

**HYDRAULICS DIVISION
TECHNICAL NOTE**

DATE: August 1982 **REPORT NO:** 82-18

TITLE: Particle Size Data Report - Long Point

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REASON FOR REPORT: This report responds to a request for particle size data from John Coakley, Hydraulics Division under Study HD 343.

CORRESPONDENCE FILE NO:
5690 (Study No. 343)

1.0 INTRODUCTION

John Coakley, Hydraulics Division, submitted 75 samples of a core from Long Point to be analysed for sand, silt and clay percentages.

Three procedures were used to analyse the samples (Duncan and LaHaie, 1979).

2.0 PROCEDURES

(1) Sieve analysis which provides gravel, sand and silt/clay percentages was used to analyse 16 samples.

(2) The Sieve, Settling Tube, Pipette and Sedigraph Procedure, which provides gravel, sand, silt and clay percentages with 1/2 PHI resolution of the size classes, was used to analyse 69 samples. Briefly, the procedure consists of:

1. Splitting the sample to 20 g.
2. Sieving the split at 1/2 PHI (1.41 mm).
3. Dispersing the sample in 50 ml of Calgon solution (50 g/) and mixing it for 15 minutes.
4. Recovering a pipette aliquot of 25 ml for sedigraph analysis.
5. Automatic analysis by sedigraph.
6. Wet sieving the remaining suspension at 4.5 PHI (0.044 mm).
7. Resolving the sand residue with settling tube analysis.
8. Processing the results with SIZDIST: A Fortran IV computer program (Sandilands and Duncan, 1980).

(3) The Sieve, Short Pipette and Sedigraph Analyses, which provide sand, silt, and clay percentages with 1/2 PHI resolution on the silt and clay classes, was used to analyse 1 sample.

Briefly, the procedure consists of:

1. Splitting the sample to 20 g.
2. Dispersing the sample in 50 ml of Calgon solution (50 g/l) and mixing it for 15 minutes.
3. Recovering pipette aliquots of 25 ml for (a) sedigraph analysis (b) clay percentage.
4. Automatic analysis by sedigraph.
5. Processing the results with SIZDIST: A Fortran IV computer program (Sandilands and Duncan, 1980).

3.0 RESULTS

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

- (2) For the Sieve, Settling Tube, Pipette and Sedigraph Method, the output consists of:
 1. A histogram of the frequency distribution.
 2. The percentage and cumulative percentage of the material occurring within each 1/2 PHI unit.
 3. Moment measure statistics (Krumbein and Pettijohn, 1938).
 4. Percentiles.
 5. Percent gravel, sand, silt and clay. Percentages of silt and clay are expressed as "(PIPETTE)" and "(SEDIGRAPH)" to show reproducibility of the two methods.
 6. Ratios used to plot Folk's Ternary Classification.
 7. Shepard (1954) and Folk (1968) Ternary Classifications.

(3) For the Sieve, Short Pipette and Sedigraph analysis, the output consists of:

1. A histogram of the frequency distribution.
2. The percentage and cumulative percentage of the material occurring within each 1/2 PHI unit.
3. Moment measure statistics (Krumbein & Pettijohn, 1938).
4. Percentiles.
5. Percent gravel, sand, silt and clay. Percentages of silt and clay are expressed as "(PIPETTE)" and "(SEDIGRAPH)" to show reproducibility of the two methods.
6. Ratios used to plot Folk's Ternary Classification.
7. Shepard (1954) and Folk (1968) Ternary Classification.

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

LP 1-2 160682

SIEVE ONLY

SAMPLE WT.=147.8400

06/21/82

PHI PCT. CUMFCT.

-1.00			
-.50	.01	.01	
0.00	.01	.03	
.50	.21	.24	
1.00	.68	.91	*
1.50	2.23	3.14	**
2.00	30.81	33.05	*****
2.50	50.39	84.33	*****
3.00	12.82	97.16	*****
3.50	2.15	99.31	**
4.00	.38	99.69	
****	.31	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

2.15 .42 -.01 2.18 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -.5 TO 4.0 PHI

2.12 .41 -.03 1.03 FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 2.16 5TH 1.53 16TH 1.71 25TH 1.85 75TH 2.41 84TH 2.50 95TH 2.92

PCT. GRAVEL 0.00 SAND 99.69 SILT+CLAY .31

GRAVEL+SAND 99.69 GRAV+SAND/SILT+CLAY 320.39

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-

LP 1-5 B 140682

SIEVE ONLY

SAMPLE WT.=181.2900

PHI PCT. CUMPCT.

06/21/82

.50			
1.00	.10	.10	
1.50	2.08	2.18	**
2.00	19.15	21.32	*****
2.50	53.03	74.36	*****
3.00	17.71	92.06	*****
3.50	3.93	95.99	****
4.00	1.42	97.41	*
****	2.59	100.00	***

MEAN ST.DEV. SKEWNESS KURTOSIS

2.28	.44	.27	1.34	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 1.0 TO 4.0 PHI
2.30	.50	.16	1.53	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	2.27	5TH	1.57	16TH	1.86	25TH	2.03
			75TH	2.52	84TH	2.77	95TH	3.37

PCT. GRAVEL	0.00	SAND	97.41	SILT+CLAY	2.59
GRAVEL+SAND	97.41			GRAV+SAND/SILT+CLAY	37.57
LABELS SHEPARD -SAND		FOLK(GMS)-SAND		(SCS)-	

LP 2-1 T 300782

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 23.1140

07/30/82

PHI	FCT.	CUMFCT.	
-0.50			
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	.00	.00	
1.50	.00	.01	
2.00	.54	.54	*
2.50	2.97	3.51	***
3.00	2.97	6.49	***
3.50	.54	7.03	*
4.00	1.76	8.78	**
4.50	1.94	10.72	**
5.00	6.31	17.03	*****
5.50	14.07	31.10	*****
6.00	15.53	46.63	*****
6.50	11.64	58.27	*****
7.00	6.79	65.07	*****
7.50	6.79	71.86	*****
8.00	4.85	76.71	*****
8.50	2.91	79.62	***
9.00	2.91	82.53	***
9.50	2.43	84.96	**
10.00	1.46	86.41	*
10.50	1.94	88.36	**
11.00	.97	89.33	*
11.50	1.94	91.27	**
12.00	.97	92.24	*
****	7.76	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

6.30 2.00 .22 .51

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI

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

PERCENTILES	MEDIAN	6.14	5TH	2.75	16TH	4.92	25TH	5.28
			75TH	7.82	84TH	9.30	95TH	*****

PCT. GRAVEL	0.00	SAND	8.78	SILT (PIPETTE)	70.80	CLAY (PIPETTE)	20.42
				(SEDIGRAPH)	67.93	(SEDIGRAPH)	23.29

GRAVEL+SAND 8.78 SILT/(SILT+CLAY) 74.47 PCT.GRAV+SAND/SILT+CLAY .10

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

LP 2-3 210682

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 16.3395

06/30/82

PHI	FCT.	CUMPCT.	
- .50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	0.00	0.00	
1.50	.05	.05	
2.00	.82	.92	*
2.50	6.47	7.39	*****
3.00	20.34	27.73	*****
3.50	6.47	34.20	*****
4.00	2.77	36.97	***
4.50	1.19	38.16	*
5.00	.76	42.92	*****
5.50	10.70	53.62	*****
6.00	0.51	63.14	*****
6.50	7.13	70.27	*****
7.00	3.57	73.84	****
7.50	5.95	79.78	*****
8.00	4.76	84.54	*****
8.50	2.38	86.92	**
9.00	2.38	89.30	**
9.50	10.70	89.30	*****
10.00	100.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

4.83 1.94 .11 -1.18

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.33	5TH	2.31	15TH	2.71	25TH	2.93
			75TH	7.10	84TH	7.94	95TH	*****

PCT. GRAVEL	0.00	SAND	36.97	SILT (PIPETTE)	49.24	CLAY (PIPETTE)	13.78
				(SEDIGRAPH)	47.57	(SEDIGRAPH)	15.46

GRAVEL+SAND 36.97 SILT/(SILT+CLAY) 75.47 PCT.GRAV+SAND/SILT+CLAY .59

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

LP 2-5 B 140682

SIEVE ONLY

SAMPLE WT.= 58.5400

06/21/82

PHI FCT. CUMFCT.

-2.00			
-1.50	.20	.20	
-1.00	.26	.46	
-.50	.82	1.28	*
0.00	.56	1.84	*
.50	1.02	2.87	*
1.00	1.42	4.29	*
1.50	1.78	6.06	**
2.00	11.12	17.18	*****
2.50	31.47	48.65	*****
3.00	31.59	80.24	*****
3.50	9.60	89.84	*****
4.00	3.06	92.89	***
****	7.11	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

2.39 .75 -.89 6.18 Krumbein + Pettijohn (1938) Moment Measures
 for size range -1.5 to 4.0 phi

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

PERCENTILES	MEDIAN	2.52	5TH	1.20	16TH	1.95	25TH	2.12
			75TH	2.92	84TH	3.20	95TH	*****

PCT. GRAVEL .46 SAND 92.43 SILT+CLAY 7.11
 GRAVEL+SAND 92.89 GRAV+SAND/SILT+CLAY 13.07
 LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-

LP 3-2 140682

SIEVE ONLY

SAMPLE WT.=131.6700

06/21/82

PHI PCT. CUMFCT.

-2.00		
-1.50	.08	.08
-1.00	0.00	.08
-.50	.08	.16
0.00	.14	.30
.50	.31	.61
1.00	.55	1.15
1.50	2.82	3.97
2.00	15.18	19.16
2.50	36.94	56.09
3.00	29.30	85.39
3.50	8.21	93.61
4.00	2.02	95.62
****	4.38	100.00

*

 **

MEAN ST.DEV. SKEWNESS KURTOSIS

2.39	.56	-.36	3.99
2.43	.62	.13	1.27

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 4.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	2.42	5TH	1.53	16TH	1.90	25TH	2.08
			75TH	2.82	84TH	2.98	95TH	3.85

PCT. GRAVEL .08 SAND 95.55 SILT+CLAY 4.38

GRAVEL+SAND 95.62 GRAV+SAND/SILT+CLAY 21.85

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-

LP 3-5 140682

SIEVE ONLY

SAMPLE WT.=171.0700

06/23/82

PHI PCT. CUMPCT.

-4.00			
-3.50	.77	.77	*
-3.00	.22	.99	
-2.50	0.00	.99	
-2.00	0.00	.99	
-1.50	0.00	.99	
-1.00	.02	1.01	
-.50	.06	1.07	
0.00	.03	1.10	
.50	.06	1.16	
1.00	.13	1.29	
1.50	.93	2.22	*
2.00	13.39	15.61	*****
2.50	58.60	74.21	*****
3.00	20.65	94.86	*****
3.50	3.42	98.28	***
4.00	.58	98.85	*
****	1.15	100.00	*

MEAN ST. DEV. SKEWNESS KURTOSIS

2.26	.71	-2.84	45.30
2.34	.40	.12	1.32

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
FOR SIZE RANGE -3.5 TO 4.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS
FOLK AND WARD, 1957

PERCENTILES	MEDIAN	2.29	5TH	1.60	16TH	2.00	25TH	2.03
			75TH	2.52	84TH	2.74	95TH	3.02

PCT. GRAVEL	1.01	SAND	97.85	SILT+CLAY	1.15
GRAVEL+SAND	98.85			GRAV+SAND/SILT+CLAY	86.28

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-

LP 3-7 B 140682

SIEVE ONLY

SAMPLE WT.=154.0600

PHI PCT. CUM PCT.

06/21/82

-2.00		
-1.50	.05	.05
-1.00	.05	.10
-.50	.06	.16
0.00	.06	.21
.50	.71	.93
1.00	.23	1.16
1.50	4.12	5.28
2.00	46.40	51.69
2.50	34.95	86.64
3.00	7.09	93.73
3.50	2.38	96.11
4.00	3.85	99.95
****	.05	100.00

*

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MEAN ST.DEV. SKEWNESS KURTOSIS

2.07	.56	.28	4.24
2.02	.48	.28	1.19

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 4.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	1.98	5TH	1.47	16TH	1.62	25TH	1.71
			75TH	2.33	84TH	2.46	95TH	3.27

PCT. GRAVEL .10 SAND 99.86 SILT+CLAY .05

GRAVEL+SAND 99.95

GRAV+SAND/SILT+CLAY 2198.29

LABELS SHEPARD -SAND

FOLK(GMS)-SAND

(SGS)-

LP 4A-1 T 140682

SIEVE ONLY

SAMPLE WT. = 61.7900

06/21/82

PHI PCT. CUMFCT.

-2.00		
-1.50	.18	.18
-1.00	0.00	.18
-.50	.23	.40
0.00	.18	.58
.50	.28	.86
1.00	.31	1.17
1.50	1.02	2.18
2.00	3.75	5.94
2.50	22.20	28.14
3.00	56.29	84.43
3.50	9.79	94.22
4.00	2.15	96.37
****	3.63	100.00

*

**

MEAN ST.DEV. SKEWNESS KURTOSIS

2.62 .51 -1.29 16.29

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 4.0 PHI

2.64 .47 -.06 1.52

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	2.59	5TH	1.87	16TH	2.23	25TH	2.43
			75TH	2.92	84TH	3.00	95TH	3.68

PCT. GRAVEL .18 SAND 96.20 SILT+CLAY 3.63

GRAVEL+SAND 96.37

GRAV+SAND/SILT+CLAY 26.58

LABELS SHEPARD -SAND

FOLK(GMS)-SAND

(SCS)-

07/30/82

PHI	PCT.	CUMPCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	.00	0.00	
1.50	.17	.00	
2.00	.18	.18	
2.50	1.06	.35	*
3.00	6.74	1.42	*****
3.50	15.25	8.16	*****
4.00	4.94	23.41	*****
4.50	17.30	28.35	*****
5.00	17.30	45.64	*****
5.50	11.53	62.94	*****
6.00	6.59	74.47	*****
6.50	3.29	81.06	***
7.00	4.12	84.35	****
7.50	2.47	88.47	**
8.00	1.24	90.94	*
8.50	2.06	92.18	**
9.00	5.77	94.23	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

5.13 1.32 .30 .18 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN 5.13	5TH 3.27	16TH 3.75	25TH 4.16
		75TH 6.04	84TH 6.95	95TH*****
PCT. GRAVEL	0.00	SAND 23.41	SILT (PIPETTE) 69.45	CLAY (PIPETTE) 7.14
			(SEDIGRAPH) 67.53	(SEDIGRAPH) 9.06
GRAVEL+SAND	23.41	SILT/(SILT+CLAY)	88.17	PCT.GRAV+SAND/SILT+CLAY .31
LABELS SHEPARD	-SANDY SILT	FOLK (GMS)	-SANDY MUD	(SCS)-SANDY SILT

LP 4-1 T 140682

SIEVE ONLY

SAMPLE WT.= 41.4900

PHI PCT. CUMPCT.

08/19/82

-3.00	1.78	1.78	**
-2.50	.17	1.95	*
-2.00	.60	2.55	*
-1.50	0.00	2.55	*
-1.00	.41	2.96	*
-.50	.51	3.47	*
0.00	.58	4.05	*
.50	.84	4.89	*
1.00	.72	5.62	*
1.50	4.72	10.34	*****
2.00	12.20	22.54	*****
2.50	33.21	55.75	*****
3.00	28.49	84.24	*****
3.50	6.63	90.87	*****
4.00	9.13	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

2.63 1.09 -1.60 12.00

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 4.0 PHI

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

PERCENTILES	MEDIAN	2.91	5TH	1.07	16TH	2.23	25TH	2.54
			75TH	3.34	84TH	3.50	95TH	*****

PCT. GRAVEL 2.55 SAND 88.31 SILT+CLAY 9.13

GRAVEL+SAND 90.87

GRAV+SAND/SILT+CLAY 9.95

LABELS SHEPARD -SAND

FOLK(5MS)-SAND

(SCS)-

LP 4-3 B 140682

SIEVE ONLY

SAMPLE WT.= 93.0700

06/21/82

PHI PCT. CUMPCT.

-1.00		
-0.50	.04	.04
0.00	.04	.09
.50	.03	.12
1.00	.05	.17
1.50	.11	.28
2.00	.46	.74
2.50	17.26	18.00
3.00	64.00	82.01
3.50	10.96	92.97
4.00	2.69	95.66
****	4.34	100.00

MEAN ST.DEV. SKEWNESS KURTOSIS

2.73	.35	-.28	9.01
2.76	.43	.17	1.84

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -.5 TO 4.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	2.75	5TH	2.12	15TH	2.44	25TH	2.55
			75TH	2.95	84TH	3.09	95TH	3.88

PCT. GRAVEL 0.00 SAND 95.66 SILT+CLAY 4.34

GRAVEL+SAND 95.66

GRAV+SAND/SILT+CLAY 22.03

LABELS SHEPARD -SAND

FOLK(GMS)-SAND

(SCS)-

LP 5-1 T 210682

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 20.3155

06/30/82

PHI	FCT.	CUM.PCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	.03	0.00	
1.00	.03	.03	
1.50	.47	.05	
2.00	.39	.52	
2.50	.92	.92	*
3.00	1.31	1.83	*
3.50	7.07	3.14	*****
4.00	4.57	10.21	*****
4.50	12.18	14.77	*****
5.00	13.70	26.95	*****
5.50	10.65	40.64	*****
6.00	12.18	51.30	*****
6.50	7.61	63.47	*****
7.00	6.09	71.03	*****
7.50	6.09	77.17	*****
8.00	3.04	83.26	***
8.50	3.04	86.30	***
9.00	10.65	89.35	*****
*****	100.00	100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

5.77 1.42 .02 -.27

KRUMBEIN + PETTITJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN 5.94	5TH 3.63	16TH 4.55	25TH 4.92
		75TH 7.32	84TH 8.12	95TH*****

PCT. GRAVEL	0.00	SAND	10.21	SILT (PIPETTE)	78.10	CLAY (PIPETTE)	11.70
				(SEDIGRAPH)	73.05	(SEDIGRAPH)	16.74

GRAVEL+SAND 10.21 SILT/(SILT+CLAY) 81.36 PCT. GRAV+SAND/SILT+CLAY .11

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

LP 5-3 B 210682

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH

SAMPLE WT. = 19.3499

06/30/82

PHI	PCT.	CUMPCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
0.50	0.03	0.03	
1.00	.12	.15	
1.50	.45	.60	
2.00	1.04	1.64	*
2.50	1.34	2.98	*
3.00	2.39	5.37	**
3.50	8.35	13.72	*****
4.00	3.81	17.52	****
4.50	15.23	32.75	*****
5.00	13.96	46.71	*****
5.50	10.15	56.86	*****
6.00	8.88	65.74	*****
6.50	3.81	69.55	****
7.00	6.34	75.89	*****
7.50	5.08	80.97	*****
8.00	2.54	83.50	***
8.50	2.54	86.04	***
9.00	13.96	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

5.53 1.47 .07 -.23

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH
	5.56	3.42	4.30	4.75
		75TH	84TH	95TH*****
		7.43	8.60	

PCT. GRAVEL	0.00	SAND	13.72	SILT (PIPETTE)	70.05	CLAY (PIPETTE)	16.24
				(SEDIGRAPH)	67.25	(SEDIGRAPH)	19.03

GRAVEL+SAND 13.72 SILT/(SILT+CLAY) 77.94 PCT. GRAV+SAND/SILT+CLAY .16

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

COMMENTS - ORGANIC DETRITUS PRESENT

07/30/82

PHI	PCT.	CUM PCT.	
3.50	0.00	0.00	
4.00	1.02	1.02	*
4.50	9.18	10.20	*****
5.00	27.55	37.76	*****
5.50	24.49	62.24	*****
6.00	11.22	73.47	*****
6.50	6.12	79.59	*****
7.00	4.59	84.18	*****
7.50	3.57	87.76	**
8.00	2.04	89.80	**
8.50	2.04	91.84	*****
9.00	8.16	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

5.89 .94 .58 1.04 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 4.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.75	5TH	4.72	16TH	5.11	25TH	5.27
			75TH	6.63	84TH	7.48	95TH	*****
PCT. GRAVEL	0.00	SAND	-0.00	SILT (PIPETTE)	87.53	CLAY (PIPETTE)	12.47	
				(SEDIGRAPH)	87.76	(SEDIGRAPH)	12.24	
GRAVEL+SAND	-0.00	SILT/(SILT+CLAY)	87.76	PCT.GRAV+SAND/SILT+CLAY	-0.00			
LABELS SHEPARD	-SILT	FOLK(5MS)-MUD		(SGS)-SILT				

LP 6-4 210682

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH

SAMPLE WT. = 24.7822

06/30/82

PHI	FCT.	CUMFCT.	
- .50	0.00		
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	.04	0.00	
1.50	.37	.04	
2.00	.41	.41	
2.50	.41	.81	
3.00	.61	1.22	*
3.50	1.02	2.03	*
4.00	.99	3.05	*
4.50	4.95	4.04	*****
5.00	16.82	8.99	*****
5.50	10.79	25.80	*****
6.00	16.82	45.59	*****
6.50	7.91	62.41	*****
7.00	6.43	70.32	*****
7.50	4.45	76.75	****
8.00	3.96	81.20	****
8.50	1.98	85.16	**
9.00	.99	87.14	*
9.50	11.87	88.13	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

6.10 1.19 .01 1.25

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.5 PHI

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

PERCENTILES	MEDIAN	6.13	5TH	4.60	16TH	5.21	25TH	5.48
			75TH	7.36	84TH	8.35	95TH	*****
PCT. GRAVEL	0.00	SAND	3.05	SILT (PIPETTE)	81.62	CLAY (PIPETTE)	15.33	
				(SEDIGRAPH)	76.15	(SEDIGRAPH)	18.80	
GRAVEL+SAND	3.05	SILT/(SILT+CLAY)	80.61	PCT.GRAV+SAND/SILT+CLAY			.03	

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

COMMENTS - ORGANIC DETRITUS PRESENT

07/30/82

PHI	PCT. CUM PCT.	
3.50	0.00	
4.00	1.02	*
4.50	1.02	
5.00	9.18	*****
5.50	20.41	*****
6.00	30.61	*****
6.50	51.02	*****
7.00	63.27	*****
7.50	71.43	*****
8.00	77.55	***
8.50	80.61	***
9.00	83.67	***
9.50	86.73	**
10.00	88.78	**
10.50	90.31	**
11.00	91.84	*
11.50	92.86	**
12.00	94.90	*
****	95.92	****
****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

6.46 1.64 .72 1.54

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

6.56 1.89 .57 1.45

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 5.98 5TH 4.72 16TH 5.14 25TH 5.36
75TH 7.29 84TH 8.55 95TH 11.55

PCT. GRAVEL 0.00 SAND -.00 SILT (PIPETTE) 83.80 CLAY (PIPETTE) 16.20
(SEDIGRAPH) 80.61 (SEDIGRAPH) 19.39

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 80.61 PCT.GRAV+SAND/SILT+CLAY -.00

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

LP 7-2 190782

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT. = 21.0347

07723/82

PHI	PCT. COMPCT.	
3.50	0.00	
4.00	0.00	*
4.50	.51	***
5.00	2.55	*****
5.50	8.16	*****
6.00	12.24	*****
6.50	23.47	*****
7.00	35.71	*****
7.50	45.92	*****
8.00	57.14	*****
8.50	64.29	*****
9.00	69.39	*****
9.50	74.49	***
10.00	77.55	***
10.50	80.61	**
11.00	82.65	**
11.50	84.69	**
12.00	86.73	*
*****	87.76	*****
*****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.21 1.66 .40 .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 7.16	5TH 5.12	16TH 5.70	25TH 6.06
		75TH 9.03	84TH 10.63	95TH*****
PCT. GRAVEL	0.00	SAND -.00	SILT (PIPETTE) 70.71	CLAY (PIPETTE) 29.29
			(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(3MS)-MUD		(SCS)-MUD

LP 7-5 B 190782

SIEVE, SH. PIP., SEDIGRAPH

SAMPLE WT.= 26.0354

07/23/82

PHI	FCT.	COMPCT.	
3.50	0.00	0.00	
4.00	0.00	0.00	
4.50	2.56	0.00	***
5.00	10.26	2.56	*****
5.50	11.54	12.82	*****
6.00	12.82	24.36	*****
6.50	12.82	37.18	*****
7.00	12.82	50.00	*****
7.50	6.41	62.82	*****
8.00	5.13	69.23	*****
8.50	5.13	74.36	*****
9.00	2.56	79.49	***
9.50	2.56	82.05	***
10.00	2.56	84.62	***
10.50	1.28	87.18	*
11.00	1.92	88.46	**
11.50	1.92	90.38	**
12.00	7.69	92.31	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.17 1.65 .47 .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	7.00	5TH	5.12	16TH	5.64	25TH	6.03
			75TH	6.56	84TH	9.88	95TH	*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	73.71	CLAY (PIPETTE)	26.29
				(SEDIGRAPH)	69.23	(SEDIGRAPH)	30.77

GRAVEL+SAND	-.00	SILT/(SILT+CLAY)	69.23	PCT.GRAV+SAND/SILT+CLAY	-.00
LABELS SHEPARD -CLAYEY SILT FOLK(3MS)-MUD			(SCS)-SILT		

LP 8A-1 T 140682

SIEVE ONLY

SAMPLE WT.= 80.4100

06/21/82

PHI PCT. CUM PCT.

-2.00			
-1.50	.05	.05	
-1.00	.47	.52	
-.50	.65	1.17	*
0.00	.45	1.62	
.50	.66	2.28	*
1.00	.61	2.89	*
1.50	1.16	4.04	*
2.00	3.13	7.18	***
2.50	10.21	17.39	*****
3.00	32.33	49.72	*****
3.50	2.49	52.21	**
4.00	36.72	88.93	*****
****	11.07	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

2.97 .88 -.89 5.16

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 4.0 PHI

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

PERCENTILES	MEDIAN	3.06	5TH	1.65	16TH	2.43	25TH	2.62
			75TH	3.81	84TH	3.93	95TH	****

PCT. GRAVEL .52 SAND 88.41 SILT+CLAY 11.07
 GRAVEL+SAND 88.93 GRAV+SAND/SILT+CLAY 8.03
 LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-

LP 8A-3 B 210682

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH

SAMPLE WT. = 19.6536

06/30/82

PHI	PCT.	CUMFCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	.09	0.00	
1.50	.09	.09	
2.00	1.60	.18	**
2.50	15.59	1.78	*****
3.00	41.43	17.37	*****
3.50	14.26	58.81	*****
4.00	.90	73.06	*
4.50	.45	73.96	
5.00	3.14	74.41	***
5.50	3.50	77.55	****
6.00	3.14	81.14	***
6.50	2.24	84.29	**
7.00	2.69	86.53	***
7.50	1.80	89.23	**
8.00	1.50	91.02	**
8.50	.90	92.82	*
9.00	6.29	93.71	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

3.94 1.50 .81 1.58 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN 3.39	5TH 2.60	16TH 2.95	25TH 3.09
		75TH 5.09	84TH 6.45	95TH*****

PCT. GRAVEL	0.00	SAND 73.06	SILT (PIPETTE) 21.42	CLAY (PIPETTE) 5.52
			(SEDIGRAPH) 17.96	(SEDIGRAPH) 8.98

GRAVEL+SAND 73.06 SILT/(SILT+CLAY) 66.67 PCT. GRAV+SAND/SILT+CLAY 2.71

LABELS SHEPARD -SILTY SAND FOLK (GMS) -MUDDY SAND (SCS) -SILTY SAND

LP 8-1 T 140682

SIEVE ONLY

SAMPLE WT. = 66.2400

PHI PCT. CUMFCT.

06/21/82

-2.00			
-1.50	.44	.44	
-1.00	0.00	.44	
-.50	.54	.98	*
0.00	.72	1.71	*
.50	.92	2.63	*
1.00	.91	3.53	*
1.50	1.46	5.00	*
2.00	3.03	8.03	***
2.50	6.76	14.79	*****
3.00	32.34	47.13	*****
3.50	32.07	79.20	*****
4.00	10.08	89.28	*****
****	10.72	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

2.83 .80 -1.25 8.79

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 4.0 PHI

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

PERCENTILES	MEDIAN	3.04	5TH	1.50	16TH	2.52	25TH	2.66
			75TH	3.43	84TH	3.74	95TH	*****

PCT. GRAVEL .44 SAND 88.84 SILT+CLAY 10.72
 GRAVEL+SAND 89.28 GRAV+SAND/SILT+CLAY 8.33
 LABELS SHEPARD -SAND FOLK(3MS)-MUDDY SAND (SCS)-

LP 8-3 B

SIEVE ONLY

SAMPLE WT.= 97.9400

06/21/82

PHI	PCT.	CUM PCT.	
-1.00			
	.31	.31	
-.50	1.56	1.87	**
0.00	1.49	3.36	*
.50	1.14	4.50	*
1.00	1.07	5.57	*
1.50	1.67	7.25	**
2.00	4.23	11.48	****
2.50	20.28	31.75	*****
3.00	41.44	73.20	*****
3.50	16.06	89.26	*****
4.00	10.74	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

2.97 .81 -1.17 6.15

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -.5 TO 4.0 PHI

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

PERCENTILES	MEDIAN 3.22	5TH 1.23	16TH 2.61	25TH 2.83
		75TH 3.55	84TH 3.84	95TH*****

PCT. GRAVEL 0.00 SAND 89.26 SILT+CLAY 10.74

GRAVEL+SAND 89.26 GRAV+SAND/SILT+CLAY 8.31

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-

LP 9-2 210682

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 19.2653

06/30/82

PHI	PCT.	CUM PCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	.01	0.01	
1.50	.41	.41	
2.00	.83	1.24	*
2.50	12.86	13.10	*****
3.00	29.88	46.21	*****
3.50	16.60	62.81	*****
4.00	.62	63.43	*
4.50	1.85	65.28	**
5.00	3.70	69.00	****
5.50	4.93	73.93	*****
6.00	6.16	80.09	*****
6.50	4.93	85.02	*****
7.00	4.31	89.33	****
7.50	3.08	92.41	***
8.00	1.23	93.64	*
8.50	2.46	96.10	**
9.00	6.16	102.26	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

4.42 1.74 .47 -.41 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	3.68	5TH	2.65	16TH	3.03	25TH	3.13
			75TH	6.27	84TH	7.14	95TH	*****

FCT. GRAVEL	0.00	SAND	60.58	SILT (PIPETTE)	32.82	CLAY (PIPETTE)	6.60
				(SEDIGRAPH)	29.56	(SEDIGRAPH)	9.85

GRAVEL+SAND 60.58 SILT/(SILT+CLAY) 75.00PCT.GRAV+SAND/SILT+CLAY 1.54

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

LP 9-3 160682

SIEVE ONLY

SAMPLE WT.=143.9700

06/21/82

PHI PCT. CUMFCT.

-1.00			
-0.50	.52	.52	*
0.00	.95	1.47	*
.50	.81	2.29	*
1.00	.53	2.82	*
1.50	.42	3.24	
2.00	.37	3.61	
2.50	1.66	5.27	**
3.00	11.07	16.34	*****
3.50	46.98	63.33	*****
4.00	20.41	83.73	*****
****	16.27	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

3.16 .71 -1.65 13.01

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -.5 TO 4.0 PHI

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

PERCENTILES	MEDIAN	3.36	5TH	2.42	16TH	2.98	25TH	3.09
			75TH	3.79	84TH	*****	95TH	*****

PCT. GRAVEL 0.00 SAND 83.73 SILT+CLAY 16.27

GRAVEL+SAND 83.73 GRAV+SAND/SILT+CLAY 5.15

LABELS SHEPARD -SAND FOLK (GMS)-MUDDY SAND (SCS)-

LP 9-5 B 140682

SIEVE ONLY

SAMPLE WT.= 96.8800

06/21/82

PHI PCT. CUMPCT.

-1.00			
	.99		*
-.50		.99	****
	4.19		
0.00		5.18	***
	3.08		
.50		8.26	**
	1.98		
1.00		10.24	**
	1.58		
1.50		11.82	**
	1.61		
2.00		13.43	**
	2.23		
2.50		15.66	*****
	9.63		
3.00		25.29	*****
	39.88		*****
3.50		65.17	*****
	20.24		*****
4.00		85.41	*****
	14.59		*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

2.84 1.15 -.90 2.06

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -.5 TO 4.0 PHI

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

PERCENTILES	MEDIAN	3.31	5TH	-.02	16TH	2.52	25TH	2.98
			75TH	3.74	84TH	3.97	95TH	*****

PCT. GRAVEL 0.00 SAND 85.41 SILT+CLAY 14.59

GRAVEL+SAND 85.41 GRAV+SAND/SILT+CLAY 5.86

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-

LP 10-2 140682

SIEVE ONLY

SAMPLE WT.=189.9900

06/21/82

PHI FCT. CUMFCT.

-1.50			
-1.00	.07	.07	
-.50	.03	.09	
0.00	.67	.76	*
.50	.59	1.35	*
1.00	.52	1.87	*
1.50	.31	2.18	
2.00	.46	2.64	*
2.50	.75	3.39	*
3.00	5.76	9.15	*****
3.50	58.63	67.78	*****
4.00	16.67	84.46	*****
*****	15.54	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

3.22 .57 -2.01 29.60 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE -1.0 TO 4.0 PHI

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

PERCENTILES	MEDIAN	3.35	5TH	2.64	16TH	3.06	25TH	3.14
			75TH	3.72	84TH	3.99	95TH	*****

PCT. GRAVEL .07 SAND 84.39 SILT+CLAY 15.54

GRAVEL+SAND 84.46 GRAV+SAND/SILT+CLAY 5.43

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-

LP 10-4 190782

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 35.2214

07/23/82

PHI	PCT. CUMFCT.		
-0.50	0.00		
0.00	0.00	0.00	
.50	.05	0.00	
1.00	.05	.05	
1.50	.16	.11	
2.00	.26	.26	
2.50	.53	.53	
3.00	1.58	2.11	**
3.50	23.22	25.34	*****
4.00	36.95	62.28	*****
4.50	1.26	63.54	*
5.00	6.91	70.46	*****
5.50	6.29	76.74	*****
6.00	4.40	81.14	****
6.50	3.14	84.29	***
7.00	1.89	86.17	**
7.50	2.51	88.69	***
8.00	1.89	90.57	**
8.50	.63	91.20	*
9.00	1.26	92.46	*
9.50	.63	93.09	*
10.00	.63	93.71	*
10.50	.31	94.34	*
11.00	.31	94.66	*
11.50	.63	94.97	*
12.00	4.40	95.60	****
*****	100.00		

MEAN ST. DEV. SKEWNESS KURTOSIS

4.50	1.71	.95	3.74	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI
4.53	2.07	.74	1.86	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	3.83	5TH	3.06	16TH	3.30	25TH	3.49
			75TH	5.35	84TH	6.45	95TH	11.52

PCT. GRAVEL	0.00	SAND	62.28	SILT (PIPETTE)	31.32	CLAY (PIPETTE)	6.40
				(SEDIGRAPH)	28.29	(SEDIGRAPH)	9.43

GRAVEL+SAND 62.28 SILT/(SILT+CLAY) 75.00PCT. GRAV+SAND/SILT+CLAY 1.65
 LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

06/30/82

PHI	FCT.	CUMFCT.	
- .50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	0.00	0.00	
1.50	.03	0.00	
2.00	.14	.03	
2.50	.52	.17	*
3.00	10.32	.69	*****
3.50	27.85	11.00	*****
4.00	9.78	38.86	*****
4.50	20.39	48.64	*****
5.00	9.78	68.02	*****
5.50	5.71	78.90	*****
6.00	3.26	84.51	***
6.50	3.26	87.77	***
7.00	2.04	91.03	**
7.50	2.04	93.07	**
8.00	.82	95.11	*
8.50	1.63	95.92	**
9.00	2.45	97.96	**
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

4.68 1.25 .61 1.31

KRUMBEIN + PETTIJOHN (1936) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

4.69 1.31 .32 1.26

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	4.53	5TH	3.21	16TH	3.59	25TH	3.75
			75TH	5.31	84TH	5.95	95TH	7.97

PCT.	GFAVEL	0.00	SAND	38.86	SILT (PIPETTE)	58.21	CLAY (PIPETTE)	2.94
					(SEDIGRAPH)	56.25	(SEDIGRAPH)	4.89

GRAVEL+SAND 38.86 SILT/(SILT+CLAY) 92.00 PCT. GRAV+SAND/SILT+CLAY .64

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

06/30/82

PHI	PCT. CUMFCT.	
-0.50	0.00	
0.00	0.00	
.50	.04	
1.00	.02	
1.50	.02	
2.00	.11	
2.50	.18	
3.00	.36	*
3.50	1.05	*
4.00	15.13	*****
4.50	24.49	*****
5.00	41.05	*****
5.50	49.70	*****
6.00	69.74	*****
6.50	79.57	*****
7.00	85.07	***
7.50	88.21	***
8.00	91.35	**
8.50	93.32	**
9.00	95.28	*
9.50	98.07	**
10.00	97.84	**
*****	100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

4.61 1.28 .57 1.24 KRUMBEIN + PETTICORN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

4.63 1.33 .29 1.24 FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	4.51	5TH	3.12	16TH	3.43	25TH	3.67
			75TH	5.27	84TH	5.90	95TH	7.93

PCT. GRAVEL	0.00	SAND	41.05	SILT (PIPETTE)	56.19	CLAY (PIPETTE)	2.76
				(SEDIGRAPH)	54.23	(SEDIGRAPH)	4.72

GRAVEL+SAND 41.05 SILT/(SILT+CLAY) 92.00 PCT. GRAV+SAND/SILT+CLAY .70

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

LP 11-6 B 3000782

SIEVE,SETT.TUBE,PIPET,SEDIGRAPH

SAMPLE WT.= 19.9602

07/30/82

PHI	PCT.	CUMFCT.	
-0.50			
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	0.00	0.00	
1.50	0.00	0.00	
2.00	.15	.15	
2.50	.07	.22	
3.00	.22	.44	
3.50	4.29	4.73	****
4.00	12.12	16.85	*****
4.50	5.47	22.32	*****
5.00	20.79	43.11	*****
5.50	18.60	61.71	*****
6.00	10.94	72.65	*****
6.50	6.56	79.21	*****
7.00	3.28	82.50	***
7.50	3.28	85.78	***
8.00	2.19	87.97	**
8.50	2.19	90.15	**
9.00	1.09	91.25	*
****	8.75	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

5.20 1.22 .34 .47

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH
	5.19	3.51	3.96	4.56
		75TH	84TH	95TH*****
		6.18	7.23	

PCT. GRAVEL	0.00	SAND	16.85	SILT (PIPETTE)	74.46	CLAY (PIPETTE)	8.69
				(SEDIGRAPH)	71.11	(SEDIGRAPH)	12.03

GRAVEL+SAND 16.85 SILT/(SILT+CLAY) 85.53PCT.GRAV+SAND/SILT+CLAY .20

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

LP 12-1 T 140682

SIEVE ONLY

SAMPLE WT.= 53.4100

PHI PCT. CUMPCT.

06/21/82

-2.00			*
-1.50	.97	.97	*
-1.00	0.00	.97	*
-.50	1.44	2.42	*
0.00	1.29	3.71	*
.50	1.35	5.06	**
1.00	1.76	6.82	**
1.50	2.25	9.06	***
2.00	3.22	12.28	****
2.50	5.77	18.05	*****
3.00	20.95	39.00	*****
3.50	34.41	73.41	*****
4.00	14.40	87.81	*****
****	12.19	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

2.77 1.05 -1.08 4.92 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 4.0 PHI

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

PERCENTILES	MEDIAN	3.16	5TH	.48	16TH	2.32	25TH	2.67
			75TH	3.55	84TH	3.67	95TH	*****

PCT. GRAVEL .97 SAND 86.84 SILT+CLAY 12.19
 GRAVEL+SAND 87.81 GRAV+SAND/SILT+CLAY 7.20
 LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-

06/30/82

PHI	FCT.	CUMFCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	.05	.05	
1.00	.05	.05	
1.50	.16	.11	
2.00	.27	.27	
2.50	2.71	.54	***
3.00	19.54	3.26	*****
3.50	21.17	22.80	*****
4.00	5.60	43.98	*****
4.50	13.07	49.58	*****
5.00	6.40	52.85	*****
5.50	5.60	71.05	*****
6.00	3.73	76.66	****
6.50	3.73	80.39	****
7.00	4.67	84.13	*****
7.50	1.87	88.80	**
8.00	1.87	90.66	**
8.50	2.00	92.53	***
9.00	4.67	95.33	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

4.72 1.54 .46 .07 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES
 FOR SIZE RANGE 0.0 TO 9.0 PHI
 4.94 1.81 .42 1.05 FOLK GRAPHIC STATISTICAL PARAMETERS
 FOLK AND WARD, 1957

PERCENTILES	MEDIAN	3TH	16TH	25TH
	4.52	3.04	3.33	3.55
		75TH	84TH	95TH
		5.85	6.93	6.94
FCT. GRAVEL	0.00	SAND 43.98	SILT (PIPETTE) 49.59	CLAY (PIPETTE) 6.44
			(SEDIGRAPH) 46.89	(SEDIGRAPH) 9.34
GRAVEL+SAND	43.98	SILT/(SILT+CLAY) 83.33PCT. GRAV+SAND/SILT+CLAY		.78
LABELS SHEPARD -SANDY SILT		FOLK (GMS) -SANDY MUD		(SCS) -SANDY SILT

07/30/82

PHI	PCT.	CUMPCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	0.00	0.00	
1.50	.03	.03	
2.00	.10	.13	
2.50	.13	.25	
3.00	1.75	2.01	**
3.50	15.79	17.80	*****
4.00	23.81	41.61	*****
4.50	6.39	48.00	*****
5.00	12.77	60.77	*****
5.50	8.21	68.98	*****
6.00	6.39	75.37	*****
6.50	4.56	79.93	*****
7.00	4.56	84.49	*****
7.50	3.65	88.14	****
8.00	3.65	91.79	****
8.50	1.82	93.61	**
9.00	1.82	95.44	**
****	4.56	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

4.81 1.50 .43 -.15 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

4.99 1.75 .42 1.02 FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	4.58	5TH	3.09	16TH	3.44	25TH	3.65
			75TH	5.97	84TH	6.95	95TH	8.88

PCT. GRAVEL	0.00	SAND	41.61	SILT (PIPETTE)	50.44	CLAY (PIPETTE)	7.95
				(SEDIGRAPH)	50.18	(SEDIGRAPH)	8.21

GRAVEL+SAND 41.61 SILT/(SILT+CLAY) 85.94 PCT. GRAV+SAND/SILT+CLAY .71

LABELS SHEPARD -SANDY SILT FOLK (MS) -SANDY MUD (SCS) -SANDY SILT

06/30/32

PHI	PCT. CORRECT.		
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	.06	0.00	
1.50	.50	.06	
2.00	.55	.55	
2.50	2.75	1.10	***
3.00	12.33	3.85	*****
3.50	15.13	16.23	*****
4.00	3.57	31.37	****
4.50	10.70	34.93	*****
5.00	10.70	45.63	*****
5.50	8.61	56.32	*****
6.00	6.24	65.24	*****
6.50	3.57	71.49	****
7.00	5.35	75.02	*****
7.50	3.57	80.39	****
8.00	2.67	83.96	***
8.50	2.23	86.63	**
9.00	11.14	88.86	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

5.06 1.60 .23 -.81 KRUMBEIN + PETTICORN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.20	5TH	3.05	16TH	3.49	25TH	3.79
			75TH	6.99	84TH	6.01	95TH	*****
PCT. GRAVEL	0.00	SAND	31.37	SILT (PIPETTE)	58.42	CLAY (PIPETTE)	10.21	
				(SEDIGRAPH)	52.59	(SEDIGRAPH)	16.04	

GRAVEL+SAND 31.37 SILT/(SILT+CLAY) 76.62 PCT. GRAV+SAND/SILT+CLAY .46
 LABELS SHEPARD -SANDY SILT EOLK(3MS) -SANDY MUD (SCS) -SANDY SILT

LP 13-3 210862

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 32.8799

06/30/32

PHI	PCT.	CUM.PCT.
- .50	0.00	0.00
0.00	0.00	0.00
.50	0.00	0.00
1.00	0.00	0.00
1.50	.07	.07
2.00	0.00	.07
2.50	.26	.33
3.00	.99	1.32
3.50	19.86	21.19
4.00	22.51	43.70
4.50	7.79	51.49
5.00	18.77	69.26
5.50	10.78	79.04
6.00	5.69	84.73
6.50	3.29	88.02
7.00	2.70	90.72
7.50	3.29	94.01
8.00	1.20	95.21
8.50	1.20	96.41
9.00	1.20	97.61
*****	2.40	99.01
		100.00

MEAN ST. DEV. SKEWNESS KURTOSIS

4.58	1.30	.54	.86
4.97	1.37	.32	1.14

KRUMBEIN + PETTITJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	4.40	5TH	3.09	16TH	3.37	25TH	3.58
			75TH	5.31	84TH	5.94	95TH	7.91
PCT. GRAVEL	0.00	SAND	43.70	SILT (PIPETTE)	16.77	CLAY (PIPETTE)		73.07
				(SEDIGRAPH)	51.51	(SEDIGRAPH)		4.79
GRAVEL+SAND	43.70	SILT/(SILT+CLAY)		91.49	PCT. GRAV+SAND/SILT+CLAY			.78
LABELS SHEPARD	-SANDY	SILT	FOLK(GMS)-SANDY	MUD	(SGS)-SANDY	SILT		

06/30/82

PHI	PCT. COMPCT.	
- .50	0.00	
0.00	0.00	0.00
.50	.03	0.00
1.00	.02	.03
1.50	.12	.05
2.00	.17	.17
2.50	.33	.33
3.00	.53	1.16
3.50	15.74	15.90
4.00	18.23	35.13
4.50	2.70	37.83
5.00	5.11	40.94
5.50	5.11	54.05
6.00	5.78	63.51
6.50	5.73	72.29
7.00	6.76	77.02
7.50	4.05	83.78
8.00	2.70	87.84
8.50	2.70	90.54
9.00	0.76	93.24
*****		100.00

MEAN ST. DEV. SKEWNESS KURTOSIS

5.18 1.03 .21 -.90 KRUMBEIN + PETTIT JOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.25	5TH	3.12	16TH	3.47	25TH	3.72
			75TH	6.79	84TH	7.93	95TH	*****
PCT. GRAVEL	0.00	SAND	35.13	SILT (PIPETTE)	57.16	CLAY (PIPETTE)		7.72
				(SEDIGRAPH)	52.71	(SEDIGRAPH)		12.16
GRAVEL+SAND	35.13	SILT/(SILT+CLAY)		81.25	PCT. GRAV+SAND/SILT+CLAY			.54
LABELS SHEPARD	-SANDY SILT	FOLK (GHS)	-SANDY MUD			(SCS)	-SANDY SILT	

06/30/82

PHI	PCT. CUMFCT.	
-0.50	0.00	
0.00	0.00	
.50	0.00	
1.00	0.00	
1.50	.06	
	.52	*
2.00		
	1.75	**
2.50		
	6.73	*****
3.00	11.06	
	28.19	*****
3.50	37.25	
	21.24	*****
4.00	58.49	
	5.82	*****
4.50	64.31	
	10.09	*****
5.00	74.40	
	5.43	*****
5.50	79.83	
	3.49	***
6.00	83.32	
	2.72	***
6.50	85.03	
	2.33	**
7.00	88.36	
	3.10	***
7.50	91.47	
	2.33	**
8.00	93.79	
	1.55	**
8.50	95.34	
	1.94	**
9.00	97.28	
	2.72	***
*****	100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

4.30	1.82	.62	.59	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI
4.34	1.83	.57	1.31	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	3.80	5TH	2.65	16TH	3.09	25TH	3.27
			75TH	5.96	84TH	6.13	95TH	8.39
PCT. GRAVEL	0.00	SAND	58.49	SILT (PIPETTE)	35.79	CLAY (PIPETTE)	5.72	
				(SEDIGRAPH)	35.30	(SEDIGRAPH)	6.21	
GRAVEL+SAND	58.49	SILT/(SILT+CLAY)	85.05	PCT. GRAV+SAND/SILT+CLAY	1.41			
LABELS SHEPARD	-SILTY SAND	FOLK (GMS)	-MUDDY SAND	(SCS)	-SILTY SAND			

LP 14-2 300782

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH

SAMPLE WT. = 25.0612

07/30/82

PHI	PCT.	CUMPCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	0.00	0.00	
1.50	.02	.02	
2.00	.09	.11	
2.50	.11	.22	
3.00	.65	.86	*
3.50	9.27	.86	*****
4.00	17.47	10.14	*****
4.50	4.64	27.61	*****
5.00	11.14	32.25	*****
5.50	10.21	43.39	*****
6.00	8.35	53.60	*****
6.50	8.35	61.95	*****
7.00	5.57	70.30	*****
7.50	6.50	75.87	*****
8.00	3.71	82.37	****
8.50	1.86	86.08	**
9.00	3.25	87.93	***
9.50	8.82	91.18	*****
10.00		100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

5.28 1.55 .22 -.72 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.32	5TH	3.22	16TH	3.67	25TH	3.93
			75TH	6.92	84TH	7.72	95TH	*****
PCT. GRAVEL	0.00	SAND	27.61	SILT (PIPETTE)	59.97	CLAY (PIPETTE)	12.42	
				(SEDIGRAPH)	58.47	(SEDIGRAPH)	13.92	
GRAVEL+SAND	27.61	SILT/(SILT+CLAY)	80.77	PCT.GRAV+SAND/SILT+CLAY	.38			
LABELS SHEPARD	-SANDY SILT	FOLK (MS)	-SANDY MUD		(SCS)	-SANDY SILT		

LP 14-4 B 190782

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 27.2051

07/23/82

PHI	PCT. COMPCT.		
-0.50	0.00		
0.00	0.00		
.50	.02	.02	
1.00	.01	.03	
1.50	.01	.04	
2.00	.06	.09	
2.50	.09	.19	
3.00	.19	.38	
3.50	6.45	6.82	*****
	18.39		*****
4.00	3.21	25.21	***
4.50	12.82	28.42	*****
5.00	12.82	41.24	*****
5.50	10.68	54.06	*****
6.00	7.48	64.74	*****
6.50	5.88	72.22	*****
7.00	6.94	78.10	*****
7.50	3.74	85.04	****
8.00	2.14	88.78	**
8.50	2.67	90.92	***
9.00	6.41	93.59	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

5.35 1.47 .21 -.61

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH	75TH	84TH	95TH
	5.34	3.35	3.75	3.99	6.74	7.42	*****
PCT. GRAVEL	0.00	SAND 25.21	SILT (PIPETTE)	65.53	CLAY (PIPETTE)	9.26	
			(SEDIGRAPH)	63.57	(SEDIGRAPH)	11.22	
GRAVEL+SAND	25.21	SILT/(SILT+CLAY)	85.00	PCT. GRAV+SAND/SILT+CLAY	.34		
LABELS SHEPARD	-SANDY SILT	FOLK(GMS)-SANDY MUD		(SCS)-SANDY SILT			

LP 15-2 020882

SIEVE,SETT.TUBE,PIPET,SEDIGRAPH SAMPLE WT.= 28.1740

08/10/82

PHI	PCT.	CUMPCT.	
-0.50	0.00		
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	0.00	0.00	
1.50	.01	0.00	
2.00	.03	.01	
2.50	.68	.04	*
3.00	8.54	.71	*****
3.50	15.66	9.25	*****
4.00	3.58	24.91	****
4.50	5.96	26.49	*****
5.00	5.96	34.44	*****
5.50	5.96	40.40	*****
6.00	5.36	46.36	*****
6.50	7.15	51.73	*****
7.00	8.34	59.88	*****
7.50	5.36	67.22	*****
8.00	4.77	72.59	*****
8.50	3.58	77.35	****
9.00	3.58	80.93	****
9.50	1.19	84.51	*
10.00	2.38	85.70	**
10.50	2.38	88.08	**
11.00	2.38	90.46	**
11.50	1.19	92.85	*
12.00	5.96	94.04	*****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

6.25 2.33 .24 -.70

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI

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

PERCENTILES	MEDIAN	6.34	5TH	3.25	16TH	3.72	25TH	4.01
			75TH	8.25	84TH	9.43	95TH	*****

PCT. GRAVEL 0.00 SAND 24.91 SILT (PIPETTE) 56.30 CLAY (PIPETTE) 18.79
 (SEDIGRAPH) 47.68 (SEDIGRAPH) 27.41

GRAVEL+SAND 24.91 SILT/(SILT+CLAY) 63.49PCT.GRAV+SAND/SILT+CLAY .33

LABELS SHEPARD -SAN SIL CLY FOLK(GMS)-SANDY MUD (SCS)-SANDY MUD

LP 15-2 B 300782

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH

SAMPLE WT. = 27.6282

07/30/82

PHI	PCT.	CUMPCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	.00	0.00	
1.50	.10	.00	
2.00	.05	.11	
2.50	.69	.16	*
3.00	11.09	.85	*****
3.50	11.30	11.94	*****
4.00	.89	23.25	*
4.50	5.35	24.14	*****
5.00	7.14	29.49	*****
5.50	10.71	36.63	*****
6.00	10.71	47.34	*****
6.50	8.03	58.05	*****
7.00	8.92	66.09	*****
7.50	5.35	75.01	*****
8.00	19.63	80.37	*****
*****	100.00		*****

MEAN ST.DEV. SKEWNESS KURTOSIS

5.43 1.48 -0.09 -1.22

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 8.0 PHI

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

PERCENTILES	MEDIAN	6.12	5TH	3.19	16TH	3.68	25TH	4.58
			75TH	7.50	94TH	*****	95TH	*****

PCT. GRAVEL 0.00 SAND 23.25 SILT (PIPETTE) 61.55 CLAY (PIPETTE) 15.20
 (SEDIGRAPH) 57.12 (SEDIGRAPH) 19.63

GRAVEL+SAND 23.25 SILT/(SILT+CLAY) 74.42 PCT.GRAV+SAND/SILT+CLAY .30

LABELS SHEPARD SANDY SILT FOLK (SME) SANDY MUD (SCS) SANDY SILT

LP 16-1 T 300782

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 23.4314

07/30/82

PHI	PCT. CUMFCT.		
-0.50	0.00		
0.00	0.00	0.00	
.50	.00	0.00	
1.00	.02	.00	
1.50	.22	.02	
2.00	.24	.24	
2.50	.48	.48	**
3.00	1.68	2.16	*****
3.50	16.36	18.52	*****
4.00	20.20	38.72	*****
4.50	4.51	43.23	*****
5.00	9.91	53.14	*****
5.50	8.11	61.25	*****
6.00	7.21	68.46	*****
6.50	6.31	74.77	*****
7.00	4.51	79.27	*****
7.50	4.51	83.78	***
8.00	2.70	86.48	***
8.50	2.70	89.19	**
9.00	1.80	90.99	*
9.50	1.35	92.34	*
10.00	1.35	93.69	*
10.50	.90	94.59	*
11.00	1.35	95.94	*
11.50	.45	96.40	*
12.00	.90	97.30	*
*****	2.70	100.00	***

MEAN ST.DEV. SKEWNESS KURTOSIS

5.26 2.03 .55 .69

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI

5.27 2.18 .42 1.08

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	4.84	5TH	3.09	16TH	3.42	25TH	3.66
			75TH	6.53	84TH	7.54	95TH	10.65
PCT. GRAVEL	0.00	SAND	38.72	SILT (PIPETTE)	51.38	CLAY (PIPETTE)	9.89	
				(SEDIGRAPH)	47.76	(SEDIGRAPH)	13.52	
GRAVEL+SAND	38.72	SILT/(SILT+CLAY)	77.94	PCT.GRAV+SAND/SILT+CLAY	.63			
LABELS SHEPARD	-SANDY SILT	FOLK(GMS)	-SANDY MUD	(SCS)	-SANDY SILT			

08/03/82

PHI	PCT.	CUMFCT.	
- .50	0.00	0.00	
0.00	0.00	0.00	
.50	.00	0.00	
1.00	.17	.00	
1.50	.17	.19	
2.00	.18	.35	
2.50	.35	.53	
3.00	5.44	.88	*****
3.50	4.56	6.31	*****
4.00	1.14	10.87	*
4.50	5.14	12.02	*****
5.00	9.14	17.16	*****
5.50	10.86	26.30	*****
6.00	11.43	37.15	*****
6.50	10.28	48.58	*****
7.00	9.14	58.86	*****
7.50	6.86	68.01	*****
8.00	4.57	74.26	*****
8.50	3.43	79.43	***
9.00	2.86	82.86	***
9.50	1.71	85.72	**
10.00	2.29	87.43	**
10.50	2.29	89.72	**
11.00	1.71	92.00	**
11.50	1.14	93.72	*
12.00	5.14	94.86	*****
*****		100.00	

MEAN ST. DEV. SKENNESS KUFTOSIS

6.62 2.00 .19 .00 ~~KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI~~

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

PERCENTILES	MEDIAN	6.57	5TH	3.38	16TH	4.89	25TH	5.43
			75TH	8.32	84TH	9.20	95TH	*****
PCT. GRAVEL	0.00	SAND	10.87	SILT (PIPETTE)	65.91	CLAY (PIPETTE)	23.22	
				(SEDIGRAPH)	63.99	(SEDIGRAPH)	25.14	
GRAVEL+SAND	10.87	SILT/(SILT+CLAY)	71.79	PCT. GRAV+SAND/SILT+CLAY			.12	
LABELS SHEPARD	CLAYEY SILT	FOLK (5MS)	SANDY MUD		(SGS)	SANDY SILT		

06/30/82

PHI	PCT. CUMECT.		
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	.02	.02	
1.00	.10	.12	
1.50	.12	.24	
2.00	.24	.43	
2.50	.42	.65	
3.00	5.06	6.03	*****
3.50	7.83		*****++
4.00	13.86		
4.50	15.62		**
5.00	22.65		*****
5.50	31.88		*****++
6.00	45.50		*****++
6.50	56.93		*****++
7.00	66.80		*****++
7.50	74.51		*****
8.00	79.34		***
8.50	82.42		***
9.00	85.94		*****++
****	100.00		

MEAN ST. DEV. SKEWNESS KURTOSIS

5.86 1.48 -.07 -.47 KRUMBEIN + PETTICORN (1936) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN 6.20	5TH 3.40	16TH 4.53	25TH 5.13
		75TH 7.55	84TH 6.72	95TH ****

PCT. GRAVEL	0.00	SAND 13.86	SILT (PIPETTE) 66.70	CLAY (PIPETTE) 19.44
		(SEDIGRAPH) 65.48	(SEDIGRAPH) 20.65	

GRAVEL+SAND 13.86 SILT/(SILT+CLAY) 76.02 PCT. GRAV+SAND/SILT+CLAY .16

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

07/23/82

PHI	FCT.	CUMFCT.	
- .50	0.00		
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	0.00	0.00	
1.50	.02	.02	
2.00	.09	.12	
2.50	.24	.35	
3.00	.12	.47	
3.50	4.50	4.97	****
4.00	8.28	13.25	*****
4.50	2.71	15.96	***
5.00	3.61	19.58	****
5.50	6.33	25.90	*****
6.00	7.23	33.13	*****
6.50	10.84	43.97	*****
7.00	9.94	53.91	*****
7.50	11.75	65.66	*****
8.00	7.23	72.89	*****
8.50	4.52	77.41	****
9.00	4.52	81.93	****
9.50	2.71	84.64	***
10.00	.90	85.54	*
10.50	1.81	87.35	**
11.00	.90	88.25	*
11.50	1.36	89.61	*
12.00	.90	90.51	*
*****	9.49	90.51	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

6.53 1.94 .12 -.11

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI

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

PERCENTILES	MEDIAN	6.80	5TH	3.50	16TH	4.51	25TH	5.43
			75TH	8.23	84TH	9.38	95TH	*****

PCT. GRAVEL	0.00	SAND	13.25	SILT (PIPETTE)	62.88	CLAY (PIPETTE)	23.87
				(SEDIGRAPH)	59.64	(SEDIGRAPH)	27.11

GRAVEL+SAND 13.25 SILT/(SILT+CLAY) 68.75 PCT. GRAV+SAND/SILT+CLAY .15

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

07/23/82

PHI	FCT.	CUMFCT.	
-0.50	0.00	0.00	
0.00	0.00	0.00	
.50	.00	.00	
1.00	.05	.05	
1.50	.05	.10	
2.00	.10	.20	
2.50	.20	.39	
3.00	1.96	2.35	**
3.50	3.32	5.67	***
4.00	.94	6.61	*
4.50	4.72	11.33	*****
5.00	10.38	21.71	*****
5.50	21.70	43.40	*****
6.00	23.58	66.99	*****
6.50	11.32	78.30	*****
7.00	7.55	85.85	*****
7.50	3.77	89.62	****
8.00	.94	90.57	*
8.50	1.89	92.45	**
9.00	7.55	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

6.03 1.06 -.17 1.19 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	6.14	5TH	3.90	16TH	5.22	25TH	5.58
			75TH	5.95	84TH	7.38	95TH	*****
PCT. GRAVEL	0.00	SAND	5.67	SILT (PIPETTE)	87.10	CLAY (PIPETTE)	7.23	
				(SEDIGRAPH)	83.95	(SEDIGRAPH)	10.38	
GRAVEL+SAND	5.67	SILT/(SILT+CLAY)	89.00	PCT. GRAV+SAND/SILT+CLAY			.06	
LABELS SHEPARD	-SILT	FOLK (GMS)	-MUD	(SCS)	-SILT			

07/23/82

PHI	PCT.	CUMPCT.	
-0.50			
0.00	.03	.03	
.50	.10	.13	
1.00	.39	.52	
1.50	1.30	1.82	*
2.00	2.34	4.16	**
2.50	2.34	6.50	**
3.00	6.24	12.73	*****
3.50	21.05	33.78	*****
4.00	11.17	44.95	*****
4.50	1.60	46.55	**
5.00	3.99	50.54	****
5.50	8.78	59.31	*****
6.00	9.17	68.49	*****
6.50	8.38	76.86	*****
7.00	3.99	80.85	****
7.50	4.39	85.24	****
8.00	2.39	87.63	**
8.50	1.99	89.63	**
9.00	1.60	91.22	**
9.50	.80	92.02	*
10.00	1.60	93.62	**
10.50	.80	94.42	*
11.00	.80	95.21	*
11.50	.80	96.01	*
12.00	.40	96.41	*
****	3.59	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

4.94 2.16 .38 .28

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI

5.12 2.39 .25 1.15

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	4.93	5TH	2.18	16TH	3.08	25TH	3.29	
			75TH	5.39	84TH	7.36	95TH	10.87	
PCT. GRAVEL	0.00	SAND	44.95	SILT (PIPETTE)	45.72	CLAY (PIPETTE)		9.32	
				(SEDIGRAPH)	42.68	(SEDIGRAPH)		12.37	
GRAVEL+SAND	44.95	SILT/(SILT+CLAY)		77.54PCT.GRAV+SAND/SILT+CLAY				.82	
LABELS SHEPARD -SILTY SAND				FOLK(545)-SANDY MUD			(SCS)-SANDY SILT		

07/30/82

PHI	PCT.	CUMPCT.	
- .50			
0.00	0.00	0.00	
.50	.09	.09	
1.00	.05	.14	
1.50	.05	.19	
2.00	.09	.28	
2.50	.19	.38	
3.00	.19	.57	
3.50	1.42	1.99	*
4.00	3.50	5.49	****
4.50	2.84	8.33	***
5.00	6.62	14.94	*****
5.50	9.45	24.39	*****
6.00	10.40	34.79	*****
6.50	12.29	47.07	*****
7.00	10.40	57.47	*****
7.50	9.45	66.92	*****
8.00	6.62	73.54	*****
8.50	4.73	78.26	****
9.00	2.84	81.10	***
9.50	1.89	82.99	**
10.00	1.89	84.88	**
10.50	1.89	86.77	**
11.00	1.89	88.66	**
11.50	1.42	90.08	*
12.00	.95	91.02	*
****	8.98	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

6.65 1.84 .27 .42

KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI

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

PERCENTILES	MEDIAN	6.64	5TH	3.93	16TH	5.06	25TH	5.53
			75TH	8.15	84TH	9.77	95TH	*****
PCT. GRAVEL	0.00	SAND	5.49	SILT (PIPETTE)	71.42	CLAY (PIPETTE)	23.09	
				(SEDIGRAPH)	68.05	(SEDIGRAPH)	26.46	
GRAVEL+SAND	5.49	SILT/(SILT+CLAY)	72.00	PCT.GRAV+SAND/SILT+CLAY			.06	
LABELS SHEPARD	-CLAYEY SILT	FOLK (MS)	-MUD			(SCS)	-SILT	

08/10/82

PHI	PCT.	CUMPCT.	
3.50	0.00		
4.00	0.00	0.00	
4.50	3.00	3.00	***
5.00	7.00	10.00	*****
5.50	1.00	11.00	*
6.00	24.00	35.00	*****
6.50	9.00	44.00	*****
7.00	14.00	58.00	*****
7.50	8.00	66.00	*****
8.00	5.00	71.00	*****
8.50	5.00	76.00	*****
9.00	3.00	79.00	***
9.50	3.00	82.00	***
10.00	2.00	84.00	**
10.50	2.00	86.00	**
11.00	2.00	88.00	**
11.50	1.00	89.00	*
12.00	11.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.29 1.57 .43 .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	7.21	5TH	5.14	16TH	6.10	25TH	6.29
			75TH	8.90	84TH	10.50	95TH	*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	67.58	CLAY (PIPETTE)	32.42
				(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

06/30/82

PHI	PCT. COMPCT.	
3.50	0.00	
4.00	0.00	0.00
4.50	0.00	0.00
5.00	5.15	*****
5.50	1.03	*
5.50	6.78	*****
6.00	11.86	*****
6.50	12.37	*****
7.00	14.43	*****
7.50	28.28	*****
8.00	7.22	*****
8.50	5.15	*****
9.00	3.61	*****
9.50	2.53	***
10.00	3.09	***
10.50	1.55	**
11.00	2.06	**
11.50	1.55	**
12.00	12.37	*****
*****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.48 1.60 .33 .15 KEUNBELD + PETTE JOHN (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	7.48	5TH	4.99	16TH	6.13	25TH	6.51
			75TH	9.25	94TH	10.99	95TH	*****

PCT. GRAVEL 0.00 SAND -0.00 SILT (PIPETTE) 63.27 CLAY (PIPETTE) 36.73
 (SEDIGRAPH) 60.82 (SEDIGRAPH) 39.13

GRAVEL+SAND -0.00 SILT/(SILT+CLAY) 60.82 PCT.GRAV+SAND/SILT+CLAY -0.00

LABELS SHEPARD -CLAYEY SILT FOLK (3 IS) -MUD (SCS) -MUD

07/23/82

PHI	FCT.	CUMFCT.	
3.50	0.00	0.00	
4.00	0.00	0.00	
4.50	1.00	0.00	*
5.00	5.00	1.00	*****
5.50	8.00	6.00	*****
6.00	11.50	14.00	*****
6.50	11.50	25.50	*****
7.00	13.00	37.00	*****
7.50	10.00	50.00	*****
8.00	7.00	60.00	*****
8.50	4.50	67.00	*****
9.00	3.50	71.50	****
9.50	3.00	75.00	***
10.00	2.00	78.00	**
10.50	2.00	80.00	**
11.00	2.00	82.00	**
11.50	2.00	84.00	**
12.00	14.00	86.00	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.50 1.60 .40 .18

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	5.40	16TH	6.09	25TH	6.43
			75TH	9.50	84TH	11.50	95TH	*****

PCT. GRAVEL	0.00	SAND	- .00	SILT (PIPETTE)	67.51	CLAY (PIPETTE)	32.49
				(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

08/10/62

PHI	PCT. CUMFCT.	
3.50	0.00	
4.00	0.00	*
4.50	.50	*
5.00	1.00	**
5.50	2.00	*****
6.00	3.00	*****
6.50	8.00	*****
7.00	11.00	*****
7.50	12.00	*****
8.00	23.00	*****
8.50	35.00	*****
9.00	50.00	*****
9.50	60.00	*****
10.00	67.00	*****
10.50	73.00	*****
11.00	77.00	*****
11.50	89.00	*****
12.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

7.62 1.58 .39 .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	7.50	5TH	5.63	16TH	6.21	25TH	6.58
			75TH	9.25	84TH	11.00	95TH	*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	64.18	CLAY (PIPETTE)	35.82
				(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

07/23/82

PHI	PCT. COMPCT.	
3.50	0.00	
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	6.00	10.00
6.50	9.00	19.00
7.00	11.00	30.00
7.50	15.00	45.00
8.00	11.00	56.00
8.50	8.00	64.00
9.00	6.00	70.00
9.50	4.00	74.00
10.00	3.00	77.00
10.50	2.00	80.00
11.00	2.00	82.00
11.50	2.00	84.00
12.00	2.00	86.00
****	14.00	100.00

MEAN ST.DEV. SKEWNESS KURTOSIS

7.70 1.56 .34 .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	7.73	5TH	5.58	16TH	6.33	25TH	6.77
			75TH	9.67	84TH	11.50	95TH	****

PCT. GRAVEL	0.00	SAND	-0.00	SILT (PIPETTE)	58.35	CLAY (PIPETTE)	41.65
				(SEDIGRAPH)	56.00	(SEDIGRAPH)	44.00

GRAVEL+SAND -0.00 SILT/(SILT+CLAY) 56.00 PCT.GRAV+SAND/SILT+CLAY -0.00

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

LP 21-5 020882

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT.= 18.8111

08/10/82

PHI	PCT. CUM.PCT.	
3.50	0.00	
4.00	0.00	0.00
4.50	0.00	0.00
5.00	0.00	0.00
5.50	2.44	2.44 **
6.00	4.88	4.88 *****
6.50	10.98	10.98 *****
7.00	10.98	18.29 *****
7.50	15.85	29.27 *****
8.00	10.98	45.12 *****
8.50	7.32	56.10 *****
9.00	6.10	63.41 *****
9.50	3.66	69.51 *****
10.00	3.66	73.17 *****
10.50	3.66	76.83 *****
11.00	2.44	80.49 **
11.50	2.44	82.93 **
12.00	2.44	85.37 **
*****	12.20	87.80 *****
		100.00

MEAN ST.DEV. SKEWNESS KURTOSIS

7.82 1.58 .38 -.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	7.72	5TH	5.75	16TH	6.40	25TH	6.81
			75TH	9.75	84TH	11.22	95TH	*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	55.05	CLAY (PIPETTE)	44.95
				(SEDIGRAPH)	56.10	(SEDIGRAPH)	43.90

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 56.10 PCT.GRAV+SAND/SILT+CLAY -.00

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

LP 22-3 190782

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT. = 23.1360

07/23/82

PHI	PCT.	CUMFCT.	
3.50	0.00		
4.00	0.00	0.00	
4.50	2.55	0.00	***
5.00	3.57	2.55	****
5.50	6.12	6.12	*****
6.00	10.20	12.24	*****
6.50	10.20	22.45	*****
7.00	16.33	32.65	*****
7.50	8.16	48.98	*****
8.00	9.18	57.14	*****
8.50	6.12	66.33	*****
9.00	3.06	72.45	***
9.50	3.06	75.51	***
10.00	3.06	78.57	***
10.50	1.02	81.63	*
11.00	2.04	82.65	**
11.50	2.04	84.69	**
12.00	13.27	86.73	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.58 1.59 .33 .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	7.56	5TH	5.34	16TH	6.18	25TH	6.63
			75TH	9.42	84TH	11.33	95TH	*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	61.07	CLAY (PIPETTE)	38.93
				(SEDIGRAPH)	57.14	(SEDIGRAPH)	42.86

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 57.14 PCT.GRAV+SAND/SILT+CLAY -.00

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

LP 23-2 300782

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT.= 22.1390

07/30/82

PHI	PCT.	CUMPCT.	
3.50	0.00		
4.00	1.08	0.00	*
4.50	.54	1.08	*
5.00	1.61	1.61	**
5.50	6.45	3.23	*****
6.00	6.45	9.68	*****
6.50	10.75	16.13	*****
7.00	13.98	26.88	*****
7.50	10.75	40.86	*****
8.00	7.53	51.61	*****
8.50	7.53	59.14	*****
9.00	4.30	66.67	****
9.50	3.23	70.97	***
10.00	3.76	74.19	****
10.50	3.23	77.96	***
11.00	2.69	81.18	**
11.50	2.69	83.87	**
12.00	13.44	86.56	*****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.91 1.67 .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	7.93	5TH	5.64	16TH	6.49	25TH	6.91
			75TH	10.11	84TH	11.52	95TH	*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	56.49	CLAY (PIPETTE)	43.51
				(SEDIGRAPH)	51.61	(SEDIGRAPH)	48.39

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 51.61 PCT.GRAV+SAND/SILT+CLAY -.00

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

LP 23-4 B 300782

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT.= 20.8060

08/03/82

PHI	PCT. CUMFCT.	
3.50	0.00	
4.00	0.00	0.00
4.50	0.00	0.00
5.00	1.01	*
5.50	3.03	1.01
6.00	6.06	4.04
6.50	10.10	10.10
7.00	8.59	20.20
7.50	13.64	28.79
8.00	11.11	42.42
8.50	8.08	53.54
9.00	6.06	61.62
9.50	5.05	67.68
10.00	3.03	72.73
10.50	4.04	75.76
11.00	2.02	79.80
11.50	3.03	81.82
12.00	2.53	84.85
*****	12.63	87.37
		100.00

MEAN ST.DEV. SKEWNESS KURTOSIS

7.83 1.65 .29 -.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	7.84	5TH	5.58	16TH	6.29	25TH	6.78
			75TH	9.87	84TH	11.36	95TH	*****

PCT. GRAVEL 0.00 SAND -.00 SILT (PIPETTE) 53.78 CLAY (PIPETTE) 46.22
 (SEDIGRAPH) 53.54 (SEDIGRAPH) 46.46

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

~~LABELS SHEPARD -CLAYEY SILT FOLK(5MS) MUD (SGS) MUD~~

LP 24-1 T 300782

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 25.4997

07/30/82

PHI	PCT. COMPCT.		
-0.50	0.00		
0.00	0.00	0.00	
.50	.03	0.00	
1.00	.12	.03	
1.50	.46	.15	
2.00	.46	.62	
2.50	3.86	1.08	****
3.00	5.87	4.95	*****
3.50	2.32	10.62	**
4.00	0.00	13.14	
4.50	.87	13.14	*
5.00	3.91	14.00	****
5.50	4.78	17.91	*****
6.00	7.82	22.69	*****
6.50	6.95	30.51	*****
7.00	11.29	37.46	*****
7.50	8.69	48.75	*****
8.00	7.38	57.44	*****
8.50	5.65	64.82	*****
9.00	4.34	70.47	****
9.50	3.47	74.81	***
10.00	3.47	78.28	***
10.50	2.61	81.76	***
11.00	1.74	84.36	**
11.50	1.74	86.10	**
12.00	12.16	87.84	*****
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

7.12 2.29 -.14 -.35 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI

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

PERCENTILES	MEDIAN	7.57	5TH	3.00	16TH	5.26	25TH	6.15
			75TH	9.53	84TH	10.93	95TH	*****

PCT. GRAVEL	0.00	SAND	13.14	SILT (PIPETTE)	46.43	CLAY (PIPETTE)	38.43
				(SEDIGRAPH)	44.30	(SEDIGRAPH)	42.56

GRAVEL+SAND 13.14 SILT/(SILT+CLAY) 51.00 PCT. GRAV+SAND/SILT+CLAY .15

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

08/03/82

PHI	PCT. CUMFCT.		
-0.50	0.00		
0.00	0.00		
.50	.00		
1.00	.01		
1.50	.12		
2.00	.26		
2.50	.40		
3.00	2.38		**
3.50	3.71	3.18	****
4.00	1.72	6.89	**
4.50	0.00	8.61	
5.00	.92	8.61	*
5.50	2.77	9.53	***
6.00	7.38	12.30	*****
6.50	7.38	19.69	*****
7.00	8.31	27.07	*****
7.50	12.92	35.38	*****
8.00	9.23	48.31	*****
8.50	7.38	57.54	*****
9.00	5.54	64.92	*****
9.50	4.62	70.46	*****
10.00	3.23	75.08	***
10.50	3.23	78.31	***
11.00	2.77	81.54	***
11.50	1.85	84.31	**
12.00	2.77	86.15	**
****	11.08	88.92	*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.37 2.13 -.10 .05 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 12.0 PHI

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

PERCENTILES	MEDIAN	7.59	5TH	3.25	16TH	5.75	25TH	6.36
			75TH	9.49	84TH	10.94	95TH	*****
PCT. GRAVEL	0.00	SAND	8.61	SILT (PIPETTE)	50.36	CLAY (PIPETTE)		41.03
				(SEDIGRAPH)	48.92	(SEDIGRAPH)		42.46
GRAVEL+SAND	8.61	SILT/(SILT+CLAY)		53.54	PCT.GRAV+SAND/SILT+CLAY			.09
LABELS SHEPARD		CLAYEY SILT	FOLK(3MS)	MUD		(SGS)		MUD

LP 24-6 190782

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT.= 20.8360

07/23/82

PHI	PCT.	CUMPCT.	
3.50			
	0.00		
4.00		0.00	
	1.50		**
4.50		1.50	
	4.00		****
5.00		5.50	
	8.50		*****
5.50		14.00	
	12.50		*****
6.00		26.50	
	11.50		*****
6.50		38.00	
	9.00		*****
7.00		47.00	
	11.00		*****
7.50		58.00	
	6.00		*****
8.00		64.00	
	6.00		*****
8.50		70.00	
	4.50		*****
9.00		74.50	
	3.50		****
9.50		78.00	
	3.00		***
10.00		81.00	
	2.00		**
10.50		83.00	
	2.00		**
11.00		85.00	
	2.00		**
11.50		87.00	
	2.00		**
12.00		89.00	
	11.00		*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

7.18 1.77 .38 -.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	7.14	5TH	4.94	16TH	5.58	25TH	5.94
			75TH	9.07	84TH	10.75	95TH	*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	23.89	CLAY (PIPETTE)	76.11
				(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

LP 24-7 B 020882

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT.= 24.2712

08/10/82

PHI	FCT.	CUMPCT.	
3.50	0.00		
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	0.00	1.00	
6.50	2.00	3.00	**
7.00	1.00	4.00	*
7.50	3.00	7.00	***
8.00	4.00	11.00	****
8.50	6.00	17.00	*****
9.00	7.00	24.00	*****
9.50	9.00	33.00	*****
10.00	8.00	41.00	*****
10.50	8.00	49.00	*****
11.00	6.00	55.00	*****
11.50	7.00	62.00	*****
12.00	4.00	66.00	*****
****	34.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.42 1.48 -.24 -.18

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 10.58	5TH 7.17	16TH 8.42	25TH 9.06
		75TH*****	84TH*****	95TH*****

PCT. GRAVEL 0.00 SAND -.00 SILT (PIPETTE) 11.32 CLAY (PIPETTE) 88.68
 (SEDIGRAPH) 11.00 (SEDIGRAPH) 89.00

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 11.00 PCT.GRAV+SAND/SILT+CLAY -.00

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

LP 25-3 190782

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT. = 23.2367

07/23/82

PHI	PCT. COMPCT.		
3.50	0.00		
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	1.52		**
6.50	1.52	1.52	**
7.00	3.03	3.03	***
7.50	3.03	6.06	***
8.00	5.05	9.09	*****
8.50	5.05	14.14	*****
9.00	8.08	19.19	*****
9.50	10.10	27.27	*****
10.00	7.07	37.37	*****
10.50	8.08	44.44	*****
11.00	8.08	52.53	*****
11.50	8.08	60.61	*****
12.00	5.05	68.69	*****
*****	26.26	73.74	*****
*****	100.00		*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.42 1.53 -.21 -.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 10.34	5TH 6.83	15TH 8.18	25TH 8.86
		75TH*****	84TH*****	95TH*****
PCT. GRAVEL	0.00	SAND -.00	SILT (PIPETTE) 14.46	CLAY (PIPETTE) 85.54
			(SEDIGRAPH) 14.14	(SEDIGRAPH) 85.86
GRAVEL+SAND	-.00	SILT/(SILT+CLAY)	14.14PCT.GRAV+SAND/SILT+CLAY	-.00
LABELS SHEPARD	-CLAY	FOLK(GMS)-MUD		(SCS)-CLAY

07/23/82

PHI	PCT. COMPCT.		
3.50	0.00		
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.06	0.00	*
5.50	0.00	1.06	
6.00	2.66	1.06	***
6.50	1.60	3.72	**
7.00	4.26	5.32	****
7.50	6.38	9.57	*****
8.00	5.32	15.96	*****
8.50	9.57	21.28	*****
9.00	10.64	30.85	*****
9.50	7.45	41.49	*****
10.00	8.51	48.94	*****
10.50	6.38	57.45	*****
11.00	0.00	63.83	
11.50	6.38	63.83	*****
12.00	29.79	70.21	*****
*****	100.00		*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.16 1.48 -.11 -.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	10.06	5TH	6.90	16TH	8.00	25TH	8.69
			75TH	*****	84TH	*****	95TH	*****

PCT. GRAVEL 0.00 SAND -.00 SILT (PIPETTE) 14.69 CLAY (PIPETTE) 85.31
 (SEDIGRAPH) 15.96 (SEDIGRAPH) 84.04

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 15.96 PCT.GRAV+SAND/SILT+CLAY -.00

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

08/10/82

PHI	PCT.	CUMPCT.	
3.50			
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	1.12	1.12	*
5.50	0.00	1.12	
6.00	1.12	2.25	*
6.50	2.25	4.49	**
7.00	3.37	7.87	***
7.50	4.49	12.36	****
8.00	5.62	17.98	*****
8.50	6.74	23.60	*****
9.00	6.74	30.34	*****
9.50	0.00	30.34	
10.00	8.99	39.33	*****
10.50	7.87	47.19	*****
11.00	6.74	53.93	*****
11.50	6.74	60.67	*****
12.00	6.74	67.42	*****
*****	32.58	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.28 1.77 -.21 -.73

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	5TH	16TH	25TH
	10.71	6.58	7.82	8.60
		75TH*****	84TH*****	95TH*****

PCT. GRAVEL 0.00 SAND -.00 SILT (PIPETTE) 16.85 CLAY (PIPETTE) 83.15
 (SEDIGRAPH) 17.98 (SEDIGRAPH) 82.02

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 17.98 PCT.GRAV+SAND/SILT+CLAY -.00

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

07/23/82

PHI	PCT. CONFCT.	
3.50	0.00	
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	1.03	0.00
6.50	2.06	1.03
7.00	5.15	3.09
7.50	7.22	8.25
8.00	9.28	15.46
8.50	10.31	24.74
9.00	11.34	35.05
9.50	8.25	46.39
10.00	7.22	54.64
10.50	5.15	61.86
11.00	6.19	67.01
11.50	4.12	73.20
12.00	22.68	77.32
*****	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.22 1.36 .04 -.75 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	9.72	5TH	7.19	16TH	8.03	25TH	8.51
			75TH	11.72	84TH*****		95TH*****	
PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	17.35	CLAY (PIPETTE)	82.65	
				(SEDIGRAPH)	15.46	(SEDIGRAPH)	84.54	
GRAVEL+SAND	-.00	SILT/(SILT+CLAY)	15.46	PCT.GRAV+SAND/SILT+CLAY			-.00	
LABELS SHEPARD	-CLAY	FOLK(GMS)-MUD		(SCS)-CLAY				

LP 29-3 020882

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT.= 16.9505

08/10/82

PHI	PCT.	CUMPCT.	
3.50	0.00		
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	.59	.59	*
5.50	.59	1.18	*
6.00	0.00	1.18	
6.50	0.00	1.18	
7.00	2.35	3.53	**
7.50	4.71	8.24	*****
8.00	3.53	11.76	****
8.50	5.88	17.65	*****
9.00	8.24	25.88	*****
9.50	9.41	35.29	*****
10.00	9.41	44.71	*****
10.50	7.06	51.76	*****
11.00	5.88	57.65	*****
11.50	4.71	62.35	*****
12.00	3.53	65.88	*****
****	34.12	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.30 1.43 -.22 .11 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	5TH	16TH	25TH
	10.38	7.16	8.36	8.95
		75TH*****	84TH*****	95TH*****
PCT. GRAVEL	0.00	SAND -.00	SILT (PIPETTE) 8.33	CLAY (PIPETTE) 91.67
			(SEDIGRAPH) 11.76	(SEDIGRAPH) 88.24
GRAVEL+SAND	-.00	SILT/(SILT+CLAY) 11.76	PCT.GRAV+SAND/SILT+CLAY	-.00
LABELS SHEPARD	-CLAY	FOLK(GMS)-MUD		(SCS)-CLAY

08/10/82

PHI	PCT.	CUMFCT.	
3.50	0.00	0.00	
4.00	0.00	0.00	
4.50	0.00	0.00	
5.00	0.56	0.56	*
5.50	0.56	1.12	*
6.00	1.12	1.12	
6.50	1.12	2.25	*
7.00	2.25	2.25	**
7.50	4.49	4.49	****
8.00	5.62	8.99	*****
8.50	6.74	14.61	*****
9.00	7.87	21.35	*****
9.50	8.99	29.21	*****
10.00	7.87	38.20	*****
10.50	7.87	46.07	*****
11.00	4.49	53.93	****
11.50	4.49	58.43	****
12.00	37.08	62.92	*****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

9.52 1.37 -.23 -.05 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 10.75	5TH 7.56	16TH 8.60	25TH 9.23
		75TH*****	84TH*****	95TH*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	9.70	CLAY (PIPETTE)	90.30
				(SEDIGRAPH)	8.99	(SEDIGRAPH)	91.01

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 8.99 PCT.GRAV+SAND/SILT+CLAY -.00

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

LP 31-3 190782

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT.= 24.0247

07/23/82

PHI	FCT.	CUMFCT.	
3.50	0.00		
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	1.01	1.01	*
6.50	1.01	2.02	*
7.00	2.02	4.04	**
7.50	4.04	8.08	****
8.00	5.05	13.13	*****
8.50	6.06	19.19	*****
9.00	8.08	27.27	*****
9.50	7.07	34.34	*****
10.00	8.08	42.42	*****
10.50	7.07	49.49	*****
11.00	6.06	55.56	*****
11.50	7.07	62.63	*****
12.00	5.05	67.68	*****
*****	32.32	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.39 1.49 -.13 -.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 10.54	5TH 7.12	16TH 8.24	25TH 8.86
		75TH*****	84TH*****	95TH*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	11.67	CLAY (PIPETTE)	88.33
				(SEDIGRAPH)	13.13	(SEDIGRAPH)	86.87

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 13.13 PCT.GRAV+SAND/SILT+CLAY -.00

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

08/10/82

PHI PCT. CUMFCT.

3.50			
4.00	0.00	0.00	
4.50	.51	.51	*
5.00	.51	1.01	*
5.50	0.00	1.01	
6.00	0.00	1.01	
6.50	1.52	2.53	**
7.00	1.52	4.04	**
7.50	4.04	8.08	****
8.00	5.05	13.13	*****
8.50	6.06	19.19	*****
9.00	9.09	28.28	*****
9.50	10.10	38.38	*****
10.00	8.08	46.46	*****
10.50	8.08	54.55	*****
11.00	6.06	60.61	*****
11.50	6.06	66.67	*****
12.00	4.04	70.71	*****
*****	29.29	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.31 1.48 -.25 .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 10.22	5TH 7.12	16TH 8.24	25TH 8.82
		75TH*****	84TH*****	95TH*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	10.46	CLAY (PIPETTE)	89.54
				(SEDIGRAPH)	13.13	(SEDIGRAPH)	86.87
GRAVEL+SAND	-.00	SILT/(SILT+CLAY)	13.13	PCT.GRAV+SAND/SILT+CLAY			-.00
LABELS SHEPARD	-CLAY	FOLK(5MS)	-MUD			(SCS)	-CLAY

08/10/82

PHI	PCT. COMPCT.		
3.50	0.00		
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	0.00	**
6.50	3.00	2.00	***
7.00	6.00	5.00	*****
7.50	6.00	11.00	*****
8.00	7.00	17.00	*****
8.50	10.00	24.00	*****
9.00	10.00	34.00	*****
9.50	7.00	44.00	*****
10.00	8.00	51.00	*****
10.50	6.00	59.00	*****
11.00	5.00	65.00	*****
11.50	4.00	70.00	*****
12.00	26.00	74.00	*****
*****	100.00		*****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.17 1.43 -.02 -.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	9.93	5TH	7.00	16TH	7.92	25TH	8.55
			75TH	*****	84TH	*****	95TH	*****

PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	14.44	CLAY (PIPETTE)	85.56
				(SEDIGRAPH)	17.00	(SEDIGRAPH)	83.00
GRAVEL+SAND	-.00	SILT/(SILT+CLAY)	17.00	PCT.GRAV+SAND/SILT+CLAY			-.00
LABELS SHEPARD	-CLAY	FOLK(GMS)-MUD		(SCS)-CLAY			

08/10/82

PHI	PCT. COMPCT.	
3.50	0.00	
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	1.08	1.08 *
6.50	2.15	3.23 **
7.00	1.08	4.30 *
7.50	8.06	12.37 *****
8.00	5.91	18.28 *****
8.50	6.45	24.73 *****
9.00	10.75	35.48 *****
9.50	8.60	44.09 *****
10.00	7.53	51.61 *****
10.50	6.45	58.06 *****
11.00	6.45	64.52 *****
11.50	4.30	68.82 *****
12.00	4.30	73.12 *****
*****	26.88	100.00 *****

MEAN ST.DEV. SKEWNESS KURTOSIS

9.11 1.48 -.03 -.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	9.89	5TH	7.04	16TH	7.81	25TH	6.51
			75TH*****		84TH*****		95TH*****	
PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	15.48	CLAY (PIPETTE)	84.52	
				(SEDIGRAPH)	18.28	(SEDIGRAPH)	81.72	
GRAVEL+SAND	-.00	SILT/(SILT+CLAY)	18.28	PCT.GRAV+SAND/SILT+CLAY	-.00			
LABELS SHEPARD	-CLAY	FOLK(GMS)-MUD		(SCS)-CLAY				

08/10/82

PHI	PCT.	CUMFCT.	
3.50	0.00		
4.00	0.00	0.00	
4.50	0.00	0.00	*
5.00	1.10	1.10	
5.50	0.00	1.10	*
6.00	.55	1.65	**
6.50	1.65	3.30	***
7.00	3.30	6.59	***
7.50	3.30	9.89	*****
8.00	9.89	19.78	*****
8.50	8.79	28.57	*****
9.00	9.89	38.46	*****
9.50	9.89	48.35	*****
10.00	7.69	56.04	*****
10.50	5.49	61.54	*****
11.00	5.49	67.03	*****
11.50	4.40	71.43	****
12.00	3.30	74.73	***
*****	25.27	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

8.97 1.48 -.08 -.15 KRUMHOLTZ + 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	9.61	5TH	6.76	16TH	7.81	25TH	8.30
			75TH*****		84TH*****		95TH*****	

PCT. GRAVEL 0.00 SAND -.00 SILT (PIPETTE) 16.64 CLAY (PIPETTE) 83.36
 (SEDIGRAPH) 19.78 (SEDIGRAPH) 80.22

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 19.78 PCT.GRAV+SAND/SILT+CLAY -.00

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

08/10/82

PHI	FCT.	CUMPCT.	
3.50	0.00	0.00	
4.00	0.00	0.00	
4.50	1.05	0.00	*
5.00	0.00	1.05	
5.50	0.00	1.05	
6.00	1.05	1.05	*
6.50	3.16	2.11	***
7.00	5.26	5.26	*****
7.50	7.37	10.53	*****
8.00	8.42	17.89	*****
8.50	10.53	26.32	*****
9.00	10.53	36.84	*****
9.50	7.37	47.37	*****
10.00	7.37	54.74	*****
10.50	4.21	62.11	****
11.00	5.26	66.32	*****
11.50	5.26	71.58	*****
12.00	23.16	76.84	*****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

9.12 1.49 -.07 -.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	9.68	5TH	6.96	16TH	7.87	25TH	8.42
			75TH	11.83	84TH	*****	95TH	*****
PCT. GRAVEL	0.00	SAND	-.00	SILT (PIPETTE)	15.46	CLAY (PIPETTE)	84.54	
				(SEDIGRAPH)	17.89	(SEDIGRAPH)	82.11	
GRAVEL+SAND	-.00	SILT/(SILT+CLAY)	17.89	PCT.GRAV+SAND/SILT+CLAY			-.00	
LABELS SHEPARD	-CLAY	FOLK(GMS)-MUD		(SCS)-CLAY				

LP 37-3 B 020882

SIEVE, SH. PIP., SEDIGRAPH SAMPLE WT.= 19.3242

08/10/82

PHI PCT. CUMFCT.

3.50	0.00		
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	1.16	0.00	*
6.50	4.65	1.16	*****
7.00	6.98	5.81	*****
7.50	6.98	12.79	*****
8.00	9.30	19.77	*****
8.50	9.30	29.07	*****
9.00	10.47	38.37	*****
9.50	6.98	48.84	*****
10.00	6.98	55.81	*****
10.50	5.81	62.79	*****
11.00	3.49	68.60	***
11.50	4.65	72.09	*****
12.00	23.26	76.74	*****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

9.05 1.43 .07 -.83

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	9.58	5TH	6.91	16TH	7.73	25TH	8.28
			75TH	11.81	84TH	*****	95TH	*****

PCT. GRAVEL 0.00 SAND -.00 SILT (PIPETTE) 15.35 CLAY (PIPETTE) 84.65
 (SEDIGRAPH) 19.77 (SEDIGRAPH) 80.23

GRAVEL+SAND -.00 SILT/(SILT+CLAY) 19.77 PCT.GRAV+SAND/SILT+CLAY -.00

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