37.00	(SEDIGRAPH)	63.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	37.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY	CLAY	FOLK (GMS)-MUD			(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	
	3.00		***
4.00	0.00	3.00	
4.50	1.00	3.00	*
5.00	1.00	4.00	*
5.50	5.00	5.00	*****
6.00	6.00	10.00	*****
6.50	10.00	16.00	*****
7.00	15.00	26.00	*****
7.50	9.00	41.00	*****
8.00	9.00	50.00	*****
8.50	9.00	59.00	*****
9.00	5.50	68.00	*****
9.50	5.50	73.50	*****
10.00	4.00	79.00	****
10.50	3.00	83.00	***
11.00	4.00	86.00	****
11.50	2.00	90.00	**
12.00	8.00	92.00	*****
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.96 1.76 .02 -.11

KRUMHEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.00	5TH	5.50	16TH	6.50	25TH	6.95
			75TH	9.64	84TH	10.67	95TH	*****
PCT. GRAVEL	.00	SAND	3.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	47.00	(SEDIGRAPH)	50.00	
GRAVEL+SAND	3.00	SILT/(SILT+CLAY)	48.45	PCT.GRAV+SAND/SILT+CLAY			.03	
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUM PCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	1.61	1.61	**
6.00	1.61	3.23	**
6.50	8.06	11.29	*****
7.00	11.29	22.58	*****
7.50	16.13	38.71	*****
8.00	9.68	48.39	*****
8.50	9.68	58.06	*****
9.00	6.45	64.52	*****
9.50	6.45	70.97	*****
10.00	6.45	77.42	*****
10.50	6.45	83.87	*****
11.00	3.23	87.10	***
11.50	4.84	91.94	*****
12.00	4.84	96.77	*****
****	3.23	100.00	***

MEAN ST.DEV. SKEWNESS KURTOSIS

8.34	1.67	.23	-.77
8.44	1.82	.29	.85

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
FOLK AND WARD, 1957

PERCENTILES	MEDIAN	8.08	5TH	6.11	16TH	6.71	25TH	7.08
			75TH	9.81	84TH	10.52	95TH	11.82
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	48.39	(SEDIGRAPH)		51.61
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	48.39	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK (GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	*
	1.00		
4.00	0.00	1.00	
4.50	0.00	1.00	
5.00	0.00	1.00	
5.50	2.00	3.00	**
6.00	2.00	5.00	**
6.50	5.00	10.00	*****
7.00	6.00	16.00	*****
7.50	8.00	24.00	*****
8.00	7.00	31.00	*****
8.50	9.00	40.00	*****
9.00	7.00	47.00	*****
9.50	7.00	54.00	*****
10.00	6.00	60.00	*****
10.50	4.00	64.00	****
11.00	4.00	68.00	****
11.50	5.00	73.00	*****
12.00	2.00	75.00	**
*****	25.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.43 1.73 -.03 -.46

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.21	5TH	6.00	16TH	7.00	25TH	7.57
			75TH	12.00	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	30.00	(SEDIGRAPH)	69.00	
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)	30.30	PCT.GRAV+SAND/SILT+CLAY	.01			
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)	-MUD		(SCS)	-CLAY	

11/04/81

PHI	PCT.	CUM PCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	1.00	2.00	*
6.00	5.00	7.00	*****
6.50	7.00	14.00	*****
7.00	8.00	22.00	*****
7.50	11.00	33.00	*****
8.00	10.00	43.00	*****
8.50	8.00	51.00	*****
9.00	9.00	60.00	*****
9.50	6.50	66.50	*****
10.00	5.50	72.00	*****
10.50	3.00	75.00	***
11.00	3.50	78.50	***
11.50	3.50	82.00	***
12.00	3.00	85.00	***
****	15.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.18 1.66 .17 -.57

KRUMBEIN + PETTIJHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.44	5TH	5.80	16TH	6.63	25TH	7.14
			75TH	10.50	84TH	11.83	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	43.00	(SEDIGRAPH)	57.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 43.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT. CUMFCT.	
3.50	ASSUMED UPPER LIMIT	*
	1.00	
4.00	0.00 1.00	
4.50	0.00 1.00	
5.00	1.00 1.00	*
5.50	4.00 2.00	****
6.00	8.00 6.00	*****
6.50	8.00 14.00	*****
7.00	10.00 22.00	*****
7.50	9.00 32.00	*****
8.00	9.00 41.00	*****
8.50	7.00 50.00	*****
9.00	7.00 57.00	*****
9.50	4.50 64.00	****
10.00	3.50 68.50	***
10.50	3.00 72.00	***
11.00	3.00 75.00	***
11.50	2.00 78.00	**
12.00	20.00 80.00	*****
****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.10 1.65 .11 -.31

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.50	5TH	5.88	16TH	6.63	25TH	7.15
			75TH	11.00	84TH	*****	95TH	*****

PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	40.00	(SEDIGRAPH)	59.00

GRAVEL+SAND 1.00 SILT/(SILT+CLAY) 40.40 PCT.GRAV+SAND/SILT+CLAY .01

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		*
	1.00		
4.00	0.00	1.00	
4.50	3.00	1.00	***
5.00	3.00	4.00	***
5.50	4.00	7.00	****
6.00	6.00	11.00	*****
6.50	7.50	17.00	*****
7.00	9.50	24.50	*****
7.50	7.00	34.00	*****
8.00	9.00	41.00	*****
8.50	9.00	50.00	*****
9.00	7.00	59.00	*****
9.50	6.00	66.00	*****
10.00	5.50	72.00	*****
10.50	5.50	77.50	*****
11.00	3.50	83.00	***
11.50	2.50	86.50	**
12.00	11.00	89.00	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.19 1.84 -.03 -.67

KRUMHEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.50	5TH	5.17	16TH	6.42	25TH	7.03
			75TH	10.27	84TH	11.14	95TH	*****
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	40.00	(SEDIGRAPH)		59.00
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)	40.40PCT.GRAV+SAND/SILT+CLAY					.01
LABELS SHEPARD	-SILTY CLAY			FOLK(GMS)-MUD			(SCS)-MUD	

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	4.00	4.00	****
6.00	2.00	6.00	**
6.50	6.00	12.00	*****
7.00	6.00	18.00	*****
7.50	8.00	26.00	*****
8.00	8.00	34.00	*****
8.50	9.00	43.00	*****
9.00	7.00	50.00	*****
9.50	3.00	53.00	***
10.00	2.00	55.00	**
10.50	10.00	65.00	*****
11.00	5.00	70.00	*****
11.50	5.00	75.00	*****
12.00	3.00	78.00	***
****	22.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.47 1.81 .05 -1.02 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN 9.00	5TH 5.75	16TH 6.83	25TH 7.44
		75TH 11.50	84TH*****	95TH*****
PCT. GRAVEL	.00	SAND 0.00	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 34.00	(SEDIGRAPH) 66.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	34.00PCT.GRAV+SAND/SILT+CLAY	.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD		(SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	0.00	0.00	
6.00	2.00	2.00	**
6.50	3.00	5.00	***
7.00	6.00	11.00	*****
7.50	7.50	18.50	*****
8.00	8.50	27.00	*****
8.50	8.00	35.00	*****
9.00	9.00	44.00	*****
9.50	7.00	51.00	*****
10.00	9.00	60.00	*****
10.50	6.00	66.00	*****
11.00	6.00	72.00	*****
11.50	4.00	76.00	****
12.00	3.00	79.00	***
****	21.00	79.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.79 1.54 .03 -.88

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.43	5TH	6.50	16TH	7.33	25TH	7.88
			75TH	11.38	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	27.00	(SEDIGRAPH)	73.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	27.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD		(SCS)-CLAY				

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	3.00		***
4.00	.50	3.00	
4.50	2.50	3.50	**
5.00	2.00	6.00	**
5.50	5.00	8.00	*****
6.00	4.00	13.00	****
6.50	7.00	17.00	*****
7.00	9.00	24.00	*****
7.50	10.00	33.00	*****
8.00	8.00	43.00	*****
8.50	9.00	51.00	*****
9.00	6.00	60.00	*****
9.50	7.00	66.00	*****
10.00	6.00	73.00	*****
10.50	3.00	79.00	***
11.00	5.00	82.00	*****
11.50	8.00	87.00	*****
12.00	5.00	95.00	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.34	2.05	-.07	-.59
8.67	2.30	.07	.95

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	8.44	5TH	4.80	16TH	6.38	25TH	7.06
			75TH	10.17	84TH	11.20	95TH	12.00
PCT. GRAVEL	.00	SAND	3.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	40.00	(SEDIGRAPH)	57.00	
GRAVEL+SAND	3.00	SILT/(SILT+CLAY)	41.24	PCT.GRAV+SAND/SILT+CLAY	.03			
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)-MUD		(SCS)-MUD			

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	.51	.51	*
5.50	1.52	2.02	**
6.00	3.03	5.05	***
6.50	3.54	8.59	****
7.00	5.56	14.14	*****
7.50	7.07	21.21	*****
8.00	6.06	27.27	*****
8.50	7.07	34.34	*****
9.00	7.07	41.41	*****
9.50	6.06	47.47	*****
10.00	8.08	55.56	*****
10.50	7.07	62.63	*****
11.00	6.06	68.69	*****
11.50	6.06	74.75	*****
12.00	5.05	79.80	*****
****	20.20	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.84 1.79 -.08 -.94

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.66	5TH	5.99	16TH	7.13	25TH	7.81
			75TH	11.53	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	27.27	(SEDIGRAPH)		72.73
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	27.27	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD		(SCS)-CLAY				

11/04/81

PHI	PCT.	CUMPCT.	
3.50			ASSUMED UPPER LIMIT
	4.50		****
4.00	2.50	4.50	**
4.50	1.00	7.00	*
5.00	2.00	8.00	**
5.50	4.00	10.00	****
6.00	5.00	14.00	*****
6.50	6.00	19.00	*****
7.00	10.00	25.00	*****
7.50	7.00	35.00	*****
8.00	6.00	42.00	*****
8.50	8.00	48.00	*****
9.00	5.00	56.00	*****
9.50	7.00	61.00	*****
10.00	6.00	68.00	*****
10.50	6.00	74.00	*****
11.00	6.00	80.00	*****
11.50	3.50	86.00	***
12.00	10.50	89.50	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.19 2.15 -.14 -.69

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.53	5TH	4.10	16TH	6.20	25TH	7.00
			75TH	10.58	84TH	11.33	95TH	*****

PCT. GRAVEL	.00	SAND	4.50	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	37.50	(SEDIGRAPH)	58.00

GRAVEL+SAND 4.50 SILT/(SILT+CLAY) 39.27PCT.GRAV+SAND/SILT+CLAY .05

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT	*	
	1.00		
4.00	0.00	1.00	
4.50	0.00	1.00	
5.00	2.00	1.00	**
5.50	2.00	3.00	**
6.00	7.00	5.00	*****
6.50	9.00	12.00	*****
7.00	9.00	21.00	*****
7.50	7.00	30.00	*****
8.00	7.00	37.00	*****
8.50	6.00	44.00	*****
9.00	5.00	50.00	*****
9.50	4.00	55.00	****
10.00	4.00	59.00	****
10.50	5.00	63.00	*****
11.00	5.70	68.00	*****
11.50	4.30	73.70	****
12.00	22.00	78.00	*****
*****	100.00		*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.39 1.88 .07 -.80

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.00	5TH	6.00	16TH	6.72	25TH	7.22
			75TH	11.65	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	1.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	36.00	(SEDIGRAPH)		63.00
GRAVEL+SAND	1.00	SILT/(SILT+CLAY)	36.36	PCT.GRAV+SAND/SILT+CLAY				.01
LABELS SHEPARD	-SILTY CLAY	FOLK (GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	.50	1.00	
5.50	2.00	3.00	**
6.00	5.00	8.00	*****
6.50	9.00	17.00	*****
7.00	17.00	34.00	*****
7.50	0.00	34.00	
8.00	8.00	42.00	*****
8.50	6.00	48.00	*****
9.00	7.00	55.00	*****
9.50	6.00	61.00	*****
10.00	4.50	65.50	****
10.50	5.50	71.00	*****
11.00	4.50	75.50	****
11.50	5.50	81.00	*****
12.00	6.00	87.00	*****
*****	13.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.32 1.95 .12 -1.10

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.64	5TH	5.70	16TH	6.44	25TH	6.74
			75TH	10.94	84TH	11.75	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	42.00	(SEDIGRAPH)	58.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	42.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD.		

G-3-4

120881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.01	1.01	*
5.50	5.05	6.06	*****
6.00	8.59	14.65	*****
6.50	11.11	25.76	*****
7.00	9.60	35.35	*****
7.50	11.11	46.46	*****
8.00	7.07	53.54	*****
8.50	5.56	59.09	*****
9.00	5.56	64.65	*****
9.50	5.05	69.70	*****
10.00	3.54	73.23	****
10.50	4.55	77.78	*****
11.00	4.04	81.82	****
11.50	4.04	85.86	****
12.00	5.05	90.91	*****
*****	9.09	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.93 1.93 .25 -.85

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.75	5TH	5.40	16TH	6.06	25TH	6.47
			75TH	10.19	84TH	11.27	95TH	*****

PCT.	GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
					(SEDIGRAPH)	53.54	(SEDIGRAPH)	46.46

GRAVEL+SAND .00 SILT/(SILT+CLAY) 53.54PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	4.00	5.00	****
6.00	10.00	15.00	*****
6.50	12.00	27.00	*****
7.00	10.00	37.00	*****
7.50	11.50	48.50	*****
8.00	8.50	57.00	*****
8.50	5.00	62.00	*****
9.00	5.50	67.50	*****
9.50	5.00	72.50	*****
10.00	3.50	76.00	***
10.50	4.00	80.00	****
11.00	4.00	84.00	****
11.50	3.50	87.50	***
12.00	4.00	91.50	****
****	8.50	91.50	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.82 1.85 .30 -.68

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.59	5TH	5.50	16TH	6.04	25TH	6.42
			75TH	9.86	84TH	11.00	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	57.00	(SEDIGRAPH)	43.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 57.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	0.00	0.00	
6.00	4.00	4.00	****
6.50	9.00	13.00	*****
7.00	8.00	21.00	*****
7.50	9.00	30.00	*****
8.00	10.00	40.00	*****
8.50	8.00	48.00	*****
9.00	8.00	56.00	*****
9.50	6.00	62.00	*****
10.00	5.00	67.00	*****
10.50	5.00	72.00	*****
11.00	5.00	77.00	*****
11.50	6.00	83.00	*****
12.00	5.00	88.00	*****
****	12.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.49 1.75 .15 -1.02

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.63	5TH	6.06	16TH	6.69	25TH	7.22
			75TH	10.80	84TH	11.60	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	40.00	(SEDIGRAPH)		60.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	40.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	.50	.50	
5.00	1.50	2.00	*
5.50	4.00	6.00	****
6.00	11.00	17.00	*****
6.50	8.00	25.00	*****
7.00	10.00	35.00	*****
7.50	11.00	46.00	*****
8.00	8.00	54.00	*****
8.50	6.00	60.00	*****
9.00	5.00	65.00	*****
9.50	5.00	70.00	*****
10.00	4.00	74.00	****
10.50	4.00	78.00	****
11.00	3.00	81.00	***
11.50	2.50	83.50	**
12.00	2.50	86.00	**
****	14.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.70 1.79 .26 -.58

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.75	5TH	5.38	16TH	5.95	25TH	6.50
			75TH	10.13	84TH	11.60	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	54.00	(SEDIGRAPH)	46.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 54.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		**
	2.00		**
4.00	1.00	2.00	*
4.50	1.00	3.00	*
5.00	5.00	4.00	*****
5.50	9.00	9.00	*****
6.00	9.00	18.00	*****
6.50	7.00	27.00	*****
7.00	9.50	34.00	*****
7.50	7.50	43.50	*****
8.00	6.50	51.00	*****
8.50	5.50	57.50	*****
9.00	5.00	63.00	*****
9.50	4.50	68.00	****
10.00	3.00	72.50	***
10.50	2.50	75.50	**
11.00	3.00	78.00	***
11.50	2.50	81.00	**
12.00	16.50	83.50	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.64 1.91 .16 -.55

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.93	5TH	5.10	16TH	5.89	25TH	6.39
			75TH	10.42	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	2.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	49.00	(SEDIGRAPH)		49.00
GRAVEL+SAND	2.00	SILT/(SILT+CLAY)	50.00	PCT.GRAV+SAND/SILT+CLAY				.02
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

G-8-9

170881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	0.00	0.00	
6.00	0.00	0.00	
6.50	12.00	12.00	*****
7.00	10.00	22.00	*****
7.50	11.00	33.00	*****
8.00	8.00	41.00	*****
8.50	7.00	48.00	*****
9.00	7.00	55.00	*****
9.50	5.50	60.50	*****
10.00	4.50	65.00	*****
10.50	4.00	69.00	*****
11.00	4.00	73.00	*****
11.50	5.00	78.00	*****
12.00	5.00	83.00	*****
*****	17.00	83.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.40 1.72 .25 -.95

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.64	5TH	6.21	16TH	6.70	25TH	7.14
			75TH	11.20	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	41.00	(SEDIGRAPH)	59.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	41.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)-MUD			(SCS)-MUD		

6-9-10

010981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMFCT.	
3.50	ASSUMED UPPER LIMIT		
	3.00		***
4.00	1.00	3.00	*
4.50	2.00	4.00	**
5.00	2.00	6.00	**
5.50	5.00	8.00	*****
6.00	10.00	13.00	*****
6.50	9.00	23.00	*****
7.00	9.00	32.00	*****
7.50	8.00	41.00	*****
8.00	6.00	49.00	*****
8.50	5.00	55.00	*****
9.00	4.00	60.00	****
9.50	4.00	64.00	****
10.00	4.00	68.00	****
10.50	3.00	72.00	***
11.00	4.00	75.00	****
11.50	4.00	79.00	****
12.00	17.00	83.00	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.82 2.03 .10 -.60

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.08	5TH	4.75	16TH	6.15	25TH	6.61
			75TH	11.00	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	3.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	46.00	(SEDIGRAPH)		51.00
GRAVEL+SAND	3.00	SILT/(SILT+CLAY)		47.42PCT.GRAV+SAND/SILT+CLAY				.03
LABELS SHEPARD		-SILTY CLAY		FOLK(GMS)-MUD				(SCS)-MUD

11/04/81

PHI	PCT. CUM PCT.	
3.50	ASSUMED UPPER LIMIT	
	17.17	*****
4.00	17.17	*
4.50	1.01 18.18	**
5.00	2.02 20.20	***
5.50	3.03 23.23	*****
6.00	6.06 29.29	*****
6.50	8.08 37.37	*****
7.00	8.08 45.45	*****
7.50	7.07 52.53	****
8.00	4.04 56.57	*****
8.50	5.05 61.62	***
9.00	3.03 64.65	****
9.50	4.04 68.69	***
10.00	3.03 71.72	**
10.50	2.02 73.74	**
11.00	2.02 75.76	**
11.50	2.02 77.78	**
12.00	2.02 79.80	**
*****	20.20 100.00	*****

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN 7.32	5TH*****	16TH*****	25TH 5.65
		75TH 10.81	84TH*****	95TH*****
PCT. GRAVEL	.00	SAND 17.17	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 39.39	(SEDIGRAPH) 43.43
GRAVEL+SAND	17.17	SILT/(SILT+CLAY)	47.56	PCT.GRAV+SAND/SILT+CLAY .21
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-SANDY MUD		(SCS)-SANDY MUD

G-11-12

280881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUM.PCT.	
3.50	ASSUMED	UPPER LIMIT	*
	1.01		
4.00	0.00	1.01	
4.50	3.03	1.01	***
5.00	5.05	4.04	*****
5.50	10.10	9.09	*****
6.00	11.11	19.19	*****
6.50	10.10	30.30	*****
7.00	8.08	40.40	*****
7.50	6.06	48.48	*****
8.00	5.05	54.55	*****
8.50	6.06	59.60	*****
9.00	4.04	65.66	****
9.50	3.03	69.70	***
10.00	3.54	72.73	****
10.50	2.53	76.26	***
11.00	3.03	78.79	***
11.50	4.04	81.82	****
12.00	14.14	85.86	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.60 1.95 .27 -.57

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.63	5TH	5.10	16TH	5.84	25TH	6.26
			75TH	10.32	84TH	11.77	95TH	*****
PCT. GRAVEL	.00	SAND	1.01	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	53.54	(SEDIGRAPH)		45.45
GRAVEL+SAND	1.01	SILT/(SILT+CLAY)		54.08PCT.GRAV+SAND/SILT+CLAY				.01
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD				(SCS)-MUD		

G-12-13

250981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMFCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	2.00	2.00	**
5.50	6.00	8.00	*****
6.00	14.00	22.00	*****
6.50	12.00	34.00	*****
7.00	11.00	45.00	*****
7.50	10.50	55.50	*****
8.00	6.50	62.00	****
8.50	4.00	66.00	****
9.00	4.00	70.00	**
9.50	2.00	72.00	**
10.00	3.00	75.00	**
10.50	2.00	77.00	*
11.00	1.50	78.50	*
11.50	2.00	80.50	**
12.00	1.50	82.00	*
*****	18.00	82.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.19 1.65 .49 .35

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.24	5TH	5.25	16TH	5.79	25TH	6.13
			75TH	10.00	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	62.00	(SEDIGRAPH)		38.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	62.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMFCT.	
3.50			ASSUMED UPPER LIMIT
	1.50		*
4.00	1.50	1.50	*
4.50	2.00	3.00	**
5.00	6.00	5.00	*****
5.50	11.00	11.00	*****
6.00	10.00	22.00	*****
6.50	10.00	32.00	*****
7.00	10.00	42.00	*****
7.50	7.00	52.00	*****
8.00	4.00	59.00	****
8.50	7.00	63.00	*****
9.00	4.00	70.00	****
9.50	4.00	74.00	****
10.00	5.00	78.00	*****
10.50	6.00	83.00	*****
11.00	4.00	89.00	****
11.50	3.00	93.00	***
12.00	4.00	96.00	****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.70	2.02	.17	-.85
7.90	2.25	.30	.81

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.40	5TH	5.00	16TH	5.73	25TH	6.15
			75TH	9.63	84TH	10.58	95TH	11.83

PCT. GRAVEL	.00	SAND	1.50	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	57.50	(SEDIGRAPH)	41.00

GRAVEL+SAND 1.50 SILT/(SILT+CLAY) 58.38 PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

G-14-15

230981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	3.00	3.00	***
6.00	8.00	11.00	*****
6.50	8.00	19.00	*****
7.00	8.00	27.00	*****
7.50	11.00	38.00	*****
8.00	8.00	46.00	*****
8.50	6.00	52.00	*****
9.00	5.00	57.00	*****
9.50	5.00	62.00	*****
10.00	5.00	67.00	*****
10.50	4.00	71.00	****
11.00	3.00	74.00	***
11.50	5.00	79.00	*****
12.00	3.00	82.00	***
****	18.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.05 1.82 .22 -.87

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.33	5TH	5.63	16TH	6.31	25TH	6.88
			75TH	11.10	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	46.00	(SEDIGRAPH)	54.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	46.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED	UPPER LIMIT	
	2.02		**
4.00	1.01	2.02	*
4.50	2.02	3.03	**
5.00	3.03	5.05	***
5.50	14.14	8.08	*****
6.00	17.17	22.22	*****
6.50	14.65	39.39	*****
7.00	8.59	54.04	*****
7.50	5.05	62.63	*****
8.00	5.05	67.68	*****
8.50	5.56	72.73	*****
9.00	3.54	78.28	****
9.50	3.54	81.82	****
10.00	1.01	85.35	*
10.50	.51	86.36	*
11.00	0.00	86.87	
11.50	.51	86.87	*
12.00	12.63	87.37	*****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

6.93 1.45 .27 .31

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	6.86	5TH	4.99	16TH	5.78	25TH	6.08
			75TH	8.70	84TH	9.81	95TH	*****

PCT. GRAVEL	.00	SAND	2.02	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	65.66	(SEDIGRAPH)	32.32

GRAVEL+SAND 2.02 SILT/(SILT+CLAY) 67.01 PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK (GMS)-MUD (SCS)-SILT

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	3.00	3.00	***
6.00	5.00	8.00	*****
6.50	9.00	17.00	*****
7.00	9.50	26.50	*****
7.50	11.50	38.00	*****
8.00	9.00	47.00	*****
8.50	8.00	55.00	*****
9.00	8.00	63.00	*****
9.50	6.00	69.00	*****
10.00	5.00	74.00	*****
10.50	6.00	80.00	*****
11.00	5.00	85.00	*****
11.50	5.00	90.00	*****
12.00	6.00	96.00	*****
****	4.00	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.34 1.83 .16 -.96

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

8.51 2.06 .21 .81

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	8.19	5TH	5.70	16TH	6.44	25TH	6.92
			75TH	10.08	84TH	10.90	95TH	11.92
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	47.00	(SEDIGRAPH)		53.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	47.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD		(SCS)-MUD				

11/04/81

PHI	PCT.	CUMPCT.	
3.50		ASSUMED UPPER LIMIT	
	.50		
4.00	.50	.50	
4.50	2.00	1.00	**
5.00	5.00	3.00	*****
5.50	12.00	8.00	*****
6.00	11.00	20.00	*****
6.50	11.00	31.00	*****
7.00	9.00	42.00	*****
7.50	7.00	51.00	*****
8.00	6.00	58.00	*****
8.50	4.00	64.00	****
9.00	4.00	68.00	****
9.50	4.00	72.00	****
10.00	3.00	76.00	***
10.50	3.00	79.00	***
11.00	2.00	82.00	**
11.50	3.00	84.00	***
12.00	13.00	87.00	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.50 1.83 .32 -.39

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN 7.44	5TH 5.20	16TH 5.83	25TH 6.23
		75TH 9.88	84TH 11.50	95TH*****
PCT. GRAVEL	.00	SAND .50	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 57.50	(SEDIGRAPH) 42.00
GRAVEL+SAND	.50	SILT/(SILT+CLAY)	57.79PCT.GRAV+SAND/SILT+CLAY	.01
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD		(SCS)-MUD

11/04/81

PHI	PCT.	CUM.PCT.	
3.50			
4.00	0.00	0.00	
4.50	1.51	1.51	**
5.00	2.01	3.52	**
5.50	5.03	8.54	*****
6.00	11.06	19.60	*****
6.50	12.06	31.66	*****
7.00	11.06	42.71	*****
7.50	12.06	54.77	*****
8.00	7.04	61.81	*****
8.50	5.03	66.83	*****
9.00	5.53	72.36	*****
9.50	3.52	75.88	****
10.00	4.02	79.90	****
10.50	3.02	82.91	***
11.00	3.02	85.93	***
11.50	5.53	91.46	*****
12.00	4.52	95.98	*****
****	4.02	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.69	1.96	.30	-.64
7.94	2.23	.38	.88

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.30	5TH	5.15	16TH	5.84	25TH	6.22
			75TH	9.38	84TH	10.68	95TH	11.89
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	61.81	(SEDIGRAPH)		38.19
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	61.81	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD				(SCS)-MUD	

93-0-1

110881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	2.02	2.02	**
6.00	8.08	10.10	*****
6.50	10.10	20.20	*****
7.00	12.12	32.32	*****
7.50	19.19	51.52	*****
8.00	12.12	63.64	*****
8.50	9.09	72.73	*****
9.00	6.06	78.79	*****
9.50	4.04	82.83	****
10.00	4.04	86.87	****
10.50	2.02	88.89	**
11.00	2.02	90.91	**
11.50	1.52	92.42	**
12.00	4.04	96.46	****
*****	3.54	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.74	1.55	.45	.36
7.80	1.77	.36	1.26

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.46	5TH	5.68	16TH	6.29	25TH	6.70
			75TH	8.69	84TH	9.65	95TH	11.82
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	63.64	(SEDIGRAPH)	36.36	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	63.64PCT.GRAV+SAND/SILT+CLAY		.00			
LABELS SHEPARD	-CLAYEY SILT FOLK(GMS)-MUD				(SCS)-MUD			

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	3.00	3.00	***
5.50	5.00	8.00	*****
6.00	10.00	18.00	*****
6.50	10.00	28.00	*****
7.00	12.00	40.00	*****
7.50	12.00	52.00	*****
8.00	11.00	63.00	*****
8.50	8.00	71.00	*****
9.00	6.00	77.00	*****
9.50	5.00	82.00	*****
10.00	4.00	86.00	****
10.50	2.00	88.00	**
11.00	3.00	91.00	***
11.50	2.00	93.00	**
12.00	3.00	96.00	***
****	4.00	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.58	1.71	.31	-.19
7.69	1.97	.27	1.09

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
FOR SIZE RANGE 4.0 TO 12.0 PHI
FOLK GRAPHIC STATISTICAL PARAMETERS
FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.42	5TH	5.20	16TH	5.90	25TH	6.35
			75TH	8.83	84TH	9.75	95TH	11.83

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	63.00	(SEDIGRAPH)	37.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 63.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	5.15		*****
4.00	5.15	5.15	*****
4.50	10.31	10.31	*****
5.00	10.31	20.62	*****
5.50	12.37	30.93	*****
6.00	9.28	43.30	*****
6.50	8.25	52.58	*****
7.00	7.22	60.82	*****
7.50	8.25	68.04	*****
8.00	4.12	76.29	****
8.50	4.12	80.41	****
9.00	3.09	84.54	***
9.50	3.09	87.63	***
10.00	2.06	90.72	**
10.50	1.55	92.78	**
11.00	2.06	94.33	**
11.50	1.03	96.39	*
12.00	2.58	97.42	***
*****		100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN	6.36	5TH*****	16TH	4.78	25TH	5.21	
			75TH	7.92	84TH	8.94	95TH	11.16
PCT. GRAVEL	.00	SAND	5.15	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	71.13	(SEDIGRAPH)	23.71	
GRAVEL+SAND	5.15	SILT/(SILT+CLAY)	75.00	PCT.GRAV+SAND/SILT+CLAY			.05	
LABELS SHEPARD	-CLAYEY SILT FOLK(GMS)-MUD			(SCS)-SILT				

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	**
4.50	2.00	2.00	*****
5.00	6.00	8.00	*****
5.50	8.00	16.00	*****
6.00	8.00	24.00	*****
6.50	12.00	36.00	*****
7.00	6.00	42.00	*****
7.50	12.00	54.00	*****
8.00	6.00	60.00	*****
8.50	10.00	70.00	*****
9.00	4.00	74.00	****
9.50	6.00	80.00	*****
10.00	4.00	84.00	****
10.50	4.00	88.00	****
11.00	5.00	93.00	*****
11.50	1.00	94.00	*
12.00	5.00	99.00	*****
*****	1.00	100.00	*

MEAN ST.DEV. SKEWNESS KURTOSIS

7.58	1.99	.21	-.72
7.61	2.16	.22	.92

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.33	5TH	4.75	16TH	5.50	25TH	6.04
			75TH	9.08	84TH	10.00	95TH	11.60
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	60.00	(SEDIGRAPH)	40.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	60.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-MUD		

93-4-5

150881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.00	1.00	*
5.50	5.00	6.00	*****
6.00	9.00	15.00	*****
6.50	10.00	25.00	*****
7.00	9.00	34.00	*****
7.50	13.50	47.50	*****
8.00	10.50	58.00	*****
8.50	9.00	67.00	*****
9.00	8.00	75.00	*****
9.50	5.00	80.00	*****
10.00	5.00	85.00	*****
10.50	3.50	88.50	***
11.00	3.00	91.50	***
11.50	3.50	95.00	***
12.00	4.00	99.00	****
*****	1.00		*
		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

7.87 1.76 .26 -.51

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

7.86 1.89 .23 1.00

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.62	5TH	5.40	16TH	6.05	25TH	6.50
			75TH	9.00	84TH	9.90	95TH	11.50
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	58.00	(SEDIGRAPH)	42.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	58.00	PCT. GRAV+SAND/SILT+CLAY		.00		
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD		(SCS)-MUD				

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.22	1.22	**
5.00	2.44	3.66	*****
5.50	6.71	10.37	*****
6.00	7.93	18.29	*****
6.50	12.20	30.49	*****
7.00	10.98	41.46	*****
7.50	10.98	52.44	*****
8.00	8.54	60.98	*****
8.50	4.88	65.85	*****
9.00	6.10	71.95	*****
9.50	4.27	76.22	****
10.00	3.05	79.27	***
10.50	2.44	81.71	**
11.00	1.83	83.54	**
11.50	2.44	85.98	**
12.00	1.22	87.20	*
****	12.80	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.37 1.69 .31 -.16

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.39	5TH	5.10	16TH	5.86	25TH	6.28
			75TH	9.36	84TH	11.10	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	60.98	(SEDIGRAPH)		39.02
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	60.98	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

93-6-7

110881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	**
4.50	2.00	2.00	*****
5.00	6.50	8.50	*****
5.50	7.50	16.00	*****
6.00	5.50	21.50	*****
6.50	8.50	30.00	*****
7.00	7.00	37.00	*****
7.50	10.00	47.00	*****
8.00	8.00	55.00	*****
8.50	7.00	62.00	*****
9.00	7.00	69.00	*****
9.50	6.00	75.00	*****
10.00	4.00	79.00	****
10.50	3.50	82.50	***
11.00	2.50	85.00	**
11.50	3.00	88.00	***
12.00	2.00	90.00	**
*****	10.00	90.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.54 1.91 .15 -.72

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.69	5TH	4.73	16TH	5.50	25TH	6.21
			75TH	9.50	84TH	10.80	95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	55.00	(SEDIGRAPH)	45.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	55.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUM.PCT.	
3.50			
4.00	0.00	0.00	***
4.50	2.56	2.56	****
5.00	4.49	7.05	*****
5.50	5.77	12.82	*****
6.00	5.77	18.59	*****
6.50	7.05	25.64	*****
7.00	7.69	33.33	*****
7.50	11.54	44.87	*****
8.00	8.97	53.85	*****
8.50	6.41	60.26	*****
9.00	6.41	66.67	*****
9.50	4.49	71.15	****
10.00	3.85	75.00	****
10.50	2.56	77.56	***
11.00	1.92	79.49	**
11.50	2.56	82.05	***
12.00	1.28	83.33	*
****	16.67	83.33	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.48 1.80 .16 -.47

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.79	5TH	4.77	16TH	5.78	25TH	6.45
			75TH	10.00	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	53.85	(SEDIGRAPH)		46.15
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	53.85	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	2.00	3.00	**
5.50	5.00	8.00	*****
6.00	7.00	15.00	*****
6.50	8.00	23.00	*****
7.00	6.00	29.00	*****
7.50	10.00	39.00	*****
8.00	8.00	47.00	*****
8.50	6.50	53.50	*****
9.00	6.50	60.00	*****
9.50	6.00	66.00	*****
10.00	5.00	71.00	*****
10.50	4.00	75.00	****
11.00	4.00	79.00	****
11.50	4.50	83.50	****
12.00	3.50	87.00	***
13.00	13.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.00 1.93 .12 -.88

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.23	5TH	5.20	16TH	6.06	25TH	6.67
			75TH	10.50	84TH	11.57	95TH	*****

PCT.	GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
					(SEDIGRAPH)	47.00	(SEDIGRAPH)	53.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 47.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

93-9-10

060881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	4.00	5.00	****
5.50	5.00	10.00	*****
6.00	9.00	19.00	*****
6.50	9.00	28.00	*****
7.00	8.00	36.00	*****
7.50	21.00	57.00	*****
8.00	0.00	57.00	
8.50	6.00	63.00	*****
9.00	8.00	71.00	*****
9.50	5.50	76.50	*****
10.00	4.00	80.50	****
10.50	3.50	84.00	***
11.00	2.50	86.50	**
11.50	2.50	89.00	**
12.00	2.00	91.00	**
****	9.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.55 1.79 .24 -.50

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.33	5TH	5.00	16TH	5.83	25TH	6.33
			75TH	9.36	84TH	10.50	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	57.00	(SEDIGRAPH)	43.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	57.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

93-10-11

100881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	5.71	5.71	*****
5.50	5.71	11.43	*****
6.00	5.71	17.14	*****
6.50	8.57	25.71	*****
7.00	5.71	31.43	*****
7.50	8.57	40.00	*****
8.00	10.00	50.00	*****
8.50	7.14	57.14	*****
9.00	7.14	64.29	*****
9.50	7.14	71.43	*****
10.00	2.86	74.29	***
10.50	4.29	78.57	****
11.00	2.86	81.43	***
11.50	2.86	84.29	***
12.00	2.86	87.14	***
****	12.86	87.14	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.77 1.88 .14 -.72

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.00	5TH	4.94	16TH	5.90	25TH	6.46
			75TH	10.08	84TH	11.45	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	50.00	(SEDIGRAPH)	50.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 50.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK (GMS) -MUD (SCS) -MUD

93-11-12

080981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	**
4.50	2.00	2.00	*****
5.00	7.00	9.00	*****
5.50	9.00	18.00	*****
6.00	9.00	27.00	*****
6.50	8.00	35.00	*****
7.00	7.00	42.00	*****
7.50	7.00	49.00	*****
8.00	8.50	57.50	*****
8.50	6.50	64.00	*****
9.00	7.00	71.00	*****
9.50	6.00	77.00	*****
10.00	4.00	81.00	****
10.50	3.00	84.00	***
11.00	3.00	87.00	***
11.50	2.00	89.00	**
12.00	2.00	91.00	**
****	9.00	91.00	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.40 1.92 .19 -.76

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.56	5TH	4.71	16TH	5.39	25TH	5.89
			75TH	9.33	84TH	10.50	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	57.50	(SEDIGRAPH)	42.50	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	57.50	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SGS)-MUD		

93-12-13

080981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			ASSUMED UPPER LIMIT
	3.54		****
4.00	1.52	3.54	**
4.50	3.03	5.05	***
5.00	5.05	8.08	*****
5.50	8.08	13.13	*****
6.00	8.08	21.21	*****
6.50	7.07	29.29	*****
7.00	12.12	36.36	*****
7.50	8.08	48.48	*****
8.00	9.09	56.57	*****
8.50	6.06	65.66	*****
9.00	6.06	71.72	*****
9.50	3.03	77.78	***
10.00	3.03	80.81	***
10.50	3.03	83.84	***
11.00	2.02	86.87	**
11.50	2.02	88.89	**
12.00	9.09	90.91	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.48 1.89 .09 -.42

KRUMBEIN + PETTIJHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.59	5TH	4.48	16TH	5.68	25TH	6.23
			75TH	9.27	84TH	10.53	95TH	*****

PCT. GRAVEL	.00	SAND	3.54	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	53.03	(SEDIGRAPH)	43.43

GRAVEL+SAND 3.54 SILT/(SILT+CLAY) 54.97PCT.GRAV+SAND/SILT+CLAY .04

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	.50	1.50	
5.50	3.50	5.00	***
6.00	5.00	10.00	*****
6.50	7.00	17.00	*****
7.00	8.00	25.00	*****
7.50	9.00	34.00	*****
8.00	8.00	42.00	*****
8.50	7.00	49.00	*****
9.00	8.00	57.00	*****
9.50	7.00	64.00	*****
10.00	6.00	70.00	*****
10.50	6.00	76.00	*****
11.00	5.00	81.00	*****
11.50	5.00	86.00	*****
12.00	3.00	89.00	***
****	11.00	92.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.28 1.84 .04 -.89

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.56	5TH	5.50	16TH	6.43	25TH	7.00
			75TH	10.42	84TH	11.30	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	42.00	(SEDIGRAPH)	58.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	42.00PCT.GRAV+SAND/SILT+CLAY			.00		
LABELS SHEPARD	-SILTY CLAY			FOLK(GMS)-MUD			(SCS)-MUD	

93-14-15

170881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	2.00	2.00	**
6.00	4.00	6.00	****
6.50	7.00	13.00	*****
7.00	7.00	20.00	*****
7.50	8.00	28.00	*****
8.00	9.00	37.00	*****
8.50	8.00	45.00	*****
9.00	9.00	54.00	*****
9.50	8.00	62.00	*****
10.00	7.00	69.00	*****
10.50	6.00	75.00	*****
****	25.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.01 1.38 -.05 -.99

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 10.5 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN 8.78	5TH 5.88	16TH 6.71	25TH 7.31
		75TH 10.50	84TH*****	95TH*****
PCT. GRAVEL	.00	SAND 0.00	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 37.00	(SEDIGRAPH) 63.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	37.00	PCT.GRAV+SAND/SILT+CLAY .00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD		(SCS)-MUD

93-15-16

060881 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	2.00	2.00	**
5.50	4.50	6.50	****
6.00	6.50	13.00	*****
6.50	8.00	21.00	*****
7.00	8.00	29.00	*****
7.50	11.00	40.00	*****
8.00	9.00	49.00	*****
8.50	9.00	58.00	*****
9.00	10.00	68.00	*****
9.50	6.00	74.00	*****
10.00	6.00	80.00	*****
10.50	5.00	85.00	*****
11.00	3.00	88.00	***
11.50	4.00	92.00	****
12.00	3.00	95.00	***
****	5.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.04 1.77 .12 -.71
 8.21 2.06 .15 .96

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	8.06	5TH	5.33	16TH	6.19	25TH	6.75
			75TH	9.58	84TH	10.40	95TH	12.00
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	49.00	(SEDIGRAPH)	51.00	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	49.00	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD		(SCS)-MUD				

PHI	PCT. CUMPCT.	
3.50	ASSUMED UPPER LIMIT	
	7.00	*****
4.00	5.00 7.00	*****
4.50	6.00 12.00	*****
5.00	7.00 18.00	*****
5.50	8.00 25.00	*****
6.00	9.00 33.00	*****
6.50	8.00 42.00	*****
7.00	8.00 50.00	*****
7.50	8.00 58.00	*****
8.00	5.00 66.00	*****
8.50	6.00 71.00	*****
9.00	2.00 77.00	**
9.50	2.00 79.00	**
10.00	.50 81.00	
10.50	1.50 81.50	*
11.00	2.00 83.00	**
11.50	2.00 85.00	**
12.00	13.00 87.00	*****
*****	100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN 7.00	5TH*****	16TH 4.83	25TH 5.50
		75TH 8.83	84TH 11.25	95TH*****
PCT. GRAVEL	.00	SAND 7.00	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 59.00	(SEDIGRAPH) 34.00
GRAVEL+SAND	7.00	SILT/(SILT+CLAY)	63.44	PCT.GRAV+SAND/SILT+CLAY .08
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD		(SCS)-MUD

93-17-18

010981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.01	1.01	*
5.50	5.05	6.06	*****
6.00	7.07	13.13	*****
6.50	8.08	21.21	*****
7.00	7.07	28.28	*****
7.50	9.09	37.37	*****
8.00	7.07	44.44	*****
8.50	8.08	51.52	*****
9.00	6.06	59.60	*****
9.50	5.05	65.66	*****
10.00	5.05	70.71	*****
10.50	4.04	75.76	****
11.00	3.54	79.80	****
11.50	3.03	83.33	***
12.00	13.64	86.36	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.06 1.84 .12 -.91

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.39	5TH	5.40	16TH	6.18	25TH	6.77
			75TH	10.43	84TH	11.61	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	44.44	(SEDIGRAPH)		55.56
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	44.44	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	2.53		***
6.00	4.55	2.53	*****
6.50	8.08	7.07	*****
7.00	7.07	15.15	*****
7.50	8.08	22.22	*****
8.00	6.06	30.30	*****
8.50	8.08	36.36	*****
9.00	8.08	44.44	*****
9.50	7.07	52.53	*****
10.00	5.05	59.60	*****
10.50	5.05	64.65	*****
11.00	4.04	69.70	****
11.50	3.03	73.74	***
12.00	3.03	76.77	***
****	20.20	79.80	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.27 1.73 .11 -.88

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.84	5TH	5.77	16TH	6.56	25TH	7.17
			75TH	11.21	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	36.36	(SEDIGRAPH)		63.64
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	36.36	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY	CLAY	FOLK(GMS)-MUD			(SCS)-MUD		

93-19-20

030981 SEDIGRAPH ANALYSIS

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	**
5.00	2.00	3.00	*****
5.50	9.00	12.00	*****
6.00	10.00	22.00	*****
6.50	10.00	32.00	*****
7.00	7.50	39.50	*****
7.50	9.50	49.00	*****
8.00	9.00	58.00	*****
8.50	6.50	64.50	*****
9.00	6.50	71.00	*****
9.50	5.50	76.50	***
10.00	3.50	80.00	****
10.50	4.00	84.00	***
11.00	3.00	87.00	**
11.50	2.00	89.00	*
12.00	1.50	90.50	*****
*****	9.50	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.50 1.79 .23 -.63

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.56	5TH	5.11	16TH	5.70	25TH	6.15
			75TH	9.36	84TH	10.50	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	58.00	(SEDIGRAPH)		42.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	58.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	3.00	3.00	***
5.50	4.00	7.00	****
6.00	7.00	14.00	*****
6.50	8.00	22.00	*****
7.00	7.00	29.00	*****
7.50	8.00	37.00	*****
8.00	7.00	44.00	*****
8.50	5.00	49.00	*****
9.00	7.00	56.00	*****
9.50	7.00	63.00	*****
10.00	4.00	67.00	*****
10.50	6.00	73.00	*****
11.00	4.00	77.00	*****
11.50	4.00	81.00	*****
12.00	3.00	84.00	*****
****	16.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.05 1.92 .10 -1.00

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	8.57	5TH	5.25	16TH	6.13	25TH	6.71
			75TH	10.75	84TH	12.00	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	44.00	(SEDIGRAPH)	56.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 44.00 PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	3.00	3.00	***
6.00	12.00	15.00	*****
6.50	14.50	29.50	*****
7.00	13.50	43.00	*****
7.50	14.50	57.50	*****
8.00	9.50	67.00	*****
8.50	6.50	73.50	*****
9.00	4.50	78.00	****
9.50	4.00	82.00	****
10.00	2.00	84.00	**
10.50	2.00	86.00	**
11.00	2.00	88.00	**
11.50	3.00	91.00	***
12.00	3.00	94.00	***
*****	6.00	94.00	*****
		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.51 1.63 .51 .37

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.24	5TH	5.58	16TH	6.03	25TH	6.34
			75TH	8.67	84TH	10.00	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	67.00	(SEDIGRAPH)		33.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	67.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)	-MUD			(SCS)-SILT		

11/04/81

PHI	PCT. CUMPCT.	
3.50	ASSUMED UPPER LIMIT	
	3.57	****
4.00	0.00 3.57	
4.50	1.19 3.57	*
5.00	7.74 4.76	*****
5.50	10.12 12.50	*****
6.00	11.90 22.62	*****
6.50	13.10 34.52	*****
7.00	10.71 47.62	*****
7.50	9.52 58.33	*****
8.00	7.14 67.86	*****
8.50	3.57 75.00	****
9.00	3.57 78.57	****
9.50	3.57 82.14	****
10.00	4.76 85.71	*****
10.50	1.19 90.48	*
11.00	2.38 91.67	**
11.50	1.79 94.05	**
12.00	4.17 95.83	****
*****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.30	1.79	.25	-.09
7.51	2.04	.34	1.15

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
FOLK AND WARD, 1957

PERCENTILES	MEDIAN 7.11	5TH 5.02	16TH 5.67	25TH 6.10
		75TH 8.50	84TH 9.76	95TH 11.77
PCT. GRAVEL	.00	SAND 3.57	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
		(SEDIGRAPH) 64.29	(SEDIGRAPH) 32.14	
GRAVEL+SAND	3.57	SILT/(SILT+CLAY)	66.67	PCT.GRAV+SAND/SILT+CLAY .04
LABELS SHEPARD	-CLAYEY SILT	FOLK (GMS)-MUD		(SCS)-SILT

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	0.00	0.00	
6.00	0.00	0.00	*
6.50	1.00	1.00	
7.00	3.00	4.00	***
7.50	7.00	11.00	*****
8.00	11.00	22.00	*****
8.50	13.00	35.00	*****
9.00	13.00	48.00	*****
9.50	10.00	58.00	*****
10.00	11.00	69.00	*****
10.50	7.00	76.00	*****
11.00	5.00	81.00	*****
11.50	5.00	86.00	*****
12.00	3.00	89.00	***
****	11.00	89.00	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.99 1.30 .12 -.65

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.10	5TH	7.07	16TH	7.73	25TH	8.12
			75TH	10.43	84TH	11.30	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	22.00	(SEDIGRAPH)	78.00

GRAVEL+SAND .00 SILT/(SILT+CLAY) 22.00PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAY FOLK(GMS)-MUD (SCS)-CLAY

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	1.00	1.00	*
5.00	2.00	3.00	**
5.50	4.00	7.00	****
6.00	14.00	21.00	*****
6.50	13.00	34.00	*****
7.00	14.00	48.00	*****
7.50	13.00	61.00	*****
8.00	10.00	71.00	*****
8.50	8.00	79.00	*****
9.00	5.00	84.00	*****
9.50	4.00	88.00	****
10.00	2.50	90.50	**
10.50	2.50	93.00	**
11.00	3.00	96.00	***
11.50	1.50	97.50	*
12.00	1.50	99.00	*
*****	1.00	100.00	*

MEAN ST.DEV. SKEWNESS KURTOSIS

7.34	1.59	.38	.18
7.30	1.64	.28	1.09

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.08	5TH	5.25	16TH	5.82	25TH	6.15
			75TH	8.25	84TH	9.00	95TH	10.83
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	71.00	(SEDIGRAPH)		29.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	71.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-SILT		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	2.02	2.02	**
5.50	3.54	2.02	****
5.50	5.56	5.56	*****
6.00	11.11	11.11	*****
6.50	12.63	22.22	*****
7.00	15.66	34.85	*****
7.50	12.12	50.51	*****
8.00	7.07	62.63	*****
8.50	6.57	69.70	*****
9.00	4.55	76.26	*****
9.50	4.04	80.81	****
10.00	3.03	84.85	***
10.50	2.02	87.88	**
11.00	5.05	89.90	*****
11.50	2.53	94.95	***
12.00	2.53	97.47	***
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.78	1.69	.32	-.23
7.87	1.84	.32	1.09

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.48	5TH	5.42	16TH	6.22	25TH	6.61
			75TH	8.90	84TH	9.90	95TH	11.51
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	62.63	(SEDIGRAPH)		37.37
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	62.63	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	*
4.50	1.00	1.00	
5.00	5.00	6.00	*****
5.50	6.00	12.00	*****
6.00	7.00	19.00	*****
6.50	12.00	31.00	*****
7.00	9.50	40.50	*****
7.50	14.50	55.00	*****
8.00	11.00	66.00	*****
8.50	5.00	71.00	*****
9.00	8.00	79.00	*****
9.50	4.00	83.00	****
10.00	3.00	86.00	***
10.50	3.00	89.00	***
11.00	2.00	91.00	**
11.50	2.00	93.00	**
12.00	7.00	100.00	*****
*****	0.00	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.64	1.91	.30	-.31
7.59	1.99	.24	1.11

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
FOR SIZE RANGE 4.0 TO 12.0 PHI
FOLK GRAPHIC STATISTICAL PARAMETERS
FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.33	5TH	4.90	16TH	5.79	25TH	6.25
			75TH	8.75	84TH	9.67	95TH	11.64
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	66.00	(SEDIGRAPH)		34.00
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	66.00	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-MUD		

11/04/81

PHI	PCT. CUM PCT.	
3.50	ASSUMED UPPER LIMIT	
	45.26	*****
4.00	45.26	
	25.26	*****
4.50	70.53	
	15.26	*****
5.00	85.79	
	3.68	****
5.50	89.47	*
	1.05	*
6.00	90.53	*
	.53	*
6.50	91.05	**
	1.58	**
7.00	92.63	*
	.53	*
7.50	93.16	*
	.53	*
8.00	93.68	*
	.53	*
8.50	94.21	*
	.53	*
9.00	94.74	*
	.53	*
9.50	95.26	*
	.53	*
10.00	95.79	
	0.00	
10.50	95.79	*
	.53	*
11.00	96.32	*
	.53	*
11.50	96.84	*
	1.05	*
12.00	97.89	**
	2.11	**
*****	100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN 4.09	5TH*****	16TH*****	25TH*****
		75TH 4.65	84TH 4.94	95TH 9.25
PCT. GRAVEL	.00	SAND 45.26	SILT (PIPETTE) 0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH) 48.42	(SEDIGRAPH) 6.32
GRAVEL+SAND	45.26	SILT/(SILT+CLAY)	88.46	PCT.GRAV+SAND/SILT+CLAY .83
LABELS SHEPARD	-SANDY SILT	FOLK(GMS)-SANDY MUD		(SCS)-SANDY SILT

11/04/81

PHI	PCT. CUMFCT.	
3.50	ASSUMED UPPER LIMIT	
4.00	45.00	*****
4.50	13.00 45.00	*****
5.00	7.00 58.00	*****
5.50	2.00 65.00	**
6.00	2.00 67.00	**
6.50	4.00 69.00	****
7.00	4.00 73.00	****
7.50	5.00 77.00	*****
8.00	4.00 82.00	****
8.50	2.50 86.00	**
9.00	2.00 88.50	**
9.50	1.50 90.50	*
10.00	1.00 92.00	*
10.50	1.00 93.00	*
11.00	.50 94.00	
11.50	.50 94.50	
12.00	1.00 95.00	*
****	4.00 96.00	****
	100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN	4.19	5TH*****	16TH*****	25TH*****
			75TH	6.75	84TH 7.75
					95TH 11.50
PCT. GRAVEL	.00	SAND 45.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE) 0.00
			(SEDIGRAPH)	41.00	(SEDIGRAPH) 14.00
GRAVEL+SAND	45.00	SILT/(SILT+CLAY)	74.55	PCT.GRAV+SAND/SILT+CLAY	.82
LABELS SHEPARD	-SILTY SAND	FOLK(GMS)-SANDY MUD		(SCS)-SANDY SILT	

11/04/81

PHI	PCT.	CUM PCT.	
3.50			
4.00	0.00	0.00	**
4.50	1.61	1.61	**
5.00	1.61	3.23	**
5.50	1.61	4.84	**
6.00	6.45	11.29	*****
6.50	11.29	22.58	*****
7.00	11.29	33.87	*****
7.50	10.48	44.35	*****
8.00	10.48	54.84	*****
8.50	6.45	61.29	*****
9.00	6.45	67.74	*****
9.50	3.23	70.97	***
10.00	4.84	75.81	*****
10.50	1.61	77.42	**
11.00	1.61	79.03	**
11.50	3.23	82.26	***
12.00	1.61	83.87	**
****	16.13	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.63 1.67 .27 -.09

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.77	5TH	5.51	16TH	6.21	25TH	6.61
			75TH	9.92	84TH*****		95TH*****	
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	54.84	(SEDIGRAPH)	45.16	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	54.84	PCT.GRAV+SAND/SILT+CLAY			.00	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT. CUM PCT.	
3.50		
4.00	0.00	
4.50	0.00	0.00
5.00	1.43	0.00
5.50	0.00	1.43
6.00	6.43	1.43
6.50	9.29	7.86
7.00	8.57	17.14
7.50	14.29	25.71
8.00	12.86	40.00
8.50	8.57	52.86
9.00	10.00	61.43
9.50	7.14	71.43
10.00	5.71	78.57
10.50	5.00	84.29
11.00	5.00	89.29
11.50	4.29	94.29
12.00	1.43	98.57
*****	0.00	100.00
		100.00

MEAN ST.DEV. SKEWNESS KURTOSIS

8.13	1.61	.16	-.65
8.10	1.69	.19	.95

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
FOR SIZE RANGE 4.0 TO 12.0 PHI
FOLK GRAPHIC STATISTICAL PARAMETERS
FOLK AND WARD, 1957

PERCENTILES	MEDIAN	7.89	5TH	5.78	16TH	6.44	25TH	6.96
			75TH	9.25	84TH	9.98	95TH	11.08
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	52.86	(SEDIGRAPH)		47.14
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	52.86	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-CLAYEY	SILT	FOLK(GMS)-MUD			(SCS)-MUD		

11/04/81

PHI	PCT.	CUM.PCT.	
3.50	ASSUMED	UPPER LIMIT	
	4.00		****
4.00	5.00	4.00	*****
4.50	5.00	9.00	*****
5.00	3.00	14.00	***
5.50	9.00	17.00	*****
6.00	6.00	26.00	*****
6.50	7.50	32.00	*****
7.00	8.50	39.50	*****
7.50	5.00	48.00	*****
8.00	6.00	53.00	*****
8.50	5.00	59.00	*****
9.00	4.00	64.00	****
9.50	4.00	68.00	****
10.00	3.00	72.00	***
10.50	3.00	75.00	***
11.00	4.00	78.00	****
11.50	1.00	82.00	*
12.00	17.00	83.00	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.29 2.12 .12 -.82

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.70	5TH	4.10	16TH	5.33	25TH	5.94
			75TH	10.50	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	4.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	49.00	(SEDIGRAPH)		47.00
GRAVEL+SAND	4.00	SILT/(SILT+CLAY)		51.04PCT.GRAV+SAND/SILT+CLAY				.04
LABELS SHEPARD	-CLAYEY	SILT FOLK (GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.92	1.92	**
5.50	8.65	10.58	*****
6.00	13.46	24.04	*****
6.50	12.50	36.54	*****
7.00	11.54	48.08	*****
7.50	9.62	57.69	*****
8.00	7.69	65.38	*****
8.50	5.77	71.15	*****
9.00	5.77	76.92	*****
9.50	4.81	81.73	*****
10.00	4.81	86.54	*****
10.50	1.92	88.46	**
11.00	1.92	90.38	**
11.50	.96	91.35	*
12.00	2.88	94.23	***
*****	5.77	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.34 1.71 .38 -.13

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.10	5TH	5.18	16TH	5.70	25TH	6.04
			75TH	8.83	84TH	9.74	95TH	*****

PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	65.38	(SEDIGRAPH)	34.62

GRAVEL+SAND .00 SILT/(SILT+CLAY) 65.38PCT.GRAV+SAND/SILT+CLAY .00

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

11/04/81

PHI	PCT.	CUMPCT.	
3.50			ASSUMED UPPER LIMIT
	3.82		****
4.00	4.58	3.82	*****
4.50	9.16	8.40	*****
5.00	9.16	17.56	*****
5.50	7.63	26.72	*****
6.00	7.63	34.35	*****
6.50	6.11	41.98	*****
7.00	6.11	48.09	*****
7.50	3.05	54.20	***
8.00	3.05	57.25	***
8.50	3.05	60.31	***
9.00	3.05	63.36	***
9.50	3.05	66.41	***
10.00	1.53	69.47	**
10.50	6.87	70.99	*****
11.00	8.40	77.86	*****
11.50	4.58	86.26	*****
12.00	9.16	90.84	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.42 2.51 .19 -1.23

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.16	5TH	4.13	16TH	4.92	25TH	5.41
			75TH	10.79	84TH	11.37	95TH	*****
PCT. GRAVEL	.00	SAND	3.82	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	53.44	(SEDIGRAPH)		42.75
GRAVEL+SAND	3.82	SILT/(SILT+CLAY)		55.56PCT.GRAV+SAND/SILT+CLAY				.04
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-MUD				(SCS)-MUD		

11/04/81

PHI	PCT.	CUM.PCT.	
3.50			
4.00	0.00	0.00	
4.50	1.28	1.28	*
5.00	0.00	1.28	
5.50	2.56	3.85	***
6.00	7.69	11.54	*****
6.50	11.54	23.08	*****
7.00	12.82	35.90	*****
7.50	14.10	50.00	*****
8.00	8.97	58.97	*****
8.50	6.41	65.38	*****
9.00	6.41	71.79	*****
9.50	5.13	76.92	*****
10.00	2.56	79.49	***
10.50	3.21	82.69	***
11.00	1.92	84.62	**
11.50	3.21	87.82	***
12.00	7.05	94.87	*****
****	5.13	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.88 1.84 .34 -.36

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	7.50	5TH	5.58	16TH	6.19	25TH	6.58
			75TH	9.31	84TH	10.84	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	58.97	(SEDIGRAPH)	41.03	
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	58.97		PCT.GRAV+SAND/SILT+CLAY	.00		
LABELS SHEPARD	-CLAYEY SILT FOLK (GMS)-MUD				(SCS)-MUD			

11/04/81

PHI	PCT.	CUMPCT.	
3.50	ASSUMED UPPER LIMIT		
	3.00		***
4.00	1.50	3.00	*
4.50	1.00	4.50	*
5.00	.50	5.50	
5.50	1.00	6.00	*
6.00	5.00	7.00	*****
6.50	8.50	12.00	*****
7.00	11.50	20.50	*****
7.50	13.00	32.00	*****
8.00	12.00	45.00	*****
8.50	12.00	57.00	*****
9.00	7.00	69.00	*****
9.50	7.00	76.00	*****
10.00	5.00	83.00	*****
10.50	5.00	88.00	*****
11.00	4.00	93.00	****
11.50	3.00	97.00	***
12.00	0.00	100.00	
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.26	1.76	-.13	.17
8.35	1.83	.03	1.19

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 4.0 TO 12.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	8.21	5TH	4.75	16TH	6.74	25TH	7.20
			75TH	9.43	84TH	10.10	95TH	11.25
PCT. GRAVEL	.00	SAND	3.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00	
				(SEDIGRAPH)	42.00	(SEDIGRAPH)	55.00	
GRAVEL+SAND	3.00	SILT/(SILT+CLAY)	43.30PCT.GRAV+SAND/SILT+CLAY				.03	
LABELS SHEPARD	-SILTY CLAY			FOLK(GMS)-MUD			(SCS)-MUD	

11/04/81

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.00	0.00	
5.50	0.00	0.00	
6.00	0.00	0.00	
6.50	0.00	0.00	
6.50	3.45	0.00	***
7.00		3.45	
7.50	10.34		*****
7.50	12.07	13.79	*****
8.00		25.86	*****
8.50	10.34		*****
8.50	12.07	36.21	*****
9.00		48.28	*****
9.50	7.76		*****
9.50	6.03	56.03	*****
10.00		62.07	*****
10.50	5.17		*****
10.50	3.45	67.24	***
11.00		70.69	***
11.50	2.59		***
11.50	1.72	73.28	**
12.00		75.00	*****
12.00	25.00		*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

8.70 1.25 .27 -.45

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 12.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	9.11	5TH	7.08	16TH	7.59	25TH	7.96
			75TH	12.00	84TH	*****	95TH	*****
PCT. GRAVEL	.00	SAND	0.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)		0.00
				(SEDIGRAPH)	25.86	(SEDIGRAPH)		74.14
GRAVEL+SAND	.00	SILT/(SILT+CLAY)	25.86	PCT.GRAV+SAND/SILT+CLAY				.00
LABELS SHEPARD	-SILTY CLAY	FOLK(GMS)-MUD				(SCS)-CLAY		

11/04/81

PHI	PCT.	CUMFCT.	
3.50	ASSUMED UPPER LIMIT		
	46.00		*****
4.00	24.00	46.00	*****
4.50	15.00	70.00	*****
5.00	4.00	85.00	****
5.50	.50	89.00	
6.00	1.00	89.50	*
6.50	.50	90.50	
7.00	1.00	91.00	*
7.50	.50	92.00	
8.00	.50	92.50	
8.50	1.00	93.00	*
9.00	.50	94.00	
9.50	.50	94.50	
10.00	.50	95.00	
10.50	.50	95.50	
11.00	.50	96.00	
11.50	.50	96.50	
12.00	3.00	97.00	***
*****		100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN	4.08	5TH*****	16TH*****	25TH*****	
			75TH	4.67	84TH 4.97	95TH 10.00
PCT. GRAVEL	.00	SAND 46.00	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
			(SEDIGRAPH)	46.50	(SEDIGRAPH)	7.50
GRAVEL+SAND	46.00	SILT/(SILT+CLAY)	86.11	PCT.GRAV+SAND/SILT+CLAY	.85	
LABELS SHEPARD	-SANDY SILT	FOLK(GMS)-SANDY MUD		(SCS)-SANDY SILT		

11/04/81

PHI	PCT. CUM PCT.	
3.50	ASSUMED UPPER LIMIT	*****
	16.33	*****
4.00	16.33	*****
	14.80	*****
4.50	31.12	*****
	15.31	*****
5.00	46.43	*****
	5.61	*****
5.50	52.04	****
	4.08	****
6.00	56.12	**
	2.04	**
6.50	58.16	****
	4.08	****
7.00	62.24	****
	4.08	****
7.50	66.33	****
	4.08	****
8.00	70.41	***
	3.06	***
8.50	73.47	****
	4.08	****
9.00	77.55	***
	3.06	***
9.50	80.61	****
	4.08	****
10.00	84.69	**
	1.53	**
10.50	86.22	**
	1.53	**
11.00	87.76	***
	2.55	***
11.50	90.31	***
	2.55	***
12.00	92.86	*****
	7.14	*****
*****	100.00	

NO STATISTICS ARE COMPUTED BECAUSE THE UPPER SIZE LIMIT IS ASSUMED AND THIS AFFECTS MORE THAN 5 PERCENT OF THE SAMPLE

PERCENTILES	MEDIAN	5.32	5TH*****	16TH*****	25TH	4.29	
			75TH	8.69	84TH	9.92	
					95TH*****		
PCT. GRAVEL	.00	SAND	16.33	SILT (PIPETTE)	0.00	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	54.08	(SEDIGRAPH)	29.59
GRAVEL+SAND	16.33	SILT/(SILT+CLAY)	64.63	PCT.GRAV+SAND/SILT+CLAY		.20	
LABELS SHEPARD	-CLAYEY	SILT FOLK(GMS)-SANDY MUD		(SCS)-SANDY MUD			