

HYDRAULICS DIVISION
TECHNICAL NOTE

DATE: June 1982 **REPORT NO:** 82-14

TITLE: Particle Size Data Report - Turkey Lakes

AUTHOR: G. A. Duncan

REASON FOR REPORT: This report responds to a request for particle size data from D. W. Cowell, Lands Directorate.

CORRESPONDENCE FILE NO:
5690 (Study No. 302)

1.0 INTRODUCTION

This report provides the results of particle size analysis on sediments from the Turkey Lakes. D. Cowell, Lands Directorate, submitted 71 samples for the 1981 Turkey Lakes study requesting sand, silt and clay percentages.

The samples were analysed by Keith Salisbury using three procedures (Duncan and LaHaie, 1979).

2.0 PROCEDURES

(1) 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/l) 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).

(2) 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) The Sieve, Short Pipette and Settling Tube Analysis, which provides gravel, sand, silt and clay percentages with 1/2 PHI resolution of the sand by the settling tube procedure was performed on one sample.

Briefly, the procedure consists of:

1. Splitting the sample to 20 g.
2. Sieving the split at -0.5 PHI (1.41 mm).
3. Dispersing the sample in 50 ml of Calgon solution (50 g/l) and mixing it for 15 minutes.
4. Recovering two pipette aliquots of 25 ml for sand, silt and clay percentages.
5. Wet sieving the remaining suspension at 4.5 PHI (0.044 mm).
6. Resolving the sand residue with settling tube analysis.
7. Processing the results with SIZDIST: a FORTRAN IV computer program (Sandilands and Duncan, 1980).

3.0 RESULTS

- (1) 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.
- (2) 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.
- (3) For the Sieve, Short Pipette and Settling Tube Method, the output consists of:
1. A histogram of the frequency distribution.
 2. The percentages and cumulative percentages of the material occurring within 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 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

05/19/62

PHI FCT. CONFCT.

2.00			*****
-1.50	6.79	6.79	***
-1.00	2.90	9.68	*****
-.50	4.89	14.97	*****
0.00	.41	14.98	*****
.50	5.75	20.73	**
1.00	2.05	22.76	**
1.50	2.05	24.84	****
2.00	3.70	26.54	*****
2.50	10.27	38.80	*****
3.00	4.93	43.73	*****
3.50	4.11	47.84	****
4.00	2.88	50.71	***
4.50	0.00	50.71	**
5.00	1.54	52.25	**
5.50	1.54	53.79	**
6.00	1.54	55.34	*****
6.50	7.70	63.04	*****
7.00	7.70	70.74	*****
7.50	4.62	75.36	*****
8.00	4.62	79.98	*****
8.50	3.08	83.06	***
9.00	3.08	86.14	***
*****	13.85	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

3.48 3.27 -.02 -1.29

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	3.88	5TH	-1.63	16TH	.09	25TH	1.52
			75TH	7.46	84TH	6.65	95TH	*****
PCT. GRAVEL	9.68	SAND	41.03	SILT (PIPETTE)	37.66	CLAY (PIPETTE)	11.63	
				(SEDIGRAPH)	29.26	(SEDIGRAPH)	20.02	
GRAVEL+SAND	50.71	SILT/(SILT+CLAY)	59.38	PCT. GFAV+SAND/SILT+CLAY	1.03			

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

05/19/62

PHI	POI.	CUMECT.	
-3.00			
-2.50	1.75	1.75	
-2.00	6.06	7.83	*****
-1.50	8.04	15.87	*****
-1.00	8.08	23.95	*****
-.50	8.53	32.73	*****
0.00	.19	32.98	
.50	4.09	37.07	***
1.00	2.34	39.41	**
1.50	2.73	42.13	**
2.00	2.73	44.86	**
2.50	6.04	50.90	*****
3.00	5.65	56.55	*****
3.50	4.29	60.84	*****
4.00	.07	61.91	*
4.50	1.19	63.01	*
5.00	3.56	66.59	****
5.50	4.77	71.36	****
6.00	3.98	75.34	****
6.50	3.18	78.52	***
7.00	3.18	81.70	***
7.50	3.98	85.68	***
8.00	2.39	88.07	**
8.50	2.79	90.45	**
9.00	.80	91.25	*
*****	8.75	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

2.12 3.38 .14 -1.24

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	2.43	5TH	-2.23	16TH	-1.49	25TH	-.94
			75TH	5.96	84TH	7.29	95TH	*****

PCT. GRAVEL	23.95	SAND	37.86	SILT (PIPETTE)	30.45	CLAY (PIPETTE)	7.74
				(SEDIGRAPH)	26.25	(SEDIGRAPH)	11.93
GRAVEL+SAND	61.81	SILT/(SILT+CLAY)	63.75	PCT. GRAV+SAND/SILT+CLAY			1.62

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS - ORGANIC DEBRITUS PRESENT

PHI PCT. CUMFCT.

05/26/62

-3.00			*****
-2.50	5.97	5.97	*****
-2.00	5.02	10.99	*****
-1.50	7.88	18.86	*****
-1.00	6.51	25.37	*****
	8.04		*****
-.50		33.42	
0.00	2.02	35.43	**
.50	12.78	48.22	*****
	3.36		**
1.00	6.73	51.58	*****
1.50		58.31	
2.00	6.06	64.37	*****
2.50	6.06	70.42	*****
3.00	6.06	76.48	*****
3.50	4.71	81.19	*****
4.00	3.36	84.55	**
4.50	0.00	84.55	
5.00	1.24	85.79	*
	1.85		**
5.50		87.64	
6.00	.62	88.26	*
6.50	.62	88.88	*
7.00	1.85	90.73	**
	1.24		*
7.50		91.97	
8.00	1.24	93.20	*
8.50	.62	93.82	*
9.00	.93	94.75	*
	5.25		*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

.99 2.68 .40 .27

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	.76	5TH	-2.58	16TH	-1.68	25TH	-1.03
			75TH	2.88	84TH	3.92	95TH	*****

PCT. GRAVEL	25.37	SANDS	59.18	SILT (PIPETTE)	3.94	CLAY (PIPETTE)	11.51
				(SEDIGRAPH)	6.65	(SEDIGRAPH)	6.80

GRAVEL+SAND 34.55 SILT/(SILT+CLAY) 56.00 PCT. GRAV+SAND/SILT+CLAY 5.47

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

PHI PCT. CUMFCT.

06/14/52

-2.50			*****
-2.00	5.96	5.96	
-1.50	7.29	13.25	*****
-1.00	9.76	23.01	*****
-.50	10.42	33.43	*****
0.00	.32	33.75	
.50	8.31	42.06	*****
1.00	4.48	46.54	****
1.50	4.16	50.69	****
2.00	4.16	54.85	****
2.50	4.16	59.01	****
3.00	3.84	62.84	****
3.50	4.48	67.32	****
4.00	3.84	71.16	
4.50	0.00	71.16	
5.00	1.10	72.25	*
5.50	1.10	73.35	*
6.00	1.46	74.81	*
6.50	1.10	75.90	*
7.00	1.10	77.00	*
7.50	1.46	78.46	*
8.00	.73	79.19	*
8.50	1.10	80.28	*
9.00	.37	80.65	
*****	19.35	100.00	*****

MEAN ST. DEV. SKERNESS KURTOSIS

1.02 2.69 .46 .13

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	1.42	5TH	-2.06	16TH	-1.35	25TH	-.90
			75TH	6.09	84TH	*****	95TH	*****
PCT. GRAVEL	23.01	SAND	46.15	SILT (PIPETTE)	20.75	CLAY (PIPETTE)	8.10	
				(SEDIGRAPH)	8.03	(SEDIGRAPH)	20.81	

GRAVEL+SAND 71.16 SILT/(SILT+CLAY) 27.85 PCT. GRAV+SAND/SILT+CLAY 2.47

ABELS SHEPARD -CLAYEY SAND FOLK(GMS)-GRAVELLY MUDDY SAND (SOS)-

PHI FCT. CUMFCT.

06/1-1/62

-3.00			*
2.50	1.32	1.32	
-2.00	4.69	6.01	*****
-1.50	7.55	13.56	*****
-1.00	10.92	24.48	*****
	10.42		*****
-0.50		34.90	
0.00	0.00	34.90	
.50	.15	35.05	
1.00	.44	35.49	
	.30		
1.50		35.79	
2.00	.59	36.38	*
2.50	.59	36.97	*
3.00	1.04	38.01	*
	1.33		*
3.50		39.34	
4.00	1.33	40.68	*
4.50	.96	41.63	*
5.00	6.70	48.33	*****
	7.65		*****
5.50		55.99	
6.00	7.65	63.64	*****
6.50	7.65	71.30	*****
7.00	9.57	80.86	*****
	7.65		*****
7.50		88.52	
8.00	5.74	94.26	*****
8.50	4.78	99.04	*****
	.96		*
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

3.42	3.77	-.18	-1.57
3.64	3.69	-.46	.54

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 8.5 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	5.11	5TH	-2.11	16TH	-1.39	25TH	-.97
			75TH	6.69	84TH	7.20	95TH	8.06

PCT. GRAVEL	24.48	SAND	16.20	SILT (PIPETTE)	33.69	CLAY (PIPETTE)	25.64
				(SEDIGRAPH)	53.58	(SEDIGRAPH)	5.74

GRAVEL+SAND 40.68 SILT/(SILT+CLAY) 90.32 PCT.GRAV+SAND/SILT+CLAY .69

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

PHI PCT. CUMPT.

05/19/52

3.00			
-2.50	5.54		++++
-2.00	13.16		+++++
-1.50	18.26		++
-1.00	20.05		+++++
-.50	26.31		
0.00	28.73		+++
.50	30.03		++
1.00	32.50		
1.50	38.74		++
2.00	39.39		+++
2.50	38.28		+++++
3.00	43.24		+++++
3.50	48.43		++++
4.00	53.55		+
4.50	54.56		+++++
5.00	59.11		+++++
5.50	65.67		+++++
6.00	72.74		+++++
6.50	81.82		+++++
7.00	84.85		+++
7.50	87.85		++
8.00	89.90		+
8.50	90.91		+
9.00	91.92		+++++
5.08	100.00		+++++

MEAN ST. DEV. SKEWNESS KURTOSIS

2.67 3.45 -.11 -1.31

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH
	3.57	-2.72	-1.72	-.60
		75TH	84TH	95TH
		5.12	6.86	+++++

PCT. GRAVEL 20.05 SAND 33.51 SILT (PIPETTE) 37.49 CLAY (PIPETTE) 8.95
 (SEDIGRAPH) 36.35 (SEDIGRAPH) 10.10

GRAVEL+SAND 53.55 SILT/(SILT+CLAY) 78.26 PCT. GRAV+SAND/SILT+CLAY 1.15

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS -
 ORGANIC DETRITUS PRESENT

PHI PCT. CORRECT.

05/19/62

2.00	10.51		*****
-1.50	6.25	10.61	*****
-1.00	5.80	16.47	*****
-.50	.48	22.67	
0.00	0.69	23.13	*****
.50	4.83	31.84	*****
1.00	3.36	36.66	*****
1.50	3.86	40.52	*****
2.00	4.31	44.38	*****
2.50	4.83	48.73	*****
3.00	5.31	53.55	*****
3.50	3.36	58.16	*****
4.00	1.35	62.24	
4.50	0.00	63.59	
5.00	1.35	63.59	
5.50	2.02	64.93	**
6.00	2.02	66.96	**
6.50	2.70	66.96	**
7.00	5.31	71.66	*****
7.50	4.00	77.07	*****
8.00	1.00	81.12	*****
8.50	1.35	85.16	*
9.00	13.49	86.51	*****
*****		100.00	

MEAN S.D. DEV. SKEWNESS KURTOSIS

2.43 3.32 .22 -1.10 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	2.63	5TH	-1.76	16TH	-1.07	25TH	.11
			75TH	7.31	84TH	6.36	95TH	*****
PCT. GRAVEL	16.87	SAND	45.37	SILT (PIPETTE)	29.33	CLAY (PIPETTE)	8.43	
				(SEDIGRAPH)	16.66	(SEDIGRAPH)	16.66	
GRAVEL+SAND	62.24	SILT/(SILT+CLAY)	50.00	PCT. GRAV+SAND/SILT+CLAY	1.65			

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

05/19/82

PHI	PCT. CUMPCT.		
-2.00	14.87		*****
-1.50	8.22	14.67	*****
-1.00	6.79	23.09	*****
-.50	.53	29.88	*
0.00	10.16	30.41	*****
.50	4.81	40.58	*****
1.00	4.28	45.39	****
1.50	5.35	49.67	****
2.00	4.28	55.02	****
2.50	4.28	59.30	****
3.00	4.28	63.58	****
3.50	3.21	67.86	***
4.00	0.00	71.07	
4.50	2.82	71.07	***
5.00	2.82	73.89	***
5.50	2.82	76.72	***
6.00	3.53	79.54	****
6.50	2.12	83.07	**
7.00	2.82	85.18	***
7.50	1.41	88.00	*
8.00	1.41	89.42	*
8.50	.71	90.83	*
9.00	8.47	91.53	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

1.71 2.99 .31 -.77

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	1.53	5TH	-1.93	16TH	-1.43	25TH	-.86
			75TH	5.20	84TH	6.72	95TH	*****
PCT. GRAVEL	23.09	SAND	47.95	SILT (PIPETTE)	23.34	CLAY (PIPETTE)	5.59	
				(SEDIGRAPH)	18.35	(SEDIGRAPH)	10.58	
GRAVEL+SAND	71.07	SILT/(SILT+CLAY)	63.41	PCT. GRAV+SAND/SILT+CLAY	2.46			

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

TL81 10 67+ 100582

SIEVE.SETT.TUBE,PIPET,SEDIGRAPH SAMPLE WT.= 23.2057

05/19/82

PHI	PCT. CUMPCT.	
-2.00		*****
-1.50	7.11	*****
-1.00	2.63 7.11	***
-0.50	7.50 9.74	*****
0.00	.32 17.24	
.50	8.62 17.56	*****
1.00	4.47 26.18	***
1.50	4.47 30.65	***
2.00	5.11 35.12	*****
2.50	5.11 40.23	*****
3.00	5.75 45.34	*****
3.50	7.03 51.09	*****
4.00	4.47 56.12	***
4.50	2.55 62.59	***
5.00	3.40 65.14	***
5.50	4.25 68.54	***
6.00	3.40 72.79	***
6.50	3.40 76.19	***
7.00	3.40 79.59	***
7.50	3.40 82.99	***
8.00	2.55 86.40	***
8.50	.85 89.80	*
9.00	.85 90.65	*
*****	9.35 100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

2.62 2.65 .11 -.97

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH	75TH	84TH	95TH
	2.91	-1.65	-.58	.43	5.82	7.15	*****
PCT. GRAVEL	9.74	SAND 52.85	SILT (PIPETTE) 31.29	CLAY (PIPETTE) 6.12	(SEDIGRAPH) 26.36	(SEDIGRAPH) 11.05	
GRAVEL+SAND	62.59	SILT/(SILT+CLAY)	70.45PCT.GRAV+SAND/SILT+CLAY		1.67		

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

06/14/62

PHI	FCT.	CUMFCT.	
-2.50			*
-2.00	.69	.69	**
-1.50	1.57	2.25	****
-1.00	4.55	6.80	*****
-.50	7.83	14.63	*****
0.00	0.00	14.63	
.50	.33	14.96	
1.00	.33	15.29	
1.50	.33	15.62	
2.00	1.65	17.27	**
2.50	.65	17.93	*
3.00	2.31	20.24	**
3.50	2.97	23.21	***
4.00	3.30	26.51	***
4.50	1.44	27.95	*
5.00	5.76	33.71	*****
5.50	11.53	45.24	*****
6.00	10.09	55.33	*****
6.50	10.09	65.41	*****
7.00	5.76	71.18	*****
7.50	7.21	78.38	*****
8.00	5.76	84.15	*****
8.50	2.68	87.03	***
9.00	2.68	89.91	***
9.50	10.09	89.91	*****
10.00	10.09	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

4.64 2.97 -.47 -.26 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH
	5.74	-1.20	1.61	3.77
		7.27	7.99	*****
PCT. GRAVEL	6.80	SAND 19.70	SILT (PIPETTE) 57.31	CLAY (PIPETTE) 16.13
			(SEDIGRAPH) 57.64	(SEDIGRAPH) 15.85

GRAVEL+SAND 26.51 SILT/(SILT+CLAY) 78.43 PCT.GRAV+SAND/SILT+CLAY .36

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

COMMENTS - ORGANIC DETRITUS PRESENT

PHI PCT. CUMFCT.

06/14/62

-2.50			=
-2.00	.81	.81	
-1.50	2.26	3.06	**
-1.00	5.45	8.51	*****
-.50	8.68	17.20	*****
0.00	0.00	17.20	
.50	.59	17.79	*
1.00	1.18	18.97	*
1.50	.59	19.56	*
2.00	.96	20.54	*
2.50	.79	21.33	*
3.00	1.38	22.70	*
3.50	1.97	24.67	**
4.00	3.34	28.02	***
4.50	1.64	29.65	**
5.00	11.45	41.10	*****
5.50	9.82	50.92	*****
6.00	8.18	59.10	*****
6.50	11.45	70.55	*****
7.00	6.54	77.10	*****
7.50	8.18	85.28	*****
8.00	3.27	88.55	***
8.50	4.91	93.46	*****
9.00	3.27	96.73	***
*****	3.27	100.00	***

MEAN ST. DEV. SKEWNESS KURTOSIS

4.53	3.07	-.43	-.46
4.10	3.52	-.43	1.25

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.0 TO 9.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	5.45	5TH	-1.32	16TH	-.57	25TH	3.55
			75TH	6.84	84TH	7.42	95TH	6.7-
PCT. GRAVEL	8.51	SAND	19.50	SILT (PIPETTE)	57.41	CLAY (PIPETTE)	14.57	
				(SEDIGRAPH)	60.53	(SEDIGRAPH)	11.45	

GRAVEL+SAND 28.02 SILT/(SILT+CLAY) 84.09 PCT. GRAV+SAND/SILT+CLAY .39
 LABELS SHEPARD -SANDY SILT FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS - ORGANIC DETRITUS PRESENT

PHI PCT. CUMPCT.

06/14/62

2.00			
-1.50	1.09	1.09	*
-1.00	1.18	2.27	*
-.50	3.09	5.37	***
0.00	6.00	5.37	
.50	1.54	6.91	**
1.00	1.29	8.20	*
1.50	1.03	9.23	*
2.00	1.03	10.26	*
2.50	1.80	11.29	**
3.00	2.83	13.09	***
3.50	4.69	15.92	*****
4.00	6.00	20.91	
4.50	4.52	20.91	*****
5.00	12.44	25.34	*****
5.50	16.97	37.78	*****
6.00	12.44	54.75	*****
6.50	9.05	67.19	*****
7.00	7.92	76.24	*****
7.50	4.52	84.16	*****
8.00	2.26	88.69	**
8.50	3.39	90.95	***
9.00	5.86	94.34	*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

5.27 2.33 -.64 1.36 KRUMBEIN + PETTIGROH (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.86	5TH	- .56	16TH	3.51	25TH	4.96
			75TH	6.93	84TH	7.49	95TH	*****

PCT. GRAVEL 2.27 SAND 18.54 SILT (PIPETTE) 68.87 CLAY (PIPETTE) 10.31 (SEDIGRAPH) 67.87 (SEDIGRAPH) 11.31

GRAVEL+SAND 20.81 SILT/(SILT+CLAY) 65.71 PCT.GRAV+SAND/SILT+CLAY .26

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

05/19/82

PHI	PCT. COMPCT.	
2.00	23.84	*****
-1.50	23.84	
-1.00	8.03	31.86
-0.50	7.06	38.93
0.00	1.73	40.66
0.50	3.71	44.37
1.00	2.23	46.60
1.50	2.47	49.07
2.00	2.23	51.30
2.50	2.47	53.77
3.00	2.97	56.74
3.50	3.22	59.95
4.00	2.47	62.43
4.50	.70	63.12
5.00	.70	63.82
5.50	0.00	63.82
6.00	1.39	65.21
6.50	2.78	67.99
7.00	5.57	73.56
7.50	5.57	79.13
8.00	2.78	81.91
8.50	4.17	86.08
9.00	1.39	87.48
*****	12.52	100.00

MEAN ST. DEV. SKEWNESS KURTOSIS

1.67 3.68 .28 -1.27 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH			
	1.71	-1.90	-1.66	-1.43			
		75TH	84TH	95TH			
		7.13	8.25	*****			
PCT. GRAVEL	31.86	SAND	30.56	SILT (PIPETTE)	28.52	CLAY (PIPETTE)	9.05
				(SEDIGRAPH)	19.48	(SEDIGRAPH)	18.09
GRAVEL+SAND	62.43	SILT/(SILT+CLAY)	51.85	PCT. GRAV+SAND/SILT+CLAY	1.66		
LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY GRAVEL (SGS)-							

06/14/82

PHI	PCT. CUMECT.	
3.00		*****
-2.50	7.30	
-2.00	11.01	7.30
-1.50	13.32	18.31
-1.00	11.33	31.63
-0.50	11.96	42.96
0.00	.16	54.93
.50	5.41	55.09
1.00	3.28	60.50
1.50	3.60	63.77
2.00	4.59	67.35
2.50	3.93	71.96
3.00	2.95	75.89
3.50	2.95	78.84
4.00	1.97	81.79
8.00	13.13	83.76
****	3.11	96.89
****		100.00

MEAN ST. DEV. SKEWNESS KURTOSIS

-.49	1.82	.38	-.56	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 4.0 PHI
.42	3.07	.58	1.00	FOLK GRAPHIC STATISTICAL PARAMETERS, FOLK AND WARE, 1957

PERCENTILES	MEDIAN	5TH	16TH	25TH
	-.71	-2.65	-2.10	-1.75
		75TH	84TH	95TH
		2.39	+ .07	7.42
PCT. GRAVEL	42.96	SAND	40.80	SILT (PIPETTE)
				13.13
				CLAY (PIPETTE)
				3.11
			(SEDIGRAPH)	0.00
			(SEDIGRAPH)	0.00
GRAVEL+SAND	83.76	SILT/(SILT+CLAY)	80.86	PCT. GRAV+SAND/SILT+CLAY
				5.16
LABELS SHEPARD	-SAND	FOLK(GMS)-MUDDY SANDY GRAVEL	(SCS)-	
COMMENTS -				
NO SEDIGRAPH				

05/19/62

PHI PCT. CORRECT.

3.00			
-2.50	1.30	1.30	
-2.00	.61	1.91	
-1.50	3.62	5.53	****
-1.00	5.37	10.89	*****
-.50	6.91	17.80	*****
0.00	.03	17.83	
.50	.90	18.73	
1.00	1.35	20.58	**
1.50	.62	21.20	
2.00	1.51	22.75	**
2.50	1.85	24.60	**
3.00	4.33	26.92	****
3.50	5.25	31.18	*****
4.00	5.25	39.43	*****
4.50	0.00	39.43	
5.00	2.09	41.52	**
5.50	0.00	41.52	
6.00	0.00	41.52	
6.50	6.27	47.78	*****
7.00	4.18	51.86	****
7.50	5.27	55.23	*****
8.00	6.27	64.49	*****
8.50	6.27	70.76	*****
9.00	4.18	75.94	****
25.00			*****
*****	25.00	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

3.93 3.64 -.15 -1.34 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES MEDIAN 6.77 5TH -1.57 16TH -.63 25TH 2.55
75TH 39.67 84TH***** 95TH*****

PCT. GRAVEL 10.89 SAND 26.54 SILT (PIPETTE) 48.43 CLAY (PIPETTE) 12.14
(SEDIGRAPH) 25.06 (SEDIGRAPH) 35.51

GRAVEL+SAND 39.43 SILT/(SILT+CLAY) 41.38 PCT.GRAV+SAND/SILT+CLAY .65

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

COMMENTS -
ORGANIC DETRITUS PRESENT

PHI PCT. CUMPT.

05/19/62

3.00			
-2.50	1.91	1.91	****
-2.00	7.88	5.77	****
-1.50	2.50	8.27	****
-1.00	3.71	11.98	****
-.50	5.61	17.79	****
0.00	.22	18.01	****
.50	3.43	23.45	****
1.00	2.17	25.60	****
1.50	1.74	27.34	****
2.00	3.04	30.38	****
2.50	3.47	33.85	****
3.00	4.78	38.63	****
3.50	7.25	46.88	*****
4.00	5.64	52.52	*****
4.50	.97	53.49	*****
5.00	5.61	59.30	*****
5.50	7.75	67.05	*****
6.00	5.61	72.67	*****
6.50	4.65	77.71	*****
7.00	3.39	81.10	*****
7.50	3.78	84.50	*****
8.00	2.91	87.40	*****
8.50	1.94	89.34	*****
9.00	.97	90.31	*****
****	9.69	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

3.13 3.08 -.12 -1.00

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	3.78	5TH	-2.10	16TH	-.65	25TH	.66
			75TH	6.22	84TH	7.43	95TH	*****

PCT. GRAVEL	11.98	SAND	40.54	SILT (PIPETTE)	39.58	CLAY (PIPETTE)	7.90
				(SEDIGRAPH)	34.86	(SEDIGRAPH)	12.60

GRAVEL+SAND 52.52 SILT/(SILT+CLAY) 73.47PCT.GRAV+SAND/SILT+CLAY 1.11

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

05/26/32

PHI	PCT.	CUM.PCT.	
3.00	1.56		**
-2.50	0.00	1.56	
-2.00	2.91	1.56	***
-1.50	4.96	4.47	*****
-1.00	5.04	9.43	*****
-0.50	0.00	14.47	
0.00	12.48	14.47	*****
.50	8.64	26.95	*****
1.00	7.68	35.59	*****
1.50	9.60	43.27	*****
2.00	8.64	52.87	*****
2.50	10.56	61.51	*****
3.00	13.44	72.07	*****
3.50	7.68	85.51	*****
4.00	.07	93.19	
4.50	1.02	93.25	*
5.00	.95	94.28	*
5.50	.82	95.23	*
6.00	.55	96.05	*
6.50	.68	96.59	*
7.00	.68	97.27	*
7.50	.27	97.96	
8.00	.14	98.23	
8.50	.14	98.36	
9.00	1.50	98.50	*
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

1.72 1.91 .09 .47

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

1.79 1.88 -.01 1.04

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 1.85 5TH -1.45 16TH .05 25TH .42
75TH 3.11 84TH 3.44 95TH 5.38

PCT. GRAVEL 9.43 SAND 83.75 SILT (PIPETTE) -67.70 CLAY (PIPETTE) 74.51
(SEDIGRAPH) 5.04 (SEDIGRAPH) 1.77

GRAVEL+SAND 93.19 SILT/(SILT+CLAY) 74.00 PCT.GRAV+SAND/SILT+CLAY 13.67

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

COMMENTS -
ORGANIC DETRITUS PRESENT

05/19/82

PHI	PCT. COMPCT.	
-2.00	7.65	*****
-1.50	4.05	7.65
-1.00	6.48	11.70
-.50	1.07	18.18
0.00	7.50	19.25
.50	5.62	26.75
1.00	5.62	32.38
1.50	5.36	38.00
2.00	6.16	43.36
2.50	6.96	49.52
3.00	6.96	56.48
3.50	2.95	63.44
4.00	0.00	66.39
4.50	0.00	66.39
5.00	1.40	66.39
5.50	4.20	67.79
6.00	4.20	71.99
6.50	4.20	76.19
7.00	5.60	80.39
7.50	2.80	86.00
8.00	1.40	88.80
8.50	2.80	90.20
9.00	7.00	93.00
*****	100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

2.69 3.10 .18 -1.03

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	2.53	5TH	-1.67	16TH	-.67	25TH	.38
			75TH	6.36	84TH	7.32	95TH	*****
PCT. GRAVEL	11.70	SAND	54.69	SILT (PIPETTE)	26.14	CLAY (PIPETTE)	5.47	
				(SEDIGRAPH)	22.41	(SEDIGRAPH)	11.20	
GRAVEL+SAND	66.39	SILT/(SILT+CLAY)	66.67	PCT. GRAV+SAND/SILT+CLAY	1.98			
LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUDDY SAND (SCS)-								

06/07/62

PHI	FCT.	CUMFCT.	
-3.00			***
-2.50	2.66	2.66	**
-2.00	2.15	4.81	***
-1.50	3.00	7.81	*****
-1.00	4.77	12.58	*****
-.50	6.75	19.33	*
0.00	.57	19.90	*****
.50	7.12	27.02	*****
1.00	5.13	32.15	*****
1.50	5.13	37.28	*****
2.00	6.27	43.55	*****
2.50	5.70	49.24	*****
3.00	5.98	55.22	*****
3.50	7.41	62.63	*****
4.00	4.84	67.47	*
4.50	1.05	68.52	****
5.00	4.20	72.72	****
5.50	4.20	76.92	***
6.00	3.15	80.06	***
6.50	4.20	84.26	***
7.00	3.15	87.41	**
7.50	2.10	89.51	***
8.00	3.15	92.66	**
8.50	2.10	94.75	*
9.00	1.05	95.80	****
****	4.20	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

2.55 2.97 .10 -.86 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

2.76 3.41 .11 .88 FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 2.56 5TH -1.97 16TH -.75 25TH .36
75TH 5.27 84TH 6.47 95TH 6.62

PCT. GRAVEL 12.58 SAND 54.90 SILT (PIPETTE) 28.13 CLAY (PIPETTE) 4.40
(SEDIGRAPH) 25.18 (SEDIGRAPH) 7.34

GRAVEL+SAND 67.47 SILT/(SILT+CLAY) 77.42 PCT.GRAV+SAND/SILT+CLAY 2.07

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

05/19/62

PHI PCT. CUM PCT.

-2.00			*****
-1.50	6.69	6.69	*****
-1.00	5.34	12.03	*****
-.50	4.84	16.87	*****
0.00	.00	16.87	
.50	6.39	23.26	*****
1.00	5.23	28.49	*****
1.50	5.23	33.72	*****
2.00	5.81	39.52	*****
2.50	6.68	46.20	*****
3.00	8.13	54.34	*****
3.50	6.68	61.02	*****
4.00	6.39	67.41	*****
4.50	0.00	67.41	
5.00	2.72	70.12	***
5.50	2.72	72.84	***
6.00	3.26	76.10	***
6.50	4.35	80.44	****
7.00	3.26	83.70	***
7.50	4.35	88.05	****
8.00	1.09	89.14	*
8.50	2.17	91.31	**
9.00	2.17	93.48	**
*****	6.52	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

2.73 2.91 .14 -.84 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	2.73	5TH	-1.63	16TH	-.59	25TH	.67
			75TH	5.83	84TH	7.03	95TH	*****
PCT. GRAVEL	12.03	SAND	55.38	SILT (PIPETTE)	27.51	CLAY (PIPETTE)	5.08	
				(SEDIGRAPH)	21.73	(SEDIGRAPH)	10.66	
GRAVEL+SAND	67.41	SILT/(SILT+CLAY)	66.67	PCT. GRAV+SAND/SILT+CLAY	2.07			

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

PHI PCT. CUMFCT.

06/07/82

-2.50			**
-2.00	2.26	2.26	**
-1.50	2.07	4.33	**
-1.00	10.73	15.07	*****
-.50	4.24	19.30	****
0.00	.15	19.45	****
.50	3.69	23.14	***
1.00	3.25	26.39	***
1.50	2.95	29.34	****
2.00	3.84	33.18	****
2.50	3.84	37.02	*****
3.00	5.02	42.04	*****
3.50	5.91	47.95	*****
4.00	6.20	54.15	*
4.50	1.35	55.50	*****
5.00	6.74	62.24	*****
5.50	5.39	67.63	*****
6.00	6.74	74.38	*****
6.50	5.39	79.77	*****
7.00	4.05	83.82	****
7.50	4.05	87.86	****
8.00	4.05	91.91	****
8.50	2.02	93.93	**
9.00	2.02	95.95	**
*****	4.05	100.00	****

MEAN ST. DEV. SKEWNESS KURTOSIS

3.28 3.10 -.08 -1.13

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.0 TO 9.0 PHI

3.27 3.53 -.08 .80

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	3.67	5TH	-1.47	16TH	-.89	25TH	.79
			75TH	6.06	84TH	7.02	95TH	8.76
PCT. GRAVEL	15.07	SAND	39.08	SILT (PIPETTE)	37.74	CLAY (PIPETTE)		8.12
				(SEDIGRAPH)	37.76	(SEDIGRAPH)		8.09

GRAVEL+SAND 54.15 SILT/(SILT+CLAY) 82.35 PCT. GRAV+SAND/SILT+CLAY 1.18

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS -
ORGANIC-DETRITUS-PRESENT

PHI PCT. CUMACT.

06/14/52

-3.00			*****
-2.50	4.57	4.57	*
-2.00	1.44	6.00	*
-1.50	6.53	12.53	*****
-1.00	7.09	19.62	*****
	9.31		*****
-.50		29.23	
0.00	0.00	29.23	
.50	.52	30.05	*
1.00	1.09	31.13	*
	1.36		*
1.50		32.49	
2.00	1.90	34.40	**
2.50	2.18	36.58	**
3.00	2.72	39.30	***
	4.08		****
3.50		43.38	
4.00	4.90	48.27	*****
4.50	2.30	50.57	**
5.00	6.90	57.47	*****
	8.05		*****
5.50		65.52	
6.00	6.90	72.41	*****
6.50	6.90	79.31	*****
7.00	4.60	83.91	*****
	4.60		*****
7.50		88.51	
8.00	3.45	91.95	***
8.50	2.30	94.25	**
9.00	3.45	97.70	***
	2.30		**
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

3.22 3.53 -.14 -1.31

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

3.37 3.73 -.30 .65

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 4.36 5TH -2.35 16TH -1.28 25TH -.73
75TH 6.19 84TH 7.01 95TH 8.61

PCT. GRAVEL 19.92 SAND 28.35 SILT (PIPETTE) 43.33 CLAY (PIPETTE) 8.39
(SEDIGRAPH) 43.68 (SEDIGRAPH) 8.05

GRAVEL+SAND 48.27 SILT/(SILT+CLAY) 64.44 PCT. GRAV+SAND/SILT+CLAY .93

LABELS SHEPARD -SILTY SAND FOLK(5MS)-GRAVELLY MUD (SCS)-

PHI PCT. CORRECT.

05/19/62

-3.50			
-3.00	8.11	8.11	
-2.50	1.69	9.81	**
-2.00	7.32	17.12	*****
-1.50	7.57	24.69	*****
-1.00	7.17	31.85	*****
-.50	7.37	39.22	*****
0.00	0.00	39.22	
.50	1.25	40.47	
1.00	.94	41.42	
1.50	.63	42.04	
2.00	.63	42.67	
2.50	1.57	43.24	**
3.00	2.19	45.43	**
3.50	4.07	50.50	****
4.00	4.70	55.20	*****
4.50	2.04	57.24	**
5.00	0.00	57.24	
5.50	2.04	59.28	**
6.00	0.00	59.28	
6.50	4.07	63.35	****
7.00	3.05	66.40	****
7.50	5.09	71.49	*****
8.00	6.11	77.60	*****
8.50	0.00	77.60	
9.00	1.07	81.67	****
*****	18.33	100.00	*****

MEAN ST.LEV. SKEWNESS KURTOSIS

1.88 4.06 .15 -1.45 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -3.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	3.44	5TH	-3.19	16TH	-2.08	25TH	-1.48
			75TH	7.79	84TH	*****	95TH	*****

PCT. GRAVEL	31.25	SAND	23.35	SILT (PIPETTE)	38.98	CLAY (PIPETTE)	5.81
				(SEDIGRAPH)	22.40	(SEDIGRAPH)	22.40

GRAVEL+SAND 55.20 SILT/(SILT+CLAY) 50.00 PCT.GRAV+SAND/SILT+CLAY 1.23

LABELS SHEPARD -SAND SIL CLY FOLK(GMS)-MUDDY GRAVEL (SCS)-

COMMENTS - ORGANIC DETRITUS PRESENT

05/19/52

PHI	PCT.	CUM.PCT.	
-2.00			*****
-1.50	8.19	8.19	*****
-1.00	7.62	15.81	*****
-.50	9.32	25.13	*****
0.00	.24	25.37	***
.50	3.30	28.67	*
1.00	1.41	30.08	*
1.50	1.41	31.50	**
2.00	1.65	33.15	*
2.50	1.41	34.56	***
3.00	2.83	37.39	*****
3.50	5.19	42.57	*****
4.00	4.24	46.82	*****
4.50	0.00	46.82	*****
5.00	7.46	54.28	*****
5.50	8.40	62.68	*****
6.00	9.33	72.01	*****
6.50	4.67	76.67	*****
7.00	4.67	81.34	*****
7.50	3.73	85.07	**
8.00	1.87	86.94	**
8.50	1.87	88.80	*
9.00	.93	89.74	*****
*****	10.26	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

3.10 3.24 -.11 -1.39

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	4.71	5TH	-1.69	16TH	-.99	25TH	-.51
			75TH	6.32	84TH	7.36	95TH	*****
PCT. GRAVEL	15.81	SAND	31.01	SILT (PIPETTE)	46.93	CLAY (PIPETTE)		6.23
				(SEDIGRAPH)	40.12	(SEDIGRAPH)		13.06
GRAVEL+SAND	46.82	SILT/(SILT+CLAY)	75.4	PCT. GRAV+SAND/SILT+CLAY				.55
LABELS SHEPARD	-SILTY SAND	FOLK(GMS)-GRAVELLY MUD		(SCS)-				

PHI PCT. CUM PCT.

05/26/32

-3.00			+++++
-2.50	6.32	6.32	++
-2.00	2.24	8.56	+++
-1.50	2.61	11.17	+++++
-1.00	6.07	17.24	+++++
-.50	7.34	24.58	+++++
0.00	.08	24.66	
.50	1.22	25.89	*
1.00	1.47	27.35	*
1.50	1.47	28.82	*
2.00	2.12	30.94	**
2.50	3.75	34.69	++++
3.00	5.71	40.39	+++++
3.50	6.19	46.59	+++++
4.00	6.19	52.78	+++++
4.50	8.00	52.78	
5.00	3.29	56.08	+++
5.50	2.20	58.27	**
6.00	6.04	64.31	+++++
6.50	4.94	69.25	+++++
7.00	5.49	74.74	+++++
7.50	4.39	79.14	++++
8.00	2.20	81.33	**
8.50	2.20	83.53	**
9.00	2.20	85.72	**
****	14.28		+++++
****	100.00		

MEAN ST. DEV. SKEWNESS KURTOSIS

2.92 3.47 -.07 -1.23

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	3.78	5TH	-2.60	16TH	-1.10	25TH	.14
			75TH	7.03	84TH	8.61	95TH	*****

PCT. GRAVEL	17.24	SAND	35.54	SILT (PIPETTE)	38.04	CLAY (PIPETTE)	9.18
				(SEDIGRAPH)	28.55	(SEDIGRAPH)	18.67

GRAVEL+SAND 52.78 SILT/(SILT+CLAY) 60.47 PCT. GRAV+SAND/SILT+CLAY 1.12

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS -

ORGANIC DETRITUS PRESENT

PHI PCT. CUMECT.

06/14/82

-2.00			***
-1.50	2.61	2.61	****
-1.00	3.69	6.30	*****
-.50	4.48	10.77	
0.00	6.00	10.77	***
.50	2.80	13.58	***
1.00	2.80	16.38	**
1.50	2.45	18.83	***
2.00	3.15	21.98	***
2.50	3.15	25.14	****
3.00	3.50	28.64	*****
3.50	4.55	33.19	
4.00	2.10	35.30	**
4.50	0.00	35.30	
5.00	4.73	40.03	*****
5.50	11.05	51.08	*****
6.00	7.69	58.97	*****
6.50	7.69	66.66	*****
7.00	6.31	73.17	*****
7.50	7.69	81.06	*****
8.00	4.73	85.80	*****
8.50	4.73	90.53	***
9.00	3.15	93.69	*****
*****	6.31	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

4.45 2.98 -.30 -.78

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.45	5TH	-1.18	16TH	.93	25TH	2.48
			75TH	7.12	84TH	7.81	95TH	*****

PCT. GRAVEL 6.30 SAND 29.00 SILT (PIPETTE) 49.37 CLAY (PIPETTE) 15.33
(SEDIGRAPH) 50.50 (SEDIGRAPH) 14.20

GRAVEL+SAND 35.30 SILT/(SILT+CLAY) 78.05 PCT. GRAV+SAND/SILT+CLAY .55

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

PHI PCT. CUM PCT.

06/07/62

3.00			*****
-2.50	12.67	12.67	*****
-2.00	13.46	26.13	*****
-1.50	15.39	41.52	*****
-1.00	17.14	58.66	*****
-0.50	11.22	69.88	*****
0.00	.30	70.18	
.50	4.78	74.96	*****
1.00	3.88	78.84	****
1.50	2.39	81.22	**
2.00	2.69	83.91	***
2.50	2.09	86.00	**
3.00	2.09	88.09	**
3.50	1.79	89.88	**
4.00	1.49	91.37	*
4.50	.27	91.64	*
5.00	.81	92.45	*
5.50	1.08	93.53	*
6.00	1.08	94.61	*
6.50	.54	95.15	*
7.00	1.08	96.23	*
7.50	1.08	97.30	*
8.00	.54	97.84	*
8.50	.54	98.38	*
9.00	.27	98.65	*
****	1.35	100.00	*

MEAN ST.DEV. SKEWNESS KURTOSIS

-.43 2.49 .84 2.32

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

-.54 2.49 .58 1.47

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN -1.25 5TH -2.80 16TH -2.38 25TH -2.04
75TH .51 84TH 2.02 95TH 6.36

PCT. GRAVEL 58.66 SAND 32.71 SILT (PIPETTE) 6.76 CLAY (PIPETTE) 1.87
(SEDIGRAPH) 6.47 (SEDIGRAPH) 2.16

GRAVEL+SAND 91.37 SILT/(SILT+CLAY) 75.00 PCT. GRAV+SAND/SILT+CLAY 10.59

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

PHI FCT. CUM.PCT.

06/14/82

-2.00			*
1.50	1.26	1.26	
-1.00	4.66	5.92	*****
-0.50	22.77	28.69	*****
0.00	0.00	28.69	
.50	0.00	28.69	
1.00	0.00	28.69	
1.50	0.00	28.69	
2.00	0.00	28.69	
2.50	0.00	28.69	
3.00	0.00	28.69	
3.50	0.00	28.69	
4.00	0.00	28.69	
4.50	2.04	30.73	**
5.00	4.07	34.80	****
5.50	10.19	44.99	*****
6.00	10.19	55.18	*****
6.50	14.26	69.44	*****
7.00	10.19	79.63	*****
7.50	8.15	87.78	*****
8.00	8.15	95.93	*****
****	4.07	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

4.12 3.38 -.36 -1.26

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 8.0 PHI

4.08 3.38 -.57 .50

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 5.75 5TH -1.10 16TH -0.78 25TH -0.58
75TH 6.77 84TH 7.27 95TH 7.94

PCT. GRAVEL 5.92 SAND 22.77 SILT (PIPETTE) 57.61 CLAY (PIPETTE) 13.71
(SEDIGRAPH) 67.24 (SEDIGRAPH) 4.07

GRAVEL+SAND 28.69 SILT/(SILT+CLAY) 94.29 PCT. GRAV+SAND/SILT+CLAY .40

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

COMMENTS - ORGANIC DETRITUS PRESENT

06/07/62

PHI	PCT.	CUM.PCT.	
2.50	.04		
-2.00	.55	.04	*
-1.50	.67	.59	*
-1.00	5.15	1.26	*****
-.50	0.00	6.41	
0.00	.16	6.41	
.50	.33	6.57	
1.00	.49	6.90	
1.50	.49	7.39	
2.00	.65	7.88	*
2.50	1.95	8.53	**
3.00	2.60	10.48	***
3.50	6.34	13.08	*****
4.00	.57	19.42	*
4.50	2.29	19.99	**
5.00	9.14	22.27	*****
5.50	12.57	31.42	*****
6.00	14.86	43.99	*****
6.50	6.86	58.85	*****
7.00	6.86	65.71	*****
7.50	5.72	72.57	*****
8.00	3.43	78.28	***
8.50	2.29	81.71	**
9.00	16.00	84.00	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

5.36 2.35 -.67 1.48 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	6.20	5TH	- .64	16TH	3.73	25TH	5.15
			75TH	7.71	84TH	10.79	95TH	*****
PCT. GRAVEL	1.26	SAND	18.16	SILT (PIPETTE)	-9.85	CLAY (PIPETTE)	90.43	
				(SEDIGRAPH)	58.87	(SEDIGRAPH)	21.72	

GRAVEL+SAND 19.42 SILT/(SILT+CLAY) 73.05 PCT. GRAV+SAND/SILT+CLAY .24

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

COMMENTS - ORGANIC DETRITUS PRESENT

PHI PCT. CUMCT.

06/14/82

3.00			
2.50	1.21	1.21	
-2.00	1.26	2.47	
-1.50	4.35	6.82	****
-1.00	6.37	13.19	*****
-.50	9.20	22.39	*****
0.00	.16	22.55	
.50	3.99	26.54	****
1.00	3.51	30.05	****
1.50	2.23	32.28	**
2.00	2.23	34.52	**
2.50	2.87	37.39	***
3.00	2.55	39.95	***
3.50	3.51	43.46	****
4.00	-.15	47.31	****
4.50	2.76	50.37	***
5.00	8.27	58.64	*****
5.50	9.65	68.29	*****
6.00	6.89	75.18	*****
6.50	6.89	82.08	*****
7.00	6.89	88.97	*****
7.50	5.51	94.49	*****
8.00	4.63	99.31	*****
****	.69	100.00	*

MEAN ST.DEV. SKEWNESS KURTOSIS

3.33	3.14	-.18	-1.27
3.41	3.28	-.37	.67

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 8.0 PHI
 FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	4.43	5TH	-1.71	16TH	-.65	25TH	.31
			75TH	5.99	84TH	6.64	95TH	7.55
PCT. GRAVEL	13.19	SAND	34.42	SILT (PIPETTE)	42.60	CLAY (PIPETTE)		9.79
				(SEDIGRAPH)	51.70	(SEDIGRAPH)		.69
GRAVEL+SAND	47.61	SILT/(SILT+CLAY)	93.68	PCT. GRAV+SAND/SILT+CLAY				.91

LABELS SHEPARD -SANDY SILT FOLK(GMS)-GRAVELLY MUD (SGS)-

06/07/62

PHI	PCT.	CUM PCT.	
3.50			****
-3.00	3.69	3.69	
-2.50	0.00	3.69	
-2.00	.64	3.69	*
-1.50	2.57	4.33	***
-1.00	5.79	6.90	*****
-0.50	5.27	12.69	*****
0.00	.28	17.96	
.50	4.55	18.25	*****
1.00	4.55	22.79	*****
1.50	3.98	27.34	****
2.00	4.55	31.32	*****
2.50	4.83	35.86	*****
3.00	5.97	40.69	*****
3.50	7.10	46.66	*****
4.00	6.25	53.77	*****
4.50	2.05	60.02	**
5.00	5.13	62.07	*****
5.50	6.15	67.19	*****
6.00	4.10	73.34	****
6.50	4.10	77.44	****
7.00	3.08	81.55	***
7.50	3.08	84.62	***
8.00	3.08	87.70	***
8.50	1.03	90.77	*
9.00	3.08	91.80	***
*****	5.13	94.87	*****
		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

~~2.94 3.09 .04 .82~~ KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -3.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	3.23	5TH	-1.87	16TH	-.69	25TH	.74
			75TH	5.70	84TH	6.90	95TH	*****

PCT. GRAVEL	12.69	SAND	47.33	SILT (PIPETTE)	31.51	CLAY (PIPETTE)	8.47
				(SEDIGRAPH)	30.76	(SEDIGRAPH)	9.23

GRAVEL+SAND 60.02 SILT/(SILT+CLAY) 76.92 PCT. GRAV+SAND/SILT+CLAY 1.50

LABELS SHEPARD - SILTY SAND - FOLK (5MS) - GRAVELLY MUDDY SAND - (SCS) -

COMMENTS - ORGANIC DETRITUS PRESENT

05/26/32

PHI	PCT.	CUMFCT.	
3.00			****
-2.50	4.16	4.16	*
-2.00	.81	4.97	*****
-1.50	5.13	10.11	*****
-1.00	5.98	16.09	*****
-.50	5.90	21.99	*
0.00	.56	22.55	*****
.50	7.31	29.86	*****
1.00	4.50	34.36	*****
1.50	6.19	40.55	*****
2.00	6.19	46.74	*****
2.50	6.75	53.48	***
3.00	3.37	56.86	*****
3.50	2.44	65.29	*****
4.00	3.94	69.23	*
4.50	1.23	70.46	*
5.00	1.23	71.69	**
5.50	2.46	74.15	****
6.00	3.69	77.85	*
6.50	1.23	79.08	**
7.00	2.46	81.54	**
7.50	2.46	84.00	****
8.00	3.69	87.69	
8.50	0.00	87.69	**
9.00	2.46	90.15	*****
****	0.85	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

2.15 3.02 .20 -.66

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES MEDIAN 2.24 5TH -2.00 16TH -1.01 25TH .17
 75TH 5.61 84TH 7.50 95TH*****

PCT. GRAVEL 16.09 SAND 53.14 SILT (PIPETTE) 24.11 CLAY (PIPETTE) 6.66
 (SEDIGRAPH) 18.46 (SEDIGRAPH) 12.31

GRAVEL+SAND 69.23 SILT/(SILT+CLAY) 60.00 PCT.GRAV+SAND/SILT+CLAY 2.25

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

05/19/82

PHI	PCT. CUMECT.		
.00			
-1.50	2.24	2.24	**
-1.00	3.54	5.78	****
-.50	1.82	7.60	**
0.00	.00	7.61	
.50	.14	7.75	
1.00	1.00	8.75	*
1.50	.57	9.32	*
2.00	.71	10.03	*
2.50	2.29	12.32	**
3.00	3.00	15.32	***
3.50	1.86	17.17	**
4.00	1.71	18.89	**
4.50	1.19	20.08	*
5.00	2.39	22.47	**
5.50	7.16	29.62	*****
6.00	11.93	41.55	*****
6.50	10.74	52.29	*****
7.00	9.54	61.83	*****
7.50	8.35	70.18	*****
8.00	4.77	74.95	*****
8.50	2.39	77.34	**
9.00	3.56	80.91	****
****	19.09	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

5.21 2.68 -.63 .80

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	6.39	5TH	-1.11	16TH	3.18	25TH	5.16
			75TH	8.01	84TH	*****	95TH	*****
PCT. GRAVEL	5.78	SAND	13.11	SILT (PIPETTE)	66.18	CLAY (PIPETTE)	14.93	
				(SEDIGRAPH)	56.06	(SEDIGRAPH)	25.05	
GRAVEL+SAND	18.89	SILT/(SILT+CLAY)	69.12	PCT. GRAV+SAND/SILT+CLAY			.23	

ABELS SHEPARD -CLAYEY SILT FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS - ORGANIC DETRITUS PRESENT

PHI PCT. CUM PCT.

06/14/52

3.00			*****
2.50	9.04	9.04	*****
	5.39		*****
-2.00	4.24	14.43	****
-1.50	7.14	18.67	*****
-1.00	5.79	25.81	*****
	0.00	31.60	
0.00	4.23	31.60	****
.50	2.60	35.83	***
1.00	2.60	38.43	***
1.50	3.25	41.04	***
2.00	3.25	44.29	***
2.50	2.93	47.55	***
3.00	4.88	50.48	*****
3.50	3.58	55.36	*****
4.00	1.21	58.94	*
4.50	6.04	60.15	*****
5.00	6.04	66.18	*****
5.50	4.83	72.22	*****
6.00	4.83	77.05	*****
6.50	3.62	81.88	****
7.00	4.83	85.51	*****
7.50	3.02	90.34	***
8.00	1.81	93.36	**
8.50	1.81	95.17	**
9.00	3.02	96.98	***
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

2.43 3.58 .00 -1.37

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

2.63 3.85 -.05 .67

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 2.92 5TH -2.72 15TH -1.81 25TH -1.06
75TH 5.79 84TH 6.79 95TH 8.45

PCT. GRAVEL 25.81 SAND 33.13 SILT (PIPETTE) 32.84 CLAY (PIPETTE) 8.23
(SEDIGRAPH) 34.42 (SEDIGRAPH) 6.64

GRAVEL+SAND 58.94 SILT/(SILT+CLAY) 83.82 PCT. GRAV+SAND/SILT+CLAY 1.44

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

06/07/82

PHI	PCT. CUMFCT.	
3.00		
-2.50	4.04	****
-2.00	4.56 4.04	*****
-1.50	8.74 8.61	*****
-1.00	11.36 17.34	*****
-0.50	6.71 28.70	*****
0.00	.03 35.42	
0.50	5.57 35.44	*****
1.00	3.64 41.01	****
1.50	3.92 44.65	****
2.00	5.31 48.56	*****
2.50	3.92 53.88	****
3.00	4.20 57.79	****
3.50	5.31 61.99	*****
4.00	4.06 67.30	****
4.50	0.00 71.36	
5.00	2.49 71.36	**
5.50	0.00 73.85	
6.00	1.25 73.85	*
6.50	4.98 75.09	*****
7.00	3.74 80.08	****
7.50	3.74 83.81	****
8.00	2.49 87.55	**
8.50	2.49 90.04	**
9.00	2.49 92.53	**
9.50	4.98 95.02	*****
10.00	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

1.89 3.44 .25 -1.02

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

2.36 3.88 .27 .66

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 1.64 5TH -2.40 16TH -1.58 25TH -1.16
75TH 5.96 84TH 7.03 95TH 9.00

PCT. GRAVEL 26.70 SAND 42.66 SILT (PIPETTE) 23.51 CLAY (PIPETTE) 5.13
(SEDIGRAPH) 18.68 (SEDIGRAPH) 9.95

GRAVEL+SAND 71.36 SILT/(SILT+CLAY) 65.22 PCT.GRAV+SAND/SILT+CLAY 2.49

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

05/26/82

PHI	PCT.	CUM.PCT.	
-3.00			**
-2.50	2.34	2.34	*****
-2.00	5.40	7.74	*****
-1.50	10.00	17.74	*****
-1.00	6.00	23.73	*****
	10.59		*****
-.50		34.33	
0.00	0.00	34.33	
	8.02		*****
.50		42.35	
1.00	3.09	45.44	***
	3.70		***
1.50		49.14	
2.00	4.94	54.08	*****
2.50	4.32	58.40	***
3.00	4.32	62.72	***
	3.70		***
3.50		66.42	
4.00	3.70	70.12	***
4.50	1.66	71.78	**
5.00	1.66	73.44	**
	2.49		**
5.50		75.93	
6.00	1.66	77.59	**
6.50	1.66	79.25	**
7.00	3.32	82.57	***
	2.49		**
7.50		85.06	
8.00	2.49	87.55	**
8.50	.83	88.38	*
9.00	.83	89.21	*
	10.79		*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

1.52 3.11 .30 -.74

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES MEDIAN 1.59 5TH -2.25 16TH -1.59 25TH -.94
75TH 5.31 84TH 7.29 95TH*****

PCT. GRAVEL 23.73 SAND 46.39 SILT (PIPETTE) 22.87 CLAY (PIPETTE) 7.01
(SEDIGRAPH) 17.43 (SEDIGRAPH) 12.45

GRAVEL+SAND 70.12 SILT/(SILT+CLAY) 58.33 PCT.GRAV+SAND/SILT+CLAY 2.35

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

06/07/82

PHI	PCT. CUMPCT.	
2.00		
-1.50	1.57	**
-1.00	6.56	1.57
-0.50	10.38	8.13
0.00	.02	18.50
.50	.22	18.53
1.00	.74	18.75
1.50	.74	19.49
2.00	.99	20.23
2.50	1.48	21.22
3.00	2.22	22.70
3.50	2.96	24.92
4.00	4.93	27.88
4.50	2.49	32.81
5.00	4.98	35.30
5.50	9.95	40.28
6.00	8.71	50.23
6.50	9.95	58.94
7.00	4.35	68.89
7.50	6.84	73.25
8.00	3.73	80.09
8.50	3.73	83.82
9.00	2.49	87.56
9.95	9.95	90.05
*****	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

4.24 3.11 -.33 -.84 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.49	5TH	-1.24	16TH	-.62	25TH	3.01
			75TH	7.13	84TH	8.02	95TH	*****
PCT. GRAVEL	8.13	SAND	24.68	SILT (PIPETTE)	54.96	CLAY (PIPETTE)	12.23	
				(SEDIGRAPH)	51.01	(SEDIGRAPH)	16.18	
GRAVEL+SAND	32.81	SILT/(SILT+CLAY)	75.93	PCT. GRAV+SAND/SILT+CLAY			.49	

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

COMMENTS - ORGANIC DETRITUS PRESENT

PHI PCT. CUM PCT.

06/14/62

-3.00			
-2.50	.90	.90	
-2.00	.74	1.65	
-1.50	1.65	3.29	
-1.00	6.35	9.64	*****
	4.07		*****
-.50		13.71	
0.00	0.00	13.71	
.50	.86	14.57	
1.00	1.15	15.72	
	.86		
1.50		16.58	
2.00	2.01	18.59	**
2.50	2.01	20.60	**
3.00	3.45	24.05	***
	4.02		****
3.50		28.07	
4.00	5.46	33.53	*****
4.50	2.81	36.34	***
5.00	6.55	42.89	*****
	9.36		*****
5.50		52.26	
6.00	8.43	60.68	*****
6.50	9.36	70.04	*****
	4.68		*****
7.00		74.72	
	5.62		*****
7.50		80.34	
8.00	2.81	83.15	**
8.50	2.81	85.96	**
9.00	2.81	88.77	**
	11.23		*****
****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

4.24 2.97 -.37 -.44

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.38	5TH	-1.37	16TH	1.16	25TH	3.12
			75TH	7.02	84TH	8.15	95TH	*****
PCT. GRAVEL	9.64	SAND	23.96	SILT (PIPETTE)	46.84	CLAY (PIPETTE)		19.63
				(SEDIGRAPH)	49.62	(SEDIGRAPH)		16.85
GRAVEL+SAND	33.53	SILT/(SILT+CLAY)		74.65	PCT.GRAV+SAND/(SILT+CLAY)			.50

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

COMMENTS -

ORGANIC DETRITUS PRESENT

06/07/82

PHI	PCT.	CUMPCT.	
3.00	1.79		**
-2.50	3.95	1.79	****
-2.00	3.32	5.73	***
-1.50	5.07	9.06	*****
-1.00	5.69	14.13	*****
-.50	0.00	19.82	
0.00	2.17	19.82	**
.50	3.25	21.99	***
1.00	1.63	25.25	**
1.50	2.71	26.87	***
2.00	2.71	29.59	***
2.50	4.34	32.30	****
3.00	6.51	36.64	*****
3.50	8.14	43.15	*****
4.00	0.00	51.29	
4.50	1.80	51.29	**
5.00	1.80	53.09	**
5.50	3.61	54.90	****
6.00	3.61	58.50	****
6.50	5.41	62.11	*****
7.00	7.22	67.52	*****
7.50	5.41	74.74	*****
8.00	3.61	80.15	****
8.50	3.61	83.76	****
9.00	12.63	87.37	*****
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

3.47 3.50 -.09 -1.24

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	3.92	5TH	-2.09	16TH	-.84	25TH	.96
			75TH	7.52	84TH	8.53	95TH	*****
PCT. GRAVEL	14.13	SAND	37.16	SILT (PIPETTE)	39.44	CLAY (PIPETTE)	9.28	
				(SEDIGRAPH)	28.87	(SEDIGRAPH)	19.85	

GRAVEL+SAND 51.29 SILT/(SILT+CLAY) 59.26 PCT.GRAV+SAND/SILT+CLAY 1.05

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS -
ORGANIC DETRITUS PRESENT

05/26/82

PHI	PCT.	CUM.PCT.	
-3.00			*
-2.50	1.50	1.50	***
-2.00	2.87	4.37	*****
-1.50	6.22	10.59	*****
-1.00	6.18	16.76	*****
	7.28		*****
-.50		24.04	*
0.00	.62	24.66	****
.50	3.72	28.39	**
1.00	2.48	30.87	**
	2.48		**
1.50		33.35	***
2.00	3.10	36.46	*****
2.50	5.59	42.04	*****
3.00	6.21	48.25	*****
	9.31		*****
3.50		57.56	*****
4.00	5.28	62.84	*
4.50	.77	63.62	*****
5.00	4.64	68.26	*****
	5.42		*****
5.50		73.68	***
6.00	3.48	77.16	***
6.50	3.48	80.65	**
7.00	2.32	82.97	***
	3.67		**
7.50		86.64	**
8.00	1.55	88.39	**
8.50	1.55	89.94	*
9.00	.77	90.71	*****
	9.29		*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

2.50 3.04 .02 -1.05

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	3.09	5TH	-1.95	16TH	-1.05	25TH	.05
			75TH	5.69	84TH	7.13	95TH	*****
PCT. GRAVEL	16.76	SAND	46.08	SILT (PIPETTE)	31.01	CLAY (PIPETTE)	6.15	
				(SEDIGRAPH)	25.55	(SEDIGRAPH)	11.61	
GRAVEL+SAND	62.84	SILT/(SILT+CLAY)	68.75	PCT.GRAV+SAND/SILT+CLAY	1.69			

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

COMMENTS - ORGANIC DETRITUS PRESENT

06/07/52

PHI PCT. CUMPCT.

3.00	11.65	11.65	*****
-2.50	5.89	17.55	*****
-2.00	4.73	22.28	*****
-1.50	5.93	28.21	*****
-1.00	8.39	36.60	*****
-.50	.16	36.75	***
0.00	3.27	40.03	***
.50	3.43	43.45	***
1.00	3.12	46.57	***
1.50	3.43	49.99	****
2.00	4.36	54.35	****
2.50	4.36	58.72	****
3.00	5.30	64.01	****
3.50	4.36	68.37	****
4.00	0.00	68.37	***
4.50	2.97	71.34	****
5.00	3.95	75.29	****
5.50	2.97	78.26	**
6.00	1.98	80.23	****
6.50	3.95	84.19	****
7.00	2.97	87.15	**
7.50	3.95	91.10	****
8.00	1.98	93.08	***
8.50	2.97	96.05	****
9.00	3.95	100.00	****

MEAN ST.DEV. SKEWNESS KURTOSIS

1.94 3.62 .15 -1.19

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

2.28 4.04 .13 .71

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 2.00 5TH -2.79 16TH -2.13 25TH -1.27
75TH 5.46 84TH 6.98 95TH 8.82

PCT. GRAVEL 28.21 SAND 40.16 SILT (PIPETTE) 24.96 CLAY (PIPETTE) 6.67
(SEDIGRAPH) 22.73 (SEDIGRAPH) 6.90

GRAVEL+SAND 68.37 SILT/(SILT+CLAY) 71.88 PCT. GRAV+SAND/SILT+CLAY 2.16

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

05/19/62

PHI	PCT. CUMECT.		
-2.00			*****
-1.50	7.17	7.17	*****
-1.00	5.87	13.04	*****
-.50	19.32	32.37	*****
0.00	0.00	32.37	
.50	.57	32.94	*
1.00	.86	33.80	*
1.50	.43	34.23	
2.00	2.73	36.96	***
2.50	5.03	41.99	*****
3.00	2.01	44.00	**
3.50	2.44	46.44	**
4.00	2.30	48.74	**
4.50	1.22	49.96	*
5.00	1.22	51.18	*
5.50	2.44	53.62	**
6.00	4.88	58.51	*****
6.50	4.88	63.39	*****
7.00	7.32	70.71	*****
7.50	6.10	76.81	*****
8.00	3.66	80.47	****
8.50	3.66	84.13	****
9.00	3.66	87.80	****
*****	12.20	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

3.10 3.67 .02 -1.60

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	4.52	5TH	-1.65	16TH	-.92	25TH	-.69
			75TH	7.35	84TH	8.48	95TH	*****
PCT. GRAVEL	13.04	SAND	35.70	SILT (PIPETTE)	39.97	CLAY (PIPETTE)	11.29	
				(SEDIGRAPH)	31.73	(SEDIGRAPH)	19.53	
GRAVEL+SAND	48.74	SILT/(SILT+CLAY)	61.90	PCT. GRAV+SAND/SILT+CLAY			7.95	

LABELS SHEPARD -SILTY SAND FOLK(5MS)-GRAVELLY MUD (SCS)-

05/19/62

PHI	FCI. CURVE		
2.00	8.92		*****
-1.50	2.59	8.92	***
-1.00	8.79	11.52	*****
-.50	0.00	20.30	
0.00	.34	20.30	
.50	.45	20.64	
1.00	.45	21.10	
1.50	.68	21.55	
2.00	1.25	22.23	
2.50	2.61	23.48	***
3.00	2.50	26.09	**
3.50	3.07	26.59	***
4.00	0.00	31.66	
4.50	7.32	31.66	*****
5.00	11.23	36.98	*****
5.50	10.74	50.21	*****
6.00	9.28	60.95	*****
6.50	4.39	70.22	****
7.00	5.86	74.62	*****
7.50	.98	80.47	*
8.00	1.95	81.45	**
8.50	1.95	83.40	**
9.00	14.65	85.35	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

3.90 3.21 -.34 -.94

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH			
	5.49	-1.72	-.74	2.79			
		75TH	84TH	95TH*****			
		7.03	8.65				
PCT. GRAVEL	11.52	SAND	20.14	SILT (PIPETTE)	56.02	CLAY (PIPETTE)	12.33
				(SEDIGRAPH)	49.79	(SEDIGRAPH)	16.55
GRAVEL+SAND	31.66	SILT/(SILT+CLAY)	72.85	PCT. GRAV+SAND/SILT+CLAY	.46		

ABELS SHEPARD -SANDY SILT FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS - ORGANIC DETRITUS PRESENT

05/19/52

PHI	FCT.	CUMFCT.	
3.00			
-2.50	3.27	3.27	**
-2.00	1.78	5.05	**
-1.50	1.61	6.66	**
-1.00	2.67	9.34	**
	3.82		*****
-.50		13.16	
0.00	.03	13.19	
.50	.99	14.18	
1.00	1.02	15.20	
1.50	.68	15.88	
2.00	.68	16.57	
2.50	1.70	18.27	**
3.00	2.05	20.32	**
3.50	3.80	24.12	*****
4.00	3.11	26.11	*****
4.50	3.62	31.23	*****
5.00	11.76	34.85	*****
5.50	12.67	46.51	*****
6.00	13.57	59.25	*****
6.50	6.33	72.85	*****
7.00	2.71	73.19	***
7.50	4.52	81.90	*****
8.00	2.71	86.43	***
8.50	1.81	89.14	**
9.00	.90	90.95	*
	3.14	91.86	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

4.13 2.93 -.52 .26

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH
	5.13	-2.01	1.53	3.40
		75TH	84TH	95TH
		6.17	7.23	*****

PCT. GRAVEL	9.34	SAND	21.89	SILT (PIPETTE)	62.02	CLAY (PIPETTE)	6.75
				(SEDIGRAPH)	57.91	(SEDIGRAPH)	10.86
GRAVEL+SAND	31.23	SILT/(SILT+CLAY)	84.21	PCT. GRAV+SAND/SILT+CLAY			.45

LABELS SHEPARD -SANDY SILT FOLK(SMS)-GRAVELLY MUD (SCS)-

COMMENTS - ORGANIC DETRITUS PRESENT

05/19/52

PHI	PCT.	CUM.PCT.	
-2.00			
-1.50	7.53	7.53	*****
-1.00	1.72	9.25	**
-0.50	4.84	14.09	*****
0.00	.19	14.28	
	3.70	17.98	****
.50	1.95	19.93	**
1.00	1.75	21.68	**
1.50	2.34	24.02	**
2.00	5.06	29.08	*****
2.50	5.06	34.15	*****
3.00	6.23	40.38	*****
3.50	4.67	45.05	*****
4.00	2.34	47.39	**
4.50	3.51	50.90	****
5.00	7.01	57.91	*****
5.50	7.01	64.93	*****
6.00	8.18	73.11	*****
6.50	3.51	76.62	****
7.00	7.01	83.63	*****
7.50	3.51	87.14	****
8.00	1.17	88.31	*
8.50	3.51	91.82	****
9.00	8.18	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

3.81 3.05 -.19 -.94

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	4.87	5TH	-1.67	16TH	.23	25TH	2.10
			75TH	6.77	84TH	7.55	95TH	*****
PCT. GRAVEL	9.25	SAND	35.80	SILT (PIPETTE)	47.41	CLAY (PIPETTE)	7.53	
				(SEDIGRAPH)	42.09	(SEDIGRAPH)	12.85	

GRAVEL+SAND 45.05 SILT/(SILT+CLAY) 76.60 PCT.GRAV+SAND/SILT+CLAY .52

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

06/14/52

PHI	PCT. CUMECT.	
-3.00		*****
-2.50	4.95	****
-2.00	3.29	***
-1.50	4.68	*****
-1.00	4.86	*****
-0.50	4.64	*****
0.00	0.00	
.50	6.22	*****
1.00	3.89	****
1.50	3.11	***
2.00	3.11	***
2.50	5.45	*****
3.00	5.45	*****
3.50	5.45	*****
4.00	3.89	****
4.50	0.00	
5.00	7.36	*****
5.50	5.26	*****
6.00	5.26	*****
6.50	5.26	*****
7.00	4.21	****
7.50	5.26	*****
8.00	3.15	***
8.50	4.73	*****
*****	.53	*
*****	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

2.92	3.32	-.06	-1.19	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 8.5 PHI
2.86	3.57	-.06	.77	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	3.03	5TH	-2.49	16TH	-1.13	25TH	.21
			75TH	5.82	84TH	6.72	95TH	8.03
PCT. GRAVEL	17.76	SAND	41.21	SILT (PIPETTE)	33.85	CLAY (PIPETTE)	7.17	
			(SEDIGRAPH)	35.76	(SEDIGRAPH)	5.26		

GRAVEL+SAND 58.99 SILT/(SILT+CLAY) 87.18 PCT.GRAV+SAND/SILT+CLAY 1.44
 LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUDDY SAND (SCS)-

06/07/82

PHI	PCT.	CUM.PCT.	
-3.00	.91		*
-2.50	6.33	.91	*****
-2.00	3.86	7.24	****
-1.50	8.74	11.10	*****
-1.00	10.03	19.84	*****
-.50	0.00	29.87	
0.00	4.26	29.87	****
.50	2.84	34.14	***
1.00	3.20	36.98	***
1.50	3.91	40.17	****
2.00	4.62	44.08	*****
2.50	6.04	48.70	*****
3.00	5.33	54.73	*****
3.50	4.97	60.06	*****
4.00	2.00	65.03	**
4.50	4.50	67.03	****
5.00	3.50	71.52	***
5.50	4.00	75.02	****
6.00	3.00	79.02	***
6.50	3.00	82.02	***
7.00	4.00	85.01	****
7.50	2.00	89.01	**
8.00	3.00	91.01	***
8.50	2.00	94.01	**
9.00	4.00	96.00	****
*****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

2.41 3.28 .11 -1.14

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

2.74 3.67 .09 .72

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	2.61	5TH	-2.18	16TH	-1.22	25TH	-.74
			75TH	5.50	84TH	6.83	95TH	8.75

PCT. GRAVEL	19.84	SAND	45.19	SILT (PIPETTE)	28.72	CLAY (PIPETTE)	6.25
				(SEDIGRAPH)	25.98	(SEDIGRAPH)	8.99

GRAVEL+SAND 65.03 SILT/(SILT+CLAY) 74.29 PCT. GRAV+SAND/SILT+CLAY 1.86

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

06/07/82

PHI PCT. CUM PCT.

-3.00			*****
-2.50	10.95	10.95	*****
-2.00	18.50	29.45	*****
-1.50	8.55	38.01	*****
-1.00	8.16	46.17	*****
-.50	7.20	53.37	*****
0.00	.28	53.65	
.50	3.64	57.29	****
1.00	3.92	61.21	****
1.50	3.36	64.56	***
2.00	3.36	67.92	***
2.50	2.24	70.16	**
3.00	2.24	72.40	**
3.50	2.80	75.20	***
4.00	1.68	76.88	**
4.50	0.00	76.88	
5.00	2.17	79.05	**
5.50	.72	79.77	*
6.00	4.33	84.11	****
6.50	2.89	87.00	***
7.00	2.89	89.89	***
7.50	2.89	92.78	***
8.00	2.89	95.67	***
8.50	.72	96.39	*
9.00	.72	97.11	*
*****	2.89	100.00	***

MEAN ST. DEV. SKEWNESS KURTOSIS

.72 3.45 .42 -.70

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

.96 3.70 .61 .78

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN -.73 5TH -2.77 16TH -2.36 25TH -2.12
75TH 3.45 84TH 5.99 95TH 7.88

PCT. GRAVEL 46.17 SAND 30.71 SILT (PIPETTE) 16.13 CLAY (PIPETTE) 6.99
(SEDIGRAPH) 18.78 (SEDIGRAPH) 4.33

GRAVEL+SAND 76.88 SILT/(SILT+CLAY) 81.25 PCT. GRAV+SAND/SILT+CLAY 3.33

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

PHI PCT. CUMECT.

05/19/82

-3.00			
-2.50	8.60	6.60	*****
-2.00	15.64	22.14	*****
-1.50	10.17	32.31	*****
-1.00	11.01	43.32	*****
-.50	9.82	53.14	*****
0.00	.26	53.40	
.50	11.73	65.13	*****
1.00	7.82	72.95	*****
1.50	5.21	78.16	*****
2.00	4.17	82.34	****
2.50	2.61	84.94	***
3.00	2.09	87.03	**
3.50	2.09	89.11	*
4.00	1.01	90.16	
4.50	.25	90.40	
5.00	.25	90.65	
5.50	.71	91.39	
6.00	.25	91.63	
6.50	.49	92.12	
7.00	.74	92.56	
7.50	.25	93.11	
8.00	.98	94.09	
8.50	.49	94.59	
9.00	.49	95.06	
****	4.92	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

-.15 2.31 .76 2.65

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

-.18 2.68 .49 1.55

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN -.66 5TH -2.62 15TH -2.20 25TH -1.66
75TH 1.20 84TH 2.32 95TH 8.92

PCT. GRAVEL 43.32 SAND 46.84 SILT (PIPETTE) 6.45 CLAY (PIPETTE) 3.39
(SEDIGRAPH) 3.94 (SEDIGRAPH) 5.91

GRAVEL+SAND 90.16 SILT/(SILT+CLAY) 40.00 PCT.GRAV+SAND/SILT+CLAY 9.16

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

PHI PCT. CUM PCT.

05/26/52

-3.50			****
-3.00	3.80	3.80	*****
-2.50	4.54	6.34	*****
-2.00	7.60	15.94	*****
-1.50	6.44	22.38	*****
-1.00	5.05	27.44	*****
-.50	5.01	32.44	*****
0.00	.31	32.75	*****
.50	16.63	49.38	*****
1.00	10.04	59.42	*****
1.50	10.04	69.46	*****
2.00	6.90	76.36	*****
2.50	4.39	80.75	****
3.00	3.14	83.89	***
3.50	2.51	86.40	**
4.00	1.88	88.28	*
4.50	.53	88.82	
5.00	.27	89.08	
5.50	.27	89.35	*
6.00	.53	89.88	
6.50	.27	90.15	
7.00	1.33	91.48	*
7.50	1.07	92.54	*
8.00	.53	93.08	*
8.50	1.07	94.14	*
9.00	.53	94.67	*
*****	5.33	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

.53 2.46 .49 1.42 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -3.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	.53	5TH	-2.87	16TH	-2.00	25TH	-1.24
			75TH	1.90	84TH	3.02	95TH	*****

PCT. GRAVEL 27.44 SAND 60.85 SILT (PIPETTE) 7.29 CLAY (PIPETTE) 4.43
 (SEDIGRAPH) 4.79 (SEDIGRAPH) 6.92

GRAVEL+SAND 88.28 SILT/(SILT+CLAY) 40.91 PCT.GRAV+SAND/SILT+CLAY 7.54

LABELS SHEPARD -SAND FOLK(5%) -GRAVELLY MUDDY SAND (SCS)-

PHI PCT. CUMFCT.

95/19/62

2.00			
-1.50	7.64	7.64	*****
-1.00	8.19	15.84	*****
-.50	10.24	26.08	*****
0.00	.75	26.82	*
.50	19.45	46.28	*****
1.00	12.72	59.00	*****
1.50	9.73	68.72	*****
2.00	7.48	76.20	*****
2.50	5.99	82.19	*****
3.00	4.49	86.68	****
3.50	2.24	88.92	**
4.00	1.50	90.42	*
4.50	.37	90.79	
5.00	.37	91.16	
5.50	0.00	91.16	
6.00	0.00	91.16	
6.50	0.00	91.16	
7.00	1.47	92.63	*
7.50	1.47	94.10	*
8.00	1.47	95.57	*
8.50	.74	96.31	*
9.00	.37	96.68	*
*****	3.32	100.00	***

MEAN ST. DEV. SKEWNESS KURTOSIS

.95	2.13	.77	2.89	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI
.79	2.36	.31	1.57	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	.65	5TH	-1.67	16TH	-.99	25TH	-.55
			75TH	1.92	84TH	2.70	95TH	7.80

PCT. GRAVEL	15.84	SAND	74.58	SILT (PIPETTE)	5.98	CLAY (PIPETTE)	3.60
				(SEDIGRAPH)	5.16	(SEDIGRAPH)	4.42

GRAVEL+SAND 90.42 SILT/(SILT+CLAY) 53.85PCT.GRAV+SAND/SILT+CLAY 9.44

ABELS SHEPARD -SAND FOLK(GMS)-GRAVELLY MUDDY SAND (SCS)-

05/26/62

PHI	PCT. CUMPCT.		
- .50	0.00		
0.00	0.00		
.50	.07		
1.00	.22		
1.50	.45		
2.00	.60	*	
2.50	1.34	*	
3.00	2.09	**	
3.50	4.02	**	
4.00	6.41	**	
4.50	8.50		
5.00	11.51	***	
5.50	21.57	*****	
6.00	33.64	*****	
6.50	45.70	*****	
7.00	56.76	*****	
7.50	64.81	*****	
8.00	71.85	***	
8.50	74.86	*****	
****	100.00		

MEAN ST.DEV. SKEWNESS KURTOSIS

5.99 1.45 -.52 1.27 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 8.5 PHI

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

PERCENTILES	MEDIAN	6.89	5TH	3.20	16TH	5.22	25TH	5.64
			75TH	74.41	84TH	*****	95TH	*****
PCT. GRAVEL	0.00	SAND	8.50	SILT (PIPETTE)	70.16	CLAY (PIPETTE)	.21.34	
				(SEDIGRAPH)	63.35	(SEDIGRAPH)	28.15	
GRAVEL+SAND	8.50	SILT/(SILT+CLAY)	69.23	PCT. GRAV+SAND/SILT+CLAY	.09			

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

COMMENTS - ORGANIC DETRITUS PRESENT

06/14/62

PHI PCT. CUMECT.

-2.00			
-1.50	.70		
-1.00	3.68	4.39	****
-.50	3.68	8.07	****
0.00	0.00	8.07	
.50	.25	8.32	
1.00	1.02	9.34	*
1.50	.76	10.11	*
2.00	1.27	11.38	*
2.50	1.02	12.40	*
3.00	1.27	13.67	*
3.50	2.04	15.70	**
4.00	2.80	18.50	***
4.50	1.34	19.84	*
5.00	4.01	23.85	****
5.50	6.68	30.53	*****
6.00	12.02	42.55	*****
6.50	12.02	54.56	*****
7.00	6.68	61.26	*****
7.50	8.02	69.27	*****
8.00	8.02	77.29	*****
8.50	1.34	78.62	*
9.00	2.67	81.30	***
****	18.70	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

5.19 2.84 -.63 .71 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	6.31	5TH	- .92	16TH	3.55	25TH	5.09
			75TH	7.36	84TH	*****	95TH	*****
PCT. GRAVEL	4.39	SAND	14.12	SILT (PIPETTE)	58.02	CLAY (PIPETTE)	23.48	
				(SEDIGRAPH)	56.76	(SEDIGRAPH)	22.71	
GRAVEL+SAND	18.50	SILT/(SILT+CLAY)	72.13	PCT.GRAV+SAND/SILT+CLAY			.23	

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

COMMENTS - ORGANIC DETRITUS PRESENT

05/26/52

PHI PCT. CUMFCT.

-1.50	.27		
-1.00	12.37	.27	*****
-.50	0.90	12.64	
0.00	.38	12.64	
.50	.19	13.02	
1.00	.57	13.21	*
1.50	.38	13.78	
2.00	1.52	14.16	**
2.50	3.04	15.68	***
3.00	5.32	18.73	*****
3.50	5.32	24.05	*****
4.00	.47	29.37	
4.50	6.12	29.65	*****
5.00	10.36	35.97	*****
5.50	10.36	46.32	*****
6.00	10.36	56.68	*****
6.50	4.71	67.04	*****
7.00	5.65	71.75	*****
7.50	3.77	77.40	****
8.00	1.88	81.17	**
8.50	1.88	83.05	**
9.00	15.07	84.93	*****
*****	100.00		

MEAN ST. DEV. SKEWNESS KURTOSIS

4.53 2.70 -.42 -.29 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.0 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5TH	16TH	25TH
	5.58	-.81	2.55	3.59
		75TH	84TH	95TH
		7.29	8.75	*****

PCT. GRAVEL .27 SAND 29.11 SILT (PIPETTE) 57.27 CLAY (PIPETTE) 13.36
 (SEDIGRAPH) 51.79 (SEDIGRAPH) 18.83

GRAVEL+SAND 29.37 SILT/(SILT+CLAY) 73.33 PCT. GRAV+SAND/SILT+CLAY .42

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

COMMENTS - ORGANIC DETRITUS PRESENT

05/27/52

PHI FCT. CUMFCT.

1.00			*****
-.50	6.64	9.64	*
0.00	.71	10.35	**
.50	2.14	12.49	*****
1.00	7.13	19.62	****
1.50	4.22	23.90	*****
2.00	7.13	31.03	*****
2.50	8.55	39.58	*****
3.00	9.98	49.56	*****
3.50	12.53	62.39	*****
4.00	14.26	76.65	*
4.50	.52	77.17	**
5.00	1.92	79.09	***
5.50	2.79	81.88	***
6.00	3.14	85.02	***
6.50	3.48	88.50	**
7.00	1.74	90.24	**
7.50	2.09	92.33	*
8.00	1.05	93.38	*
8.50	1.22	94.60	*
9.00	.52	95.12	*****
****	4.88	100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

2.85 2.18 .17 -.09

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -.5 TO 9.0 PHI

3.20 2.73 .16 1.67

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	3.02	5TH	-.74	16TH	.75	25TH	1.58
			75TH	3.94	84TH	5.84	95TH	8.88

PCT. GRAVEL	0.00	SAND	76.65	SILT (PIPETTE)	12.62	CLAY (PIPETTE)	10.73
				(SEDIGRAPH)	16.73	(SEDIGRAPH)	6.62

GRAVEL+SAND 76.65 SILT/(SILT+CLAY) 71.64 PCT. GRAV+SAND/SILT+CLAY 3.28

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

COMMENTS - ORGANIC DETRITUS PRESENT

PHI PCT. CUMFCT.

05/19/62

-2.00			*****
-1.50	9.95	9.95	*****
-1.00	4.63	14.58	*****
-.50	10.04	24.62	*****
0.00	.13	24.75	
.50	1.13	25.88	*
1.00	1.26	27.14	*
1.50	1.01	28.15	*
2.00	1.01	29.15	*
2.50	3.78	32.93	****
3.00	6.30	39.23	*****
3.50	3.02	42.26	***
4.00	2.77	45.03	***
4.50	1.90	46.92	**
5.00	3.79	50.71	****
5.50	5.69	56.40	*****
6.00	7.58	63.98	*****
6.50	5.69	69.67	*****
7.00	4.74	74.41	*****
7.50	4.74	79.15	*****
8.00	1.90	81.04	**
8.50	1.90	82.94	**
9.00	.95	83.89	*
*****	16.11	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

3.09 3.30 -.09 -1.39

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	4.91	5TH	-1.75	15TH	-.93	25TH	.11
			75TH	7.06	84TH	*****	95TH	*****

PCT. GRAVEL	14.58	SAND	30.45	SILT (PIPETTE)	43.01	CLAY (PIPETTE)	11.96
				(SEDIGRAPH)	36.02	(SEDIGRAPH)	18.96

GRAVEL+SAND 45.03 SILT/(SILT+CLAY) 65.52 PCT. GRAV+SAND/SILT+CLAY .82

ABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS - ORGANIC DETRITUS PRESENT

PHI PCT. CUM PCT.

05/26/82

-3.00			*****
-2.50	12.23	12.23	*****
-2.00	10.62	22.85	*****
-1.50	13.64	36.50	*****
-1.00	10.15	46.65	*****
-0.50	8.98	55.63	*
0.00	.53	56.16	*****
.50	9.62	65.78	*****
1.00	7.22	73.00	*****
1.50	4.54	77.55	***
2.00	2.67	80.22	****
2.50	4.54	84.77	**
3.00	2.41	87.17	**
3.50	1.87	89.04	**
4.00	1.60	90.65	
4.50	0.00	90.65	
5.00	0.00	90.65	*
5.50	.98	91.63	
6.00	0.00	91.63	
6.50	.25	91.88	*
7.00	1.23	93.11	
7.50	.49	93.60	*
8.00	.98	94.58	
8.50	.49	95.08	
9.00	0.00	95.08	*****
*****	4.92	100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

-.25 2.33 .70 2.07

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

-.24 2.88 .50 1.46

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN -.61 5TH -2.80 16TH -2.32 25TH -1.92
75TH 1.22 84TH 2.42 95TH 8.42

PCT. GRAVEL 46.55 SAND 44.00 SILT (PIPETTE) 6.16 CLAY (PIPETTE) 3.19
(SEDIGRAPH) 3.94 (SEDIGRAPH) 5.42

GRAVEL+SAND 90.65 SILT/(SILT+CLAY) 42.11 PCT.GRAV+SAND/SILT+CLAY 9.69

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

TL81 24 0-9 100561

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH SAMPLE WT. = 20.2992

PHI PCT. COMPCT.

05/19/62

-.50			
0.00	.02	.02	
.50	.25	.27	
1.00	.23	.50	
1.50	.14	.63	
2.00	.18	.81	
2.50	.41	1.22	
3.00	.81	2.03	+
3.50	1.17	3.21	+
4.00	1.17	4.38	+
4.50	2.11	6.49	**
5.00	7.73	14.23	*****
5.50	15.47	29.69	*****
6.00	12.66	42.35	*****
6.50	18.28	60.63	*****
7.00	7.03	67.66	*****
7.50	11.25	78.91	*****
8.00	5.62	84.53	*****
8.50	2.81	87.34	***
9.00	5.62	92.97	*****
9.50	7.03	92.97	*****
10.00		100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

6.14 1.37 -.22 1.42 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	6.21	5TH	4.15	16TH	5.05	25TH	5.35
			75TH	7.33	84TH	7.95	95TH	*****
PCT. GRAVEL	0.00	SAND	4.38	SILT (PIPETTE)	79.08	CLAY (PIPETTE)	16.54	
				(SEDIGRAPH)	80.15	(SEDIGRAPH)	15.47	
GRAVEL+SAND	4.38	SILT/(SILT+CLAY)	83.82	PCT.GRAV+SAND/SILT+CLAY				.05
LABELS SHEPARD	-SILT	FOLK(GMS)-MUD		(SCS)-SILT				

COMMENTS - ORGANIC DETRIUS PRESENT

05/26/82

PHI PCT. CUM PCT.

-2.00			
-1.50	.16		
-1.00	14.42	.18	*****
-0.50	4.18	14.60	****
0.00	0.00	16.78	
0.50	.23	16.78	
1.00	.23	19.01	
1.50	.23	19.24	
2.00	.23	19.46	
2.50	.91	19.69	*
3.00	1.36	20.59	*
3.50	3.85	21.95	****
4.00	9.28	25.80	*****
4.50	3.49	35.08	***
5.00	9.77	38.57	*****
5.50	13.96	43.34	*****
6.00	11.17	62.30	*****
6.50	5.53	73.47	*****
7.00	4.19	79.06	****
7.50	2.79	83.25	***
8.00	2.09	86.04	**
8.50	.70	88.13	*
9.00	1.40	88.23	*
9.00	9.77	90.23	*****
*****		100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

3.87 2.86 -.39 -.57 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	5.06	5TH	-1.33	16TH	-.83	25TH	3.40
			75TH	6.14	84TH	7.13	95TH	*****

PCT. GRAVEL	14.60	SAND	20.48	SILT (PIPETTE)	57.96	CLAY (PIPETTE)	7.06
				(SEDIGRAPH)	53.05	(SEDIGRAPH)	11.87

GRAVEL+SAND 35.08 SILT/(SILT+CLAY) 81.72 PCT. GRAV+SAND/SILT+CLAY .54

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

COMMENTS - ORGANIC DETRITUS PRESENT

05/14/82

PHI	PCT.	CUMFCT.	
-3.00			
-2.50	5.69	5.69	*****
-2.00	5.13	10.81	*****
-1.50	3.81	14.62	*****
-1.00	5.53	20.15	*****
-0.50	7.51	27.67	*****
0.00	0.80	27.67	
.50	1.74	29.41	**
1.00	1.99	31.40	**
1.50	1.74	33.15	**
2.00	2.49	35.64	**
2.50	1.99	37.63	**
3.00	2.49	40.12	**
3.50	3.99	44.11	*****
4.00	6.22	52.33	*****
4.50	1.49	53.82	**
5.00	5.96	59.78	*****
5.50	8.94	63.72	*****
6.00	7.45	76.17	*****
6.50	5.96	82.12	*****
7.00	7.45	89.57	*****
7.50	5.96	95.53	*****
8.00	3.72	99.26	*****
****	.74	100.00	*****

MEAN ST.DEV. SKEWNESS KURTOSIS

3.03	3.39	-.19	-1.29
3.04	3.52	-.29	.62

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 8.0 PHI

FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES	MEDIAN	3.86	5TH	-2.56	16TH	-1.38	25TH	-.68
			75TH	5.92	84TH	6.63	95TH	7.46
PCT. GRAVEL	20.15	SAND	32.18	SILT (PIPETTE)	41.47	CLAY (PIPETTE)		6.20
				(SEDIGRAPH)	46.92	(SEDIGRAPH)		.74
GRAVEL+SAND	52.33	SILT/(SILT+CLAY)		98.44PCT.GRAV+SAND/SILT+CLAY				1.10

LABELS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUD (SCS)-

COMMENTS - ORGANIC DETRITUS PRESENT

PHI PCT. CUMFCT.

05/19/52

-2.00	24.59	24.59	*****
-1.50	6.94	31.53	*****
-1.00	9.47	41.00	*****
-.50	.30	41.30	
0.00	6.30	47.60	*****
.50	3.60	51.19	****
1.00	3.00	54.19	***
1.50	3.30	57.49	***
2.00	4.50	61.99	****
2.50	3.60	65.58	****
3.00	3.90	69.48	****
3.50	2.40	71.88	**
4.00	1.65	73.53	**
4.50	.83	74.36	*
5.00	.83	75.19	*
5.50	1.65	76.84	**
6.00	1.65	78.50	**
6.50	3.31	81.80	***
7.00	4.96	86.77	*****
7.50	1.65	88.42	**
8.00	3.31	91.73	***
8.50	1.65	93.38	**
9.00	6.62	100.00	*****

MEAN ST. DEV. SKEWNESS KURTOSIS

1.55 3.37 .37 -.80

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	.83	5TH	-1.90	16TH	-1.67	25TH	-1.47
			75TH	5.39	84TH	7.22	95TH	*****
PCT. GRAVEL	31.53	SAND	40.35	SILT (PIPETTE)	19.94	CLAY (PIPETTE)	8.13	
				(SEDIGRAPH)	16.54	(SEDIGRAPH)	11.53	
GRAVEL+SAND	71.88	SILT/(SILT+CLAY)	58.82	PCT. GRAV+SAND/SILT+CLAY	2.56			

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

06/07/52

PHI	PCT. CUM PCT.	
-3.00		
-2.50	2.35	**
-2.00	6.61	2.35 *****
-1.50	4.58	8.96 *****
-1.00	7.82	13.54 *****
-.50	6.72	21.37 *****
0.00	.28	30.08
.50	5.93	30.36 *****
1.00	7.06	36.29 *****
1.50	6.78	43.35 *****
2.00	5.65	50.13 *****
2.50	5.65	55.78 *****
3.00	5.65	61.43 *****
3.50	5.08	67.07 *****
4.00	4.80	72.16 *****
4.50	.92	76.96 *
5.00	2.77	77.88 ***
5.50	2.77	80.64 ***
6.00	1.84	83.41 **
6.50	1.84	85.25 **
7.00	1.84	87.10 **
7.50	2.77	88.94 ***
8.00	1.84	91.70 **
8.50	.92	93.55 *
9.00	.92	94.47 *
	4.61	95.39 *****
*****	100.00	

MEAN ST. DEV. SKEWNESS KURTOSIS

1.66 2.91 .26 -.55 KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

1.94 3.43 .25 .99 FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD, 1957

PERCENTILES MEDIAN 1.49 5TH -2.30 16TH -1.34 25TH -.79
75TH 3.80 84TH 5.66 95TH 8.79

PCT. GRAVEL 21.37 SAND 55.59 SILT (PIPETTE) 16.50 CLAY (PIPETTE) 6.54
(SEDIGRAPH) 16.59 (SEDIGRAPH) 6.45

GRAVEL+SAND 76.96 SILT/(SILT+CLAY) 72.00 PCT. GRAV+SAND/SILT+CLAY 3.34

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

23719

TL81 24 58+ 250582

SIEVE, SETT. TUBE, PIPET, SEDIGRAPH

SAMPLE WT. = 21.8672

05/26/82

PHI	PCT.	CUMPCT.	
-3.00			**
-2.50	1.87	1.87	***
-2.00	3.34	5.21	*****
-1.50	6.91	12.12	*****
-1.00	7.82	19.94	*****
-.50	9.19	29.13	*****
0.00	.33	29.46	*****
.50	10.13	39.58	*****
1.00	6.53	46.12	*****
1.50	6.21	52.32	*****
2.00	5.23	57.55	*****
2.50	6.21	63.76	*****
3.00	5.55	69.31	*****
3.50	4.90	74.21	*****
4.00	2.94	77.15	***
4.50	.82	77.97	*
5.00	0.00	77.97	**
5.50	1.63	79.60	**
6.00	1.63	81.23	**
6.50	2.45	83.68	**
7.00	1.63	85.31	**
7.50	2.45	87.76	**
8.00	1.63	89.39	*
8.50	.82	90.21	*
9.00	.82	91.02	*****
*****	8.98		*****
*****		100.00	

MEAN ST.DEV. SKEWNESS KURTOSIS

1.44 2.78 .38 -.12

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.5 TO 9.0 PHI

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

PERCENTILES	MEDIAN	1.31	5TH	-2.03	16TH	-1.25	25TH	-.72
			75TH	3.63	84TH	6.60	95TH	*****

PCT. GRAVEL	19.94	SAND	57.21	SILT (PIPETTE)	17.34	CLAY (PIPETTE)	5.51
				(SEDIGRAPH)	12.24	(SEDIGRAPH)	10.61

GRAVEL+SAND 77.15 SILT/(SILT+CLAY) 53.57PCT.GRAV+SAND/SILT+CLAY 3.38

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