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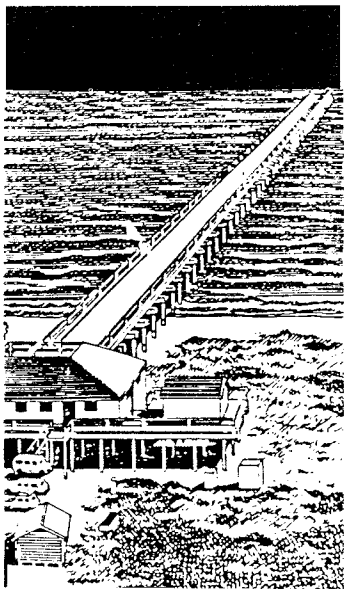

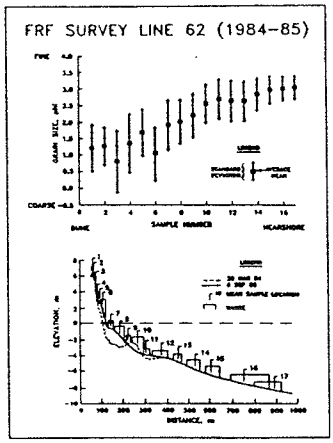

COASTAL ENGINEERING RESEARCH CENTER

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LONG–TERM PROFILE AND SEDIMENT MORPHODYNAMICS: FIELD RESEARCH FACILITY CASE HISTORY

by

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13. ABSTRACT *(Maximum 200 words)*

Surface sediment grab samples were collected along one profile line at the Field Research Facility (FRF) at Duck, NC, over a 17.8-month period from March 1984 to September 1985. Profile surveys were taken about every 2 weeks, with sediment samples collected approximately once a month. Extra profile and sediment samples were collected after storms. This comprehensive data set of beach profiles, sediment, and wave and weather conditions provides a unique opportunity to examine natural profile changes and resulting changes in sediment grain-size distribution along the entire length of an active profile and to test and evaluate models of beach profile/sediment interactions to changing coastal processes. Spatial changes indicate that the most active part of the profile at the FRF is the bar/trough area that alternately moves seaward after storms and migrates landward during fair weather wave conditions. The highest variability in sediment grain-size distributions occurred on the subaerial beach and foreshore area. The most stable sediment distributions occurred on

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the most stable nearshore area, seaward of 450 m from the baseline. High wave activity caused foreshore erosion and sediment migration seaward and alongshore. After high energy events, the sediments became coarser and more poorly sorted. Lower energy wave conditions for long periods of time created conditions of landward migration of the inner bar and accretion on the foreshore, with deposition of finer sediments. Any modeling effort requiring grain-size data should evaluate the cross shore variability of that particular beach and choose either a composite of the subaerial berm/foreshore portion of the beach or total profile to characterize the sediment distribution. Since most equations require a single value, the use of a beach or profile composite mean is suggested to give the best representation.

PREFACE

This report provides a summary of long-term profile and sediment morphodynamics using data collected at the Field Research Facility (FRF) of the Coastal Engineering Research Center (CERC), US Army Engineer Waterways Experiment Station (WES). This research was authorized by Headquarters, US Army Corps of Engineers (HQUSACE), under Civil Works Coastal Geology and Geotechnology Program Work Unit 32540, "Use of Geological Characteristics to Interpret Coastal Processes." Funds were provided through the WES, CERC, Coastal Geology and Geotechnical Program under the management of Dr. C. Linwood Vincent. The HQUSACE Technical Monitor was Mr. John F. C. Sanda.

This report was prepared by Dr. Donald K. Stauble, Research Physical Scientist, Team Leader, Coastal Geology Unit (CGU), Coastal Structures and Evaluation Branch (CS&E), Engineering Development Division (EDD), CERC, under the direct supervision of Ms. Joan Pope, Chief, CS&E, and under the general supervision of Mr. Thomas W. Richardson, Chief, EDD; Dr. James R. Houston, Director, CERC; and Mr. Charles C. Calhoun, Jr., Assistant Director, CERC.

Mr. William A. Birkemeier, Chief, FRF, provided data on beach profiles, sediment grain size, and waves and tides collected at the FRF. Computer analysis and graphics were performed by Ms. Karen R. Pitchford, CS&E, and Ms. Lynn Bessonette, Ms. Michelle Kindhart, Mr. Cory Kindhart, Ms. Claire Livingston, and Ms. Elizabeth Sprehe of the CGU.

Dr. Robert W. Whalin was Director of WES during the publication of this report. COL Leonard G. Hassell, EN, was Commander and Deputy Director.

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LONG-TERM PROFILE AND SEDIMENT MORPHODYNAMICS: FIELD RESEARCH FACILITY CASE HISTORY

PART I: INTRODUCTION

1. This report provides an examination of the interaction between long-term beach and nearshore profile changes and sediment grain-size distributions across the profile. At the present, there is little guidance on the modeling of sediment grain-size parameters in cross-shore changes in the beach profile. This is the first report on the use of geological characteristics in interpretation of coastal processes. It will focus on the morphodynamics (the change in morphology due to the dynamics of coastal processes) of an oceanfront beach over a 535-day period. The beach is constantly reshaping its profile and sediment composition as it is being influenced by ever changing wave, wind, tides, and longshore currents. A better understanding of this complex interaction is needed to improve beachfront erosion control and storm protection project design.

2. A unique data set of long beach profiles stretching from the dune out 1,000 m into the nearshore is being collected on a continuous basis at the Field Research Facility (FRF) of the US Army Engineer Waterways Experiment Station (WES), Coastal Engineering Research Center (CERC). This facility was established to provide research and development capability for field studies in coastal processes and shoreline response. As part of the operation, a long-term data set of waves, currents, tides, atmospheric conditions, and beach profile changes is continuously being collected. As a supplement to this data collection, surface sediment grab samples were collected along one profile line over a 17.8-month period from March 1984 to September 1985. Profile surveys were taken on an approximately 2-week schedule, with the sediment samples collected approximately once a month. Extra profiles and sediment samples were collected after storms.

3. This continuing collection of data is unique in providing a long-term data set of accurate profile response to coastal processes. With the addition of sediment samples for the study period, spatial coverage is provided along the profile over a long temporal period, with concomitant wave, weather, and water-level information. This comprehensive data set provides a

unique opportunity to examine the natural profile changes and resulting changes in the sediment grain size distribution along the entire length of the active profile and to test and evaluate models of beach profile/sediment interactions to changing coastal processes.

4. The FRF is located just north of the village of Duck, NC, on a narrow barrier spit that is part of the outer banks barrier island and spit complex fronting the Atlantic Ocean (Figure 1). The facility contains a shore-normal 561-m-long research pier and 1,200 m of beachfront. General information on the FRF is found in Birkemeier et al. (1985), and information on the geology is found in Meisburger and Judge (1989).

5. The data used in this report were collected on Profile Line 62, located 489.21 m north of the pier as shown on Figure 2. This line is located outside the influence of the pier (Miller, Birkemeier, and DeWall 1983). Data on profiles have been collected on a continuous basis on this line (as well as three others) since January 1981 (Howd and Birkemeier 1987). A systematic collection of sediment data began on 20 March 1984 and continued until 6 September 1985. During this study period, 41 profiles were surveyed, with 21 containing sediment data. The sampling period extended across the seasonal cycle at the FRF, which is somewhat typical of most US east coast beaches, consisting of extratropical storms (northeasters) commonly occurring during the winter months from September to May with fair weather conditions during the summer months. No tropical storms (occurring in the summer months from June to October) impacted the area during the study period. Only a few extratropical storms of major proportion occurred during the study.

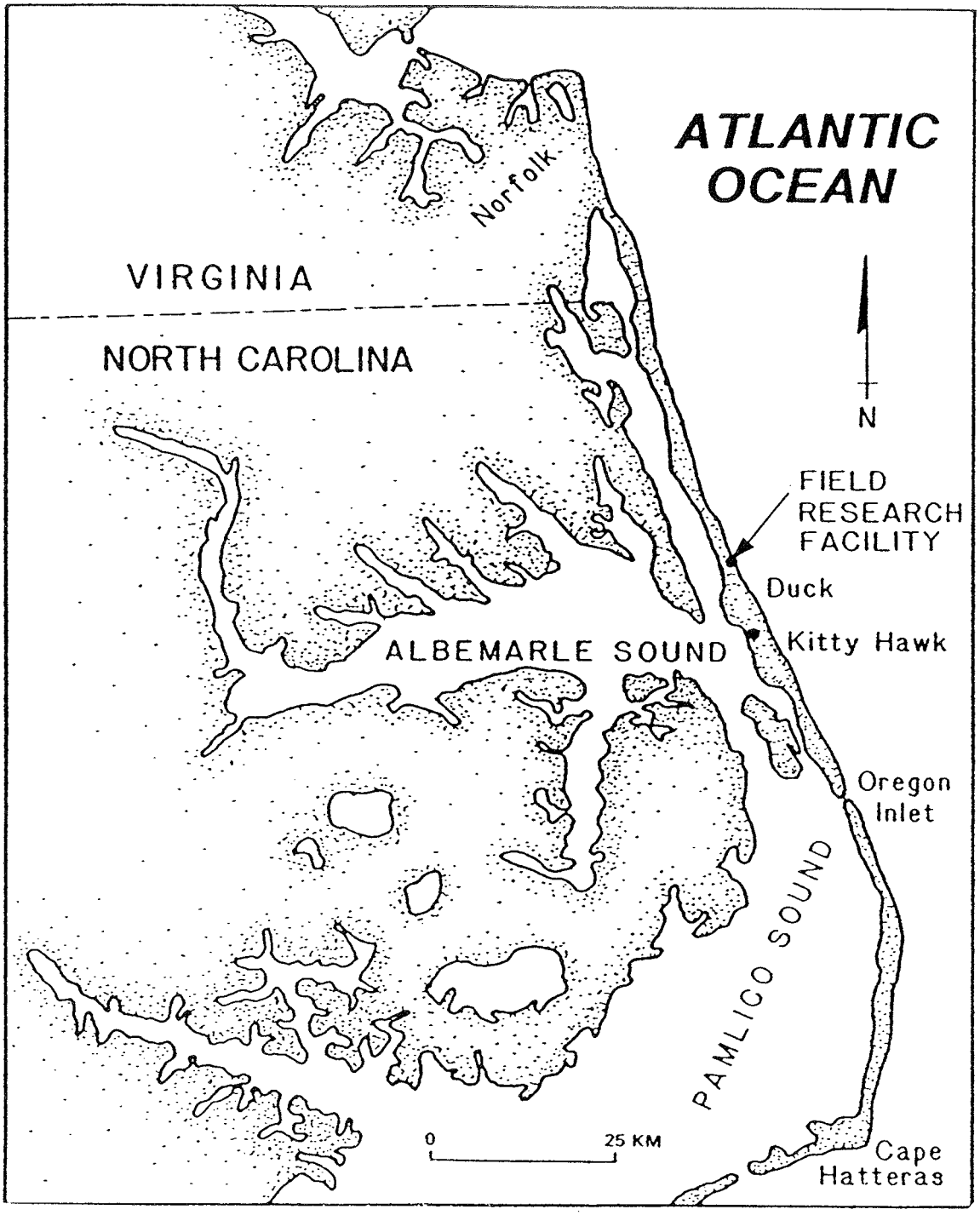


Figure 1. Location map of the FRF

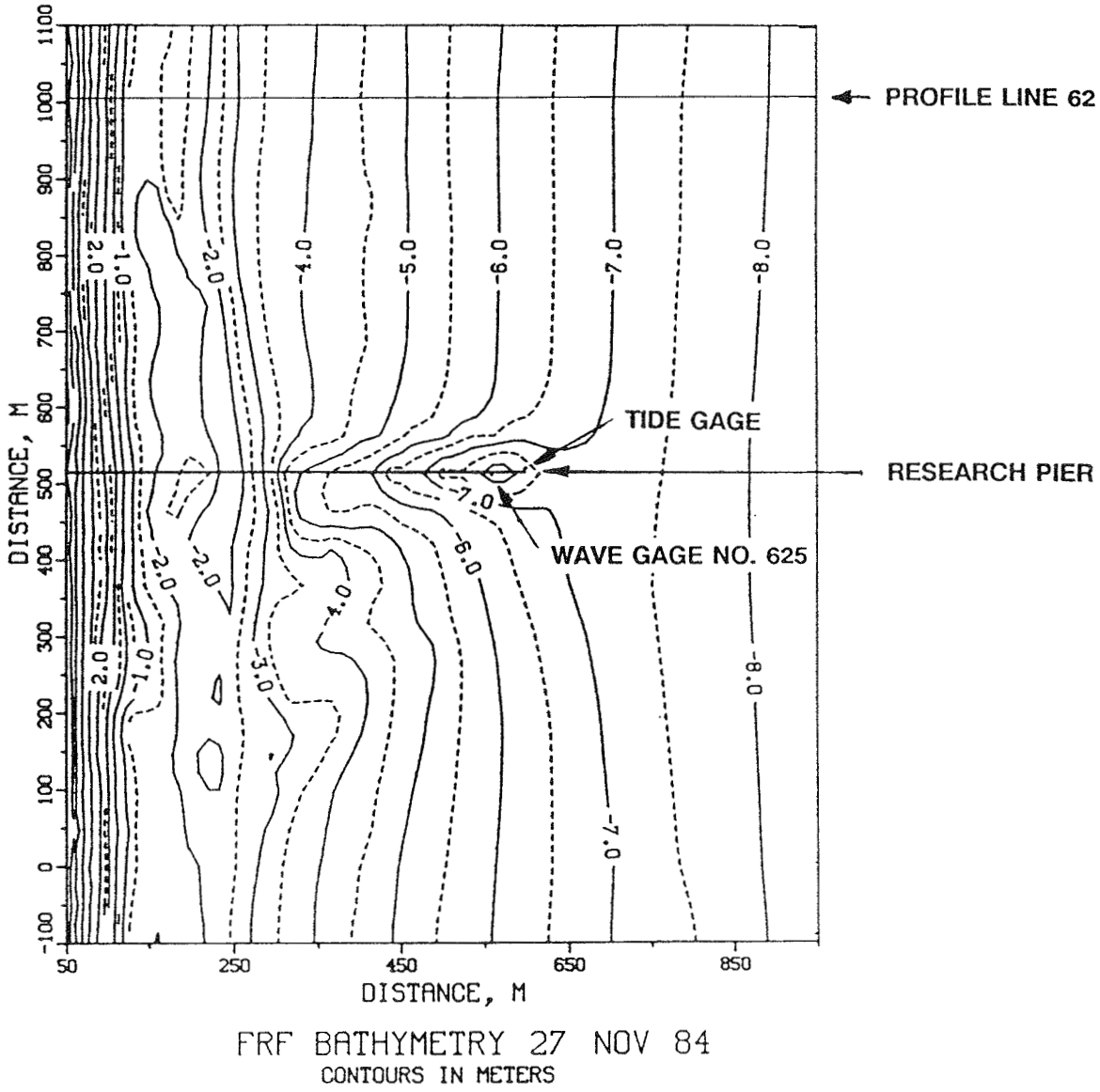


Figure 2. Location of Profile Line 62 on plan view of FRF survey area

PART II: PROFILE DATA

6. The beach profile data were collected from a shore-parallel baseline landward of the dune out to a depth of between -8 to -9 m, which extended up to 1,000 m seaward of the baseline on the longer profiles. All profiles were referenced to the 1929 National Geodetic Vertical Datum (NGVD). Collection was approximately biweekly, but varied between each individual profile. Some profiles closely bracketed storm events.

7. All profiles were surveyed using the FRF Coastal Research Amphibious Buggy (CRAB) for the subaqueous portion of the profile. (See Birkemeier and Mason (1984) for details on the CRAB.) The dry beach and dune portions of the profile were surveyed by standard rod method, placing the rod at regular intervals or breaks in slope along the profile between the regular intervals (Howd and Birkemeier 1987). A Zeiss Elta-2 electronic surveying instrument was used to collect the profile data.

8. Pertinent data on the profiles used in this report are given in Table 1. The time scale of these data allows resolution from a few days to 17.8 months. Howd and Birkemeier (1987) described five profile configurations found at the FRF ranging from a minimal to a triple bar. Four of these profile types were observed during the study ranging from (a) the minimal bar feature, with a concave profile shape; (b) single inner bar centering around 200 m seaward of the baseline; (c) double bar with a prominent inner bar and a lower relief outer bar centering around 350 m from the baseline; and (d) triple bar with two bars in the inner region between 100 and 200 m, and the outer bar around 350 m. Figure 3 shows an example profile from each of the four categories. The most common profile type during the study period was the single inner bar. The profile data were analyzed and plotted using the Interactive Survey Reduction Program (ISRP) as described in Birkemeier (1984).

Table 1

Summary of Profile Data

Date	Profile No.	Length m	Profile Type	Sediments Collected
20 Mar 84	141	934.1	Double Bar	yes
2 Apr 84	143	980.2	Double Bar	no
6 Apr 84	144	924.3	Double Bar	no
13 Apr 84	145	1055.5	Double Bar	no
25 Apr 84	146	950.5	Triple Bar	no
9 May 84	147	926.6	Triple Bar	no
14 May 84	148	926.0	Triple Bar	no
24 May 84	149	977.9	Triple Bar	no
1 Jun 84	150	965.3	Inner Bar	no
13 Jun 84	151	1005.4	Inner Bar	no
28 Jun 84	152	983.3	Inner Bar	no
9 Jul 84	153	991.3	Inner Bar	no
21 Jul 84	154	987.2	Inner Bar	no
27 Jul 84	155	983.1	Inner Bar	no
11 Aug 84	156	987.6	Inner Bar	yes*
30 Aug 84	157	988.8	Minimal Bar	no
6 Sep 84	158	925.9	Minimal Bar	no
10 Sep 84	159	687.3	Inner Bar	yes
20 Sep 84	160	976.2	Inner Bar	yes
2 Oct 84	161	903.0	Inner Bar	yes
7 Oct 84	162	678.0	Inner Bar	no
16 Oct 84	163	786.6	Inner Bar	yes
29 Oct 84	165	992.2	Inner Bar	yes
27 Nov 84	167	966.7	Inner Bar	yes
13 Dec 84	168	928.9	Inner Bar	no
2 Jan 85	169	934.8	Minimal Bar	yes
5 Jan 85	170	755.1	Inner Bar	yes
25 Jan 85	171	911.4	Inner Bar	yes
14 Feb 85	173	944.8	Inner Bar	yes
1 Mar 85	174	926.8	Inner Bar	yes
15 Mar 85	175	981.3	Inner Bar	yes
26 Mar 85	176	809.5	Inner Bar	no
23 Apr 85	178	1017.0	Minimal Bar	no
9 May 85	179	920.2	Inner Bar	yes
31 May 85	180	941.3	Inner Bar	yes
20 Jun 85	181	946.4	Inner Bar	yes
15 Jul 85	182	990.8	Inner Bar	yes
24 Jul 85	184	780.7	Inner Bar	no
7 Aug 85	185	919.4	Inner Bar	yes
21 Aug 85	186	965.2	Inner Bar	yes
3 Sep 85	187	995.9	Minimal Bar	no
6 Sep 85	188	968.9	Minimal Bar	yes

* Above NGVD only.

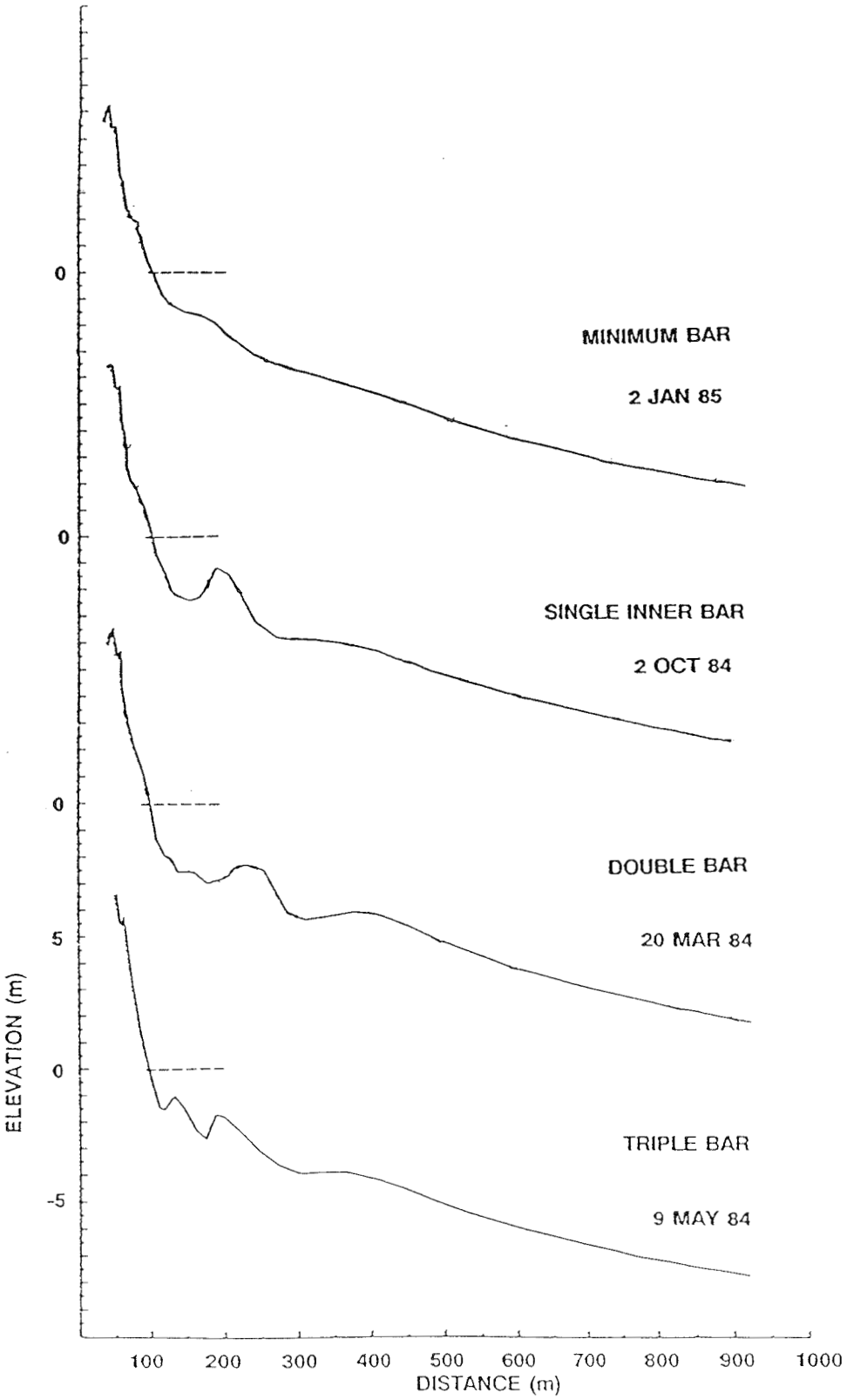


Figure 3. Examples of typical profile configurations during study

PART III: SEDIMENT DATA

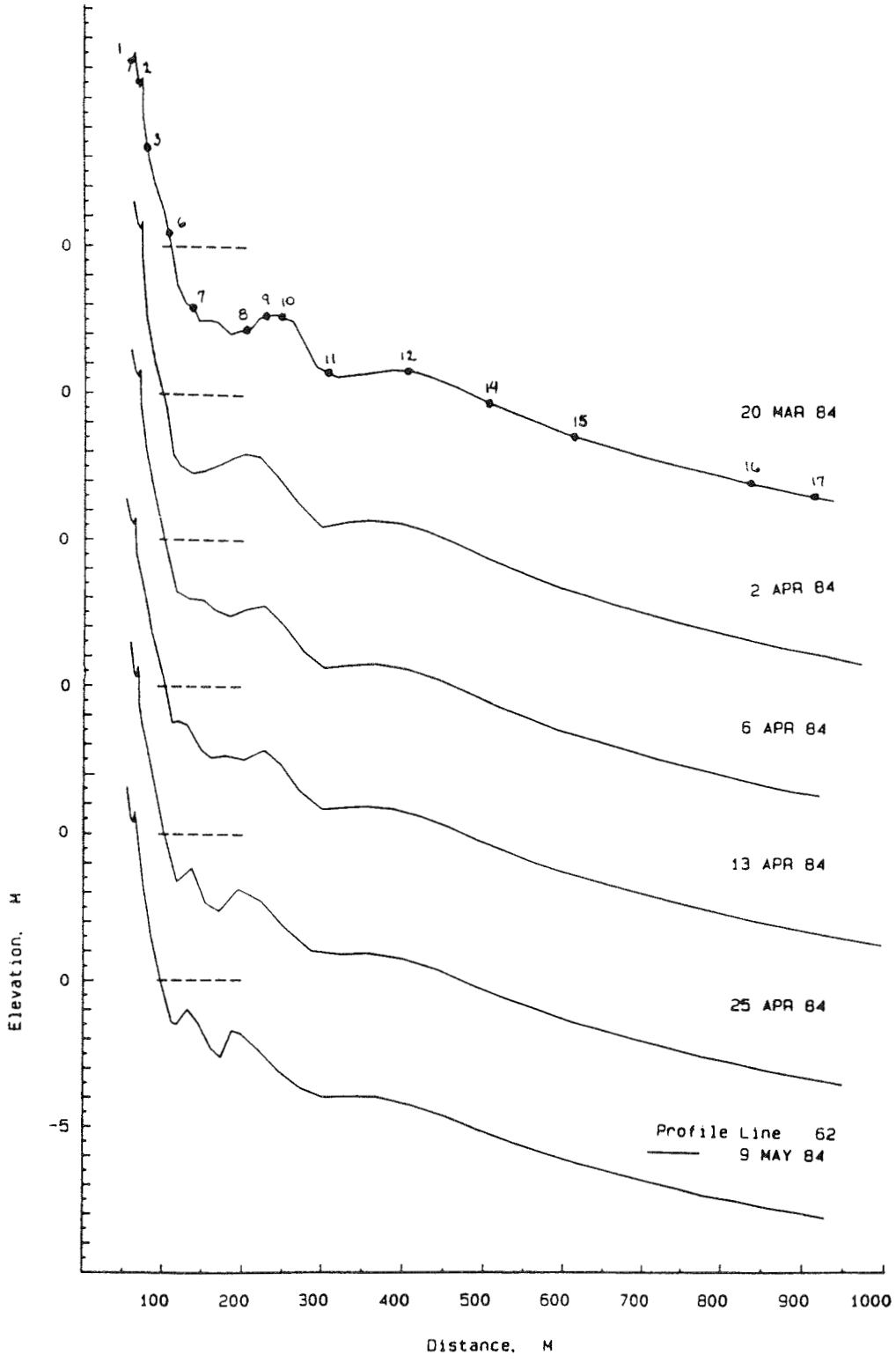
9. Surface grab sediment samples were collected across 21 of the profiles during the study period. On the subaerial beach, sediment was collected from the surface at selected sites along the profile. Most of the sampling was done concurrent with the profile survey. On rare occasions, the sediment was collected 1 day after the profile. The subaqueous samples (below wading depth) were collected from the CRAB with the use of a Ponar Grab Sampler. Approximately 100 to 200 g of sample was collected by both methods and bagged for laboratory analysis.

10. The distribution of sample stations for each profile is shown on Figure 4 along with the profile. Samples were not taken on every profile survey. Samples were first collected on 20 March 1984, but were not collected on a regular basis until 11 August 1984. After that point, samples were collected about once a month for the next 13 months, with more frequent collection bracketing storms or other periods of profile change.

11. Sediment sampling stations consisted of two locations in the dune area, four on the berm and intertidal area, four in the region of the inner bar and trough area, and seven in the nearshore area from the seaward edge of the inner bar to the limit of the profile. Except for the 11 August 1984 survey, when no samples below NGVD were collected, this sampling scheme was followed. Occasional sample stations were not collected during the study period for various reasons. A total of 316 individual samples were collected and analyzed.

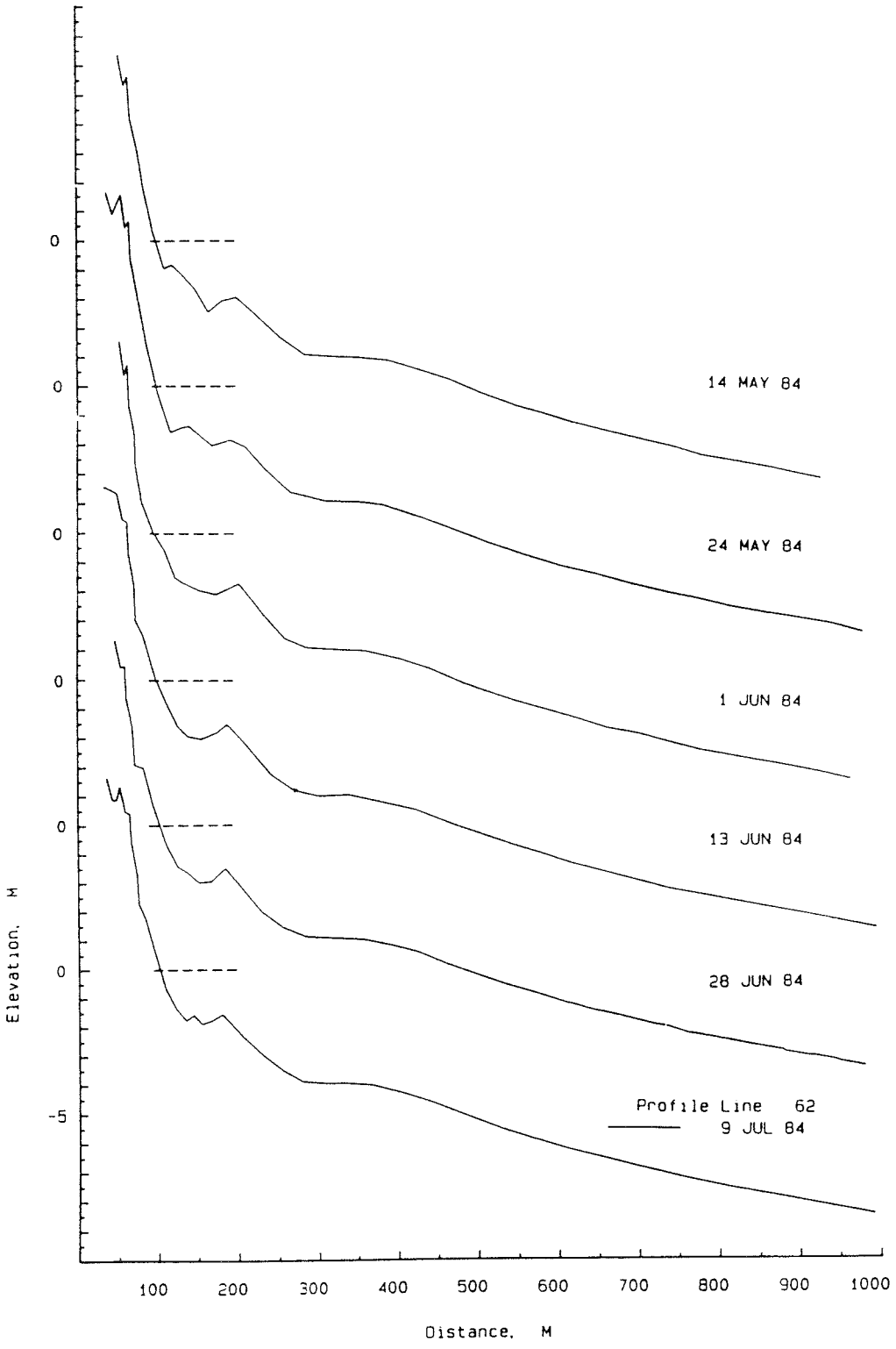
12. Laboratory procedures consisted of washing each sample to remove salt content and oven drying and splitting the sample down to approximately 20 g. Since the FRF beach is a high-energy open ocean beach, little fine-grained silt and clay material was deposited. Therefore, less than 5 percent of any sample contained silt-size material, and no fine-grained size analysis was needed. The dried, split sample was sieved using a sonic sifter with 1/4-phi (ϕ) interval nest of sieves (Underwood 1988). Table 2 shows the comparison of standard sieve mesh numbers, millimetre and phi units, along with the Unified Soils and Wentworth Classifications to aid the reader in interpretation of the sediment data.

13. Grain-size distributions and sediment statistics were calculated using the Interactive Sediment Analysis Program (ISAP), as described in Anders



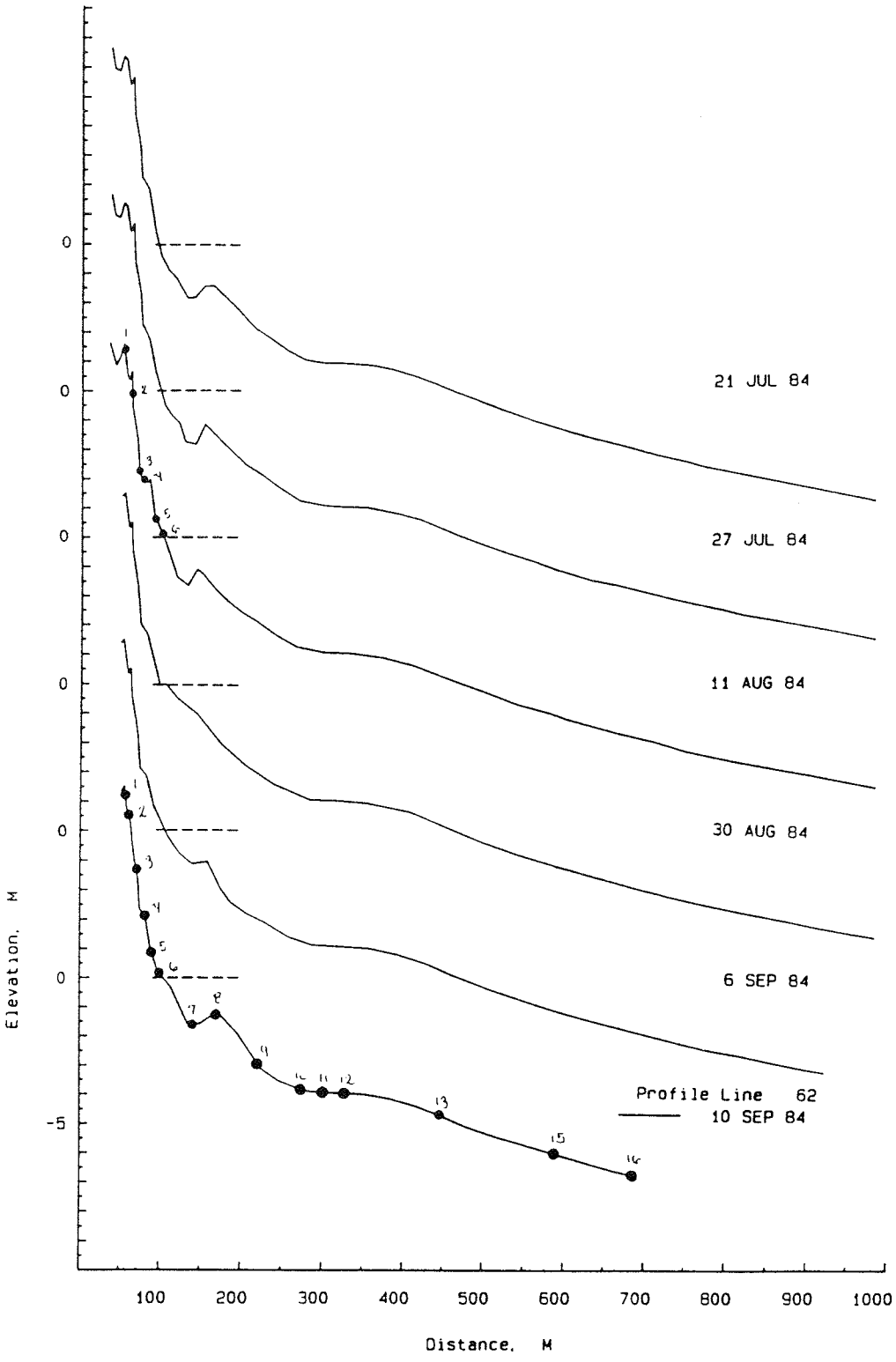
a. March to May 1984

Figure 4. Profiles and sediment sampling locations from 20 March 1984 to 6 September 1985 (Sheet 1 of 7)



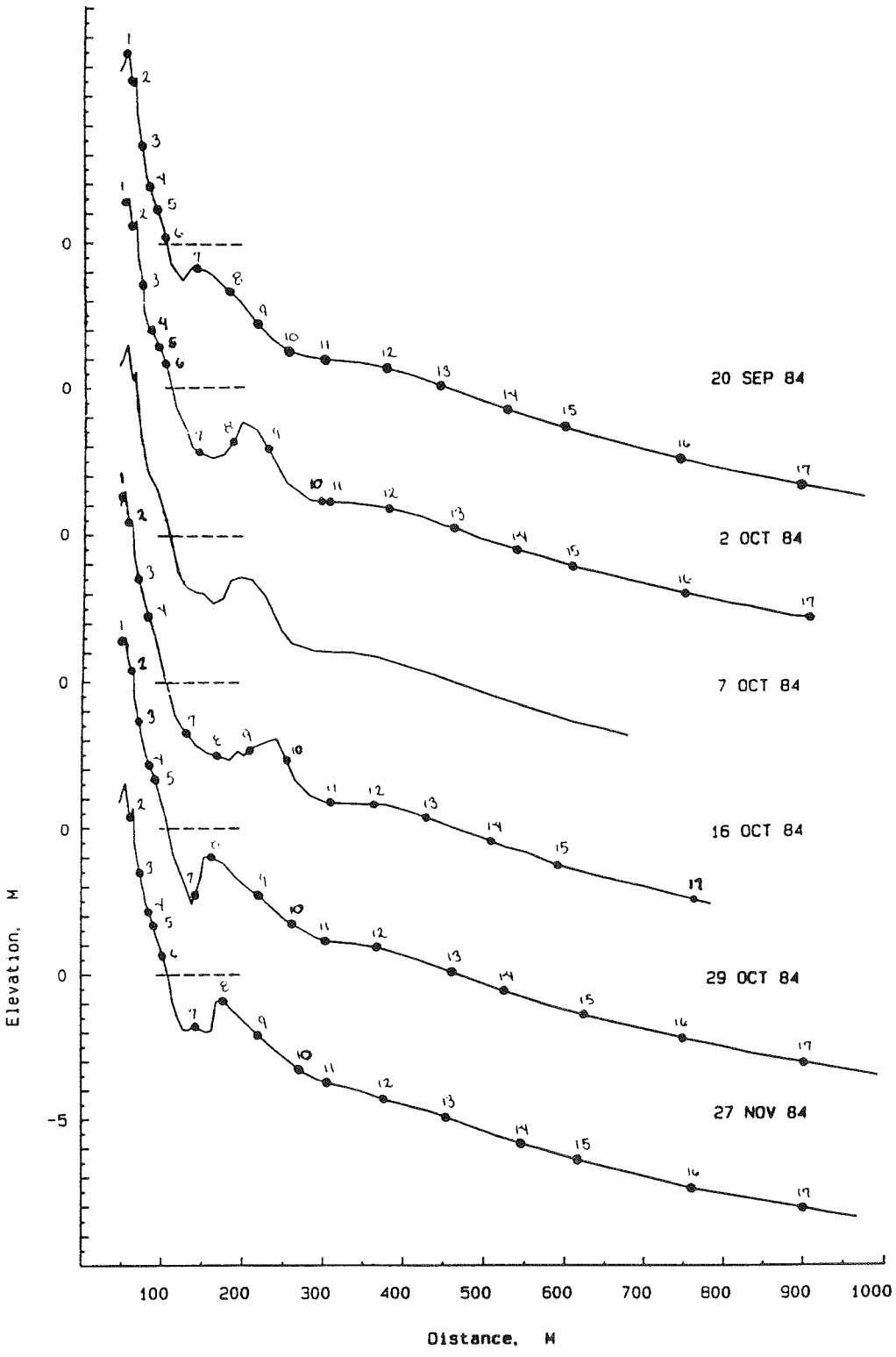
b. May to July 1984

Figure 4. (Sheet 2 of 7)



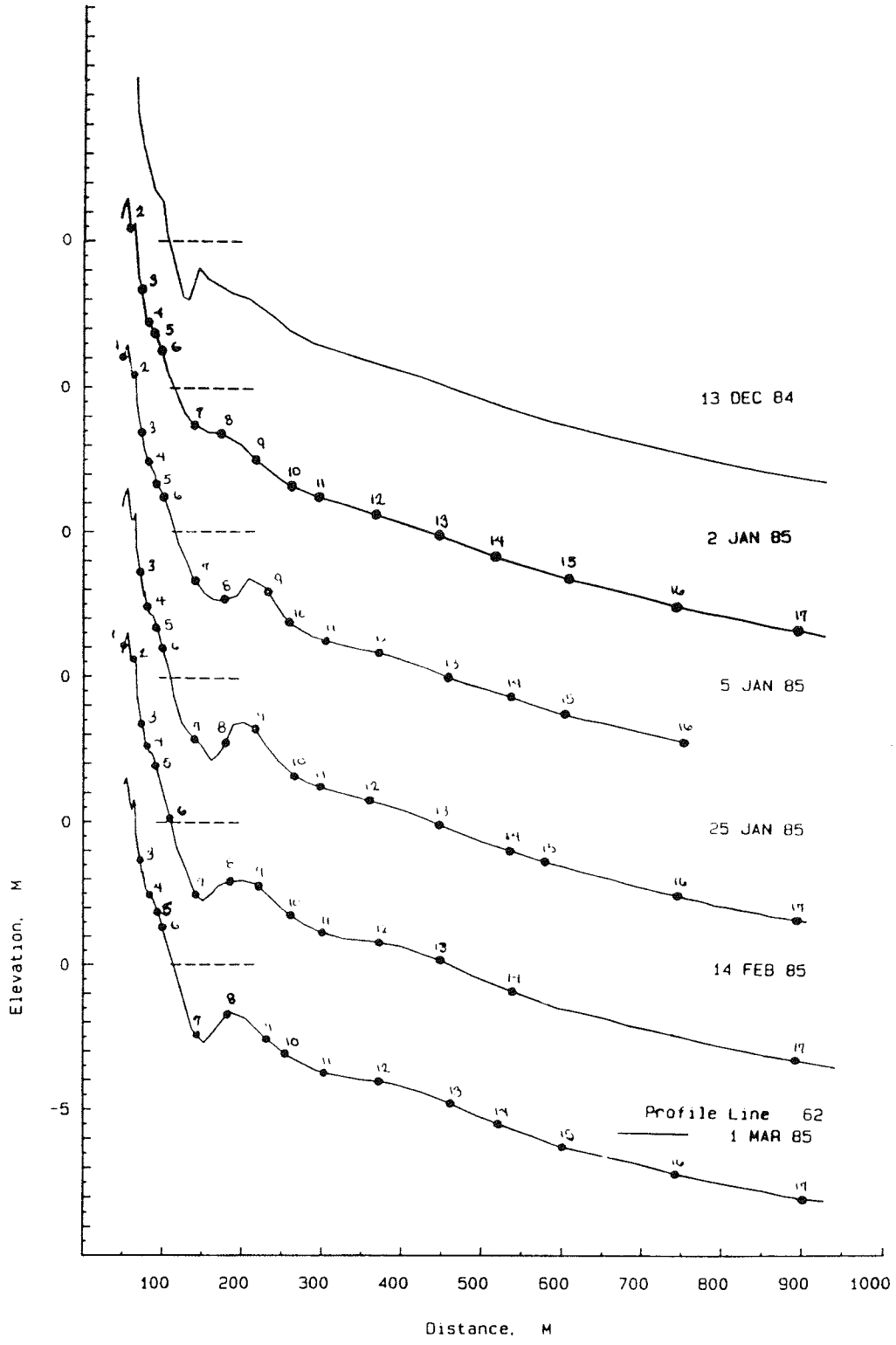
c. July to September 1984

Figure 4. (Sheet 3 of 7)



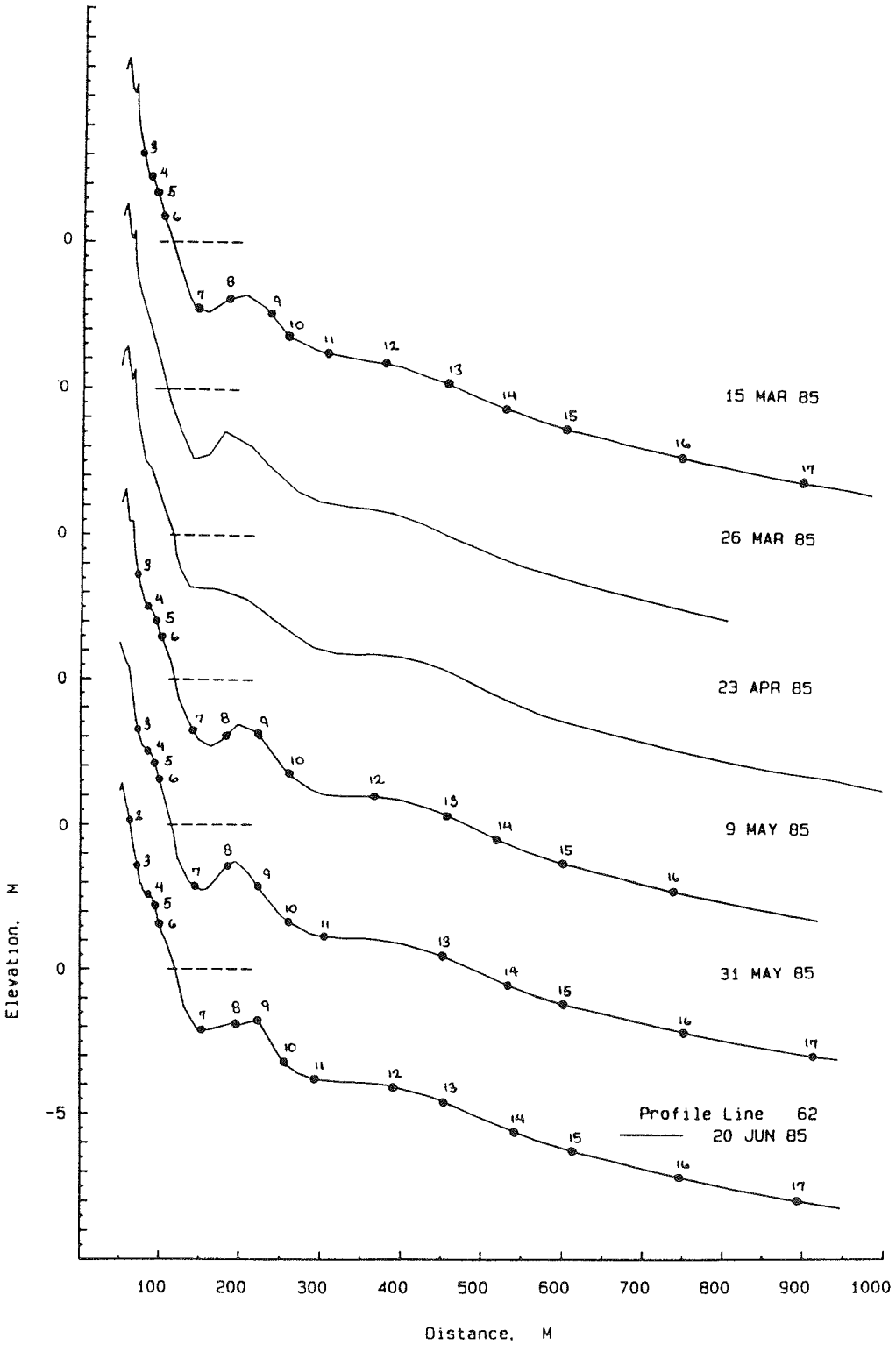
d. September through November 1984

Figure 4. (Sheet 4 of 7)



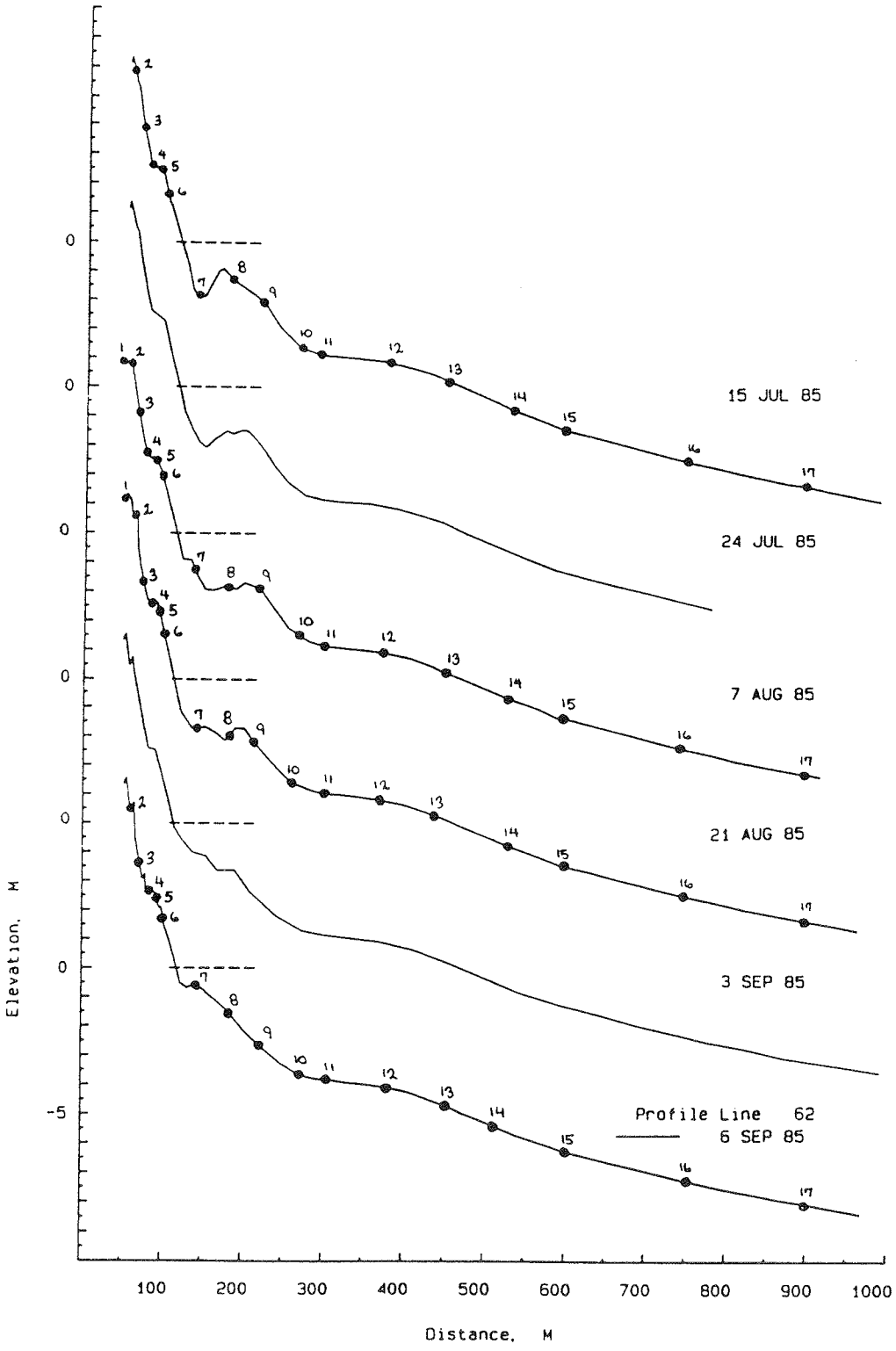
e. December 1984 to March 1985

Figure 4. (Sheet 5 of 7)



f. March through June 1985

Figure 4. (Sheet 6 of 7)



g. July to September 1985

Figure 4. (Sheet 7 of 7)

Table 2

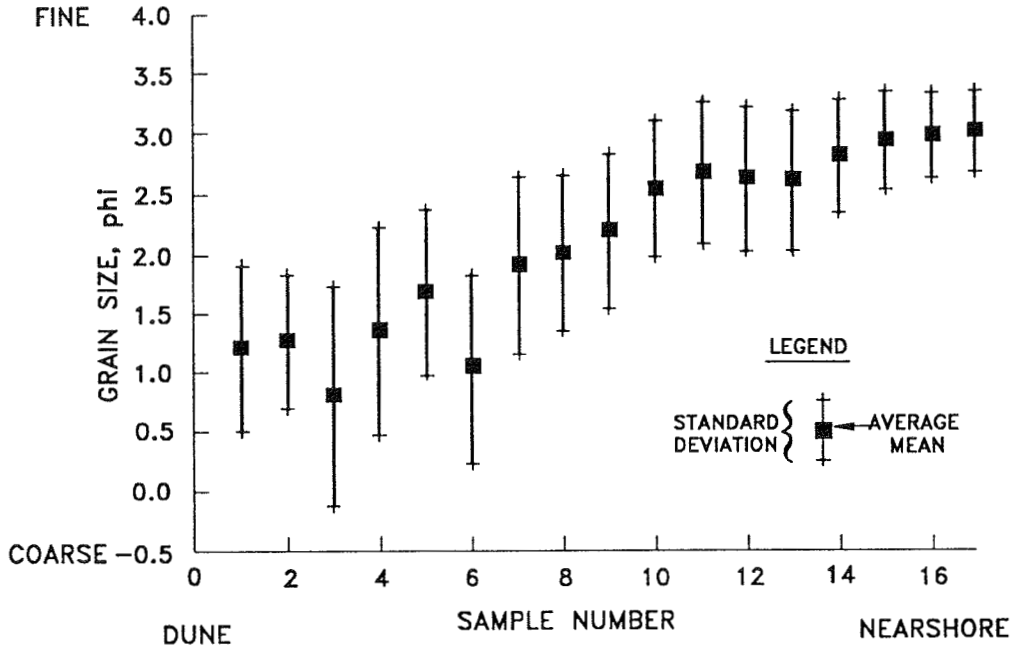
Conversion Chart of Sediment Grain-Size Classifications

UNIFIED SOILS CLASSIFICATION		ASTM MESH	MM SIZE	PHI SIZE	WENTWORTH CLASSIFICATION	
			4096.00	-12.0		
			1024.00	-10.0	BOULDER	
			256.00	-8.0		
COBBLE			128.00	-7.0	COBBLE	G
			107.64	-6.75		
			90.51	-6.5		
			76.00	-6.25		
			64.00	-6.0		R
			58.82	-5.75		
COARSE GRAVEL			45.26	-5.5		
			38.00	-5.25		
			32.00	-5.0		A
			26.91	-4.75		
			22.63	-4.5		
			19.00	-4.25	PEBBLE	
			16.00	-4.0		V
			13.45	-4.75		
FINE GRAVEL			11.31	-3.5		
			9.51	-3.25		
		2.5	8.00	-3.0		E
		3	6.73	-2.75		
		3.5	5.66	-2.5		
		4	4.76	-2.25		
		5	4.00	-2.0		L
	Coarse	6	3.36	-1.75		
		7	2.85	-1.5	GRANULE	
		8	2.35	-1.25		
S		10	2.00	-1.0		
		12	1.68	-0.75	Very Coarse	
		14	1.41	-0.5		
		16	1.19	-0.25		
A	Medium	18	1.00	0.0		S
		20	0.84	0.25		
		25	0.71	0.5	Coarse	
		30	0.59	0.75		
N		35	0.50	1.0		A
		40	0.42	1.25		
		45	0.35	1.5	Medium	
		50	0.30	1.75		
D		60	0.25	2.0		N
		70	0.210	2.25		
	Fine	80	0.177	2.5	Fine	
		100	0.149	2.75		
		120	0.125	3.0		D
		140	0.105	3.25	Very Fine	
		170	0.088	3.5		
		200	0.074	3.75		
		230	0.0625	4.0		
		270	0.053	4.25		
		325	0.044	4.5		
SILT		400	0.037	4.75	SILT	
			0.031	5.0		M
			0.0156	6.0		
			0.0078	7.0		
			0.0039	8.0		
			0.0020	9.0		U
			0.00098	10.0	CLAY	
CLAY			0.00049	11.0		
			0.00024	12.0		
			0.00012	13.0	COLLOID	D
			0.00006	14.0		

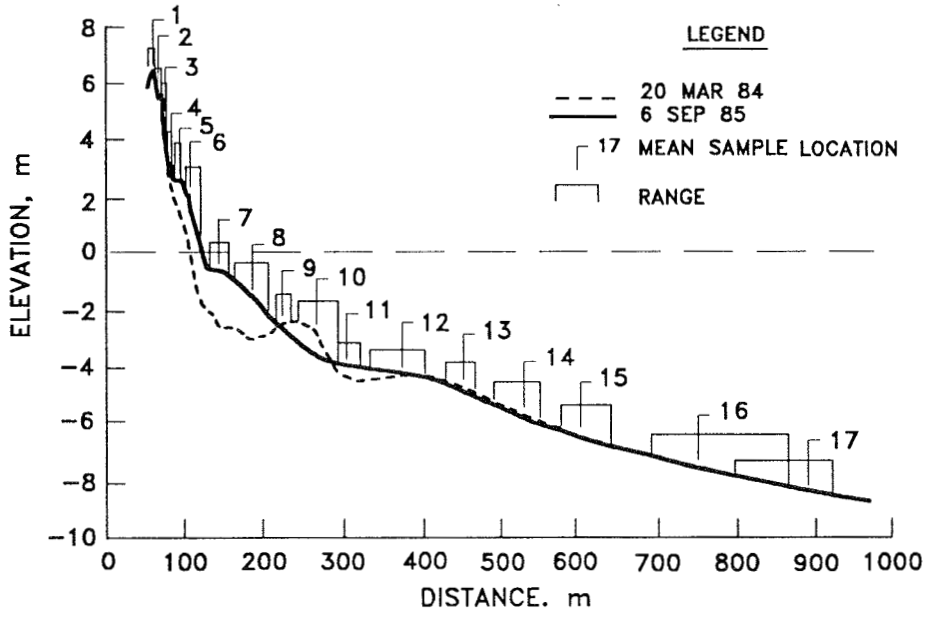
et al. (in preparation). The output of the program provided several sediment size statistics and provided graphic capability to produce frequency, cumulative frequency, histograms, and probability curves of the individual sediment samples. Mean and sorting values included in this report were calculated using the method of moments (Friedman and Sanders 1978). The median values were calculated by graphic formulas (Folk 1974). The program also calculated composite samples, combining individual samples mathematically to produce composite sediment statistics and graphics.

14. Sediment sample statistics are used to characterize the sediment grain-size distribution. Beach sediments can be composed of several types of minerals such as quartz, feldspar, carbonate shell material, and heavy minerals. The FRF beach contains primarily quartz sand with secondary components of rock fragments of granule size, some shell material, heavy minerals, mica, glauconite pellets, and foraminiferal tests (Meisburger and Judge 1989). The main statistical descriptors used here to describe the sediment are the first moment (mean grain size), second moment (standard deviation representing the degree of sorting), and the median or D_{50}. While these values are good single-value descriptors of the sediment, the entire grain-size distribution is needed to show the variation that encompasses the size range common to this coast. Grain-size distributions are illustrated using a frequency curve.

15. The sediment sampling scheme attempted to locate the sample at the same distance seaward of the baseline during each sampling period. Figure 5 shows the average locations of the 17 samples with the range at each station. For the most part, the 21 sediment sampling periods collected sediment within a narrow across-profile position. The sampling positions varied more in the nearshore area as the spacing between stations increased. The first and last profiles are plotted to show the envelope of elevation change and position of the berm, bar, and trough relative to the station locations with time. The general trend was for the sediment to become finer in the offshore direction. An average of all the means for each station from Station 1 in the dune to Station 17 in the nearshore region showed this trend (Figure 5), except for Station 3 at the base of the dune and Station 6 on the foreshore, which were coarser than the surrounding stations. The stations on the beach (Stations 3 through 6) had the highest range of standard deviation. The narrowest range in standard deviation over the study period occurred in the far nearshore region (Stations 14 through 17).



a. Average mean grain-size distribution with standard deviation across profile



b. Mean and range of sample locations shown on envelope of profiles over study period

Figure 5. FRF Survey Line 62, 1984-1985

16. Bascom (1959) characterized the variation in grain-size distributions across several Pacific Coast beaches. Based on a reference sample located in the midtide beach face, the trend was for samples landward of this reference point on the berm to be coarser and then to become finer into the dune area. In the offshore direction, samples at the plunge point (just seaward of the backwash, shore break interaction area) were the coarsest, with a fining of samples with increasing depth and distance offshore. The largest grain sizes are found at the areas of highest turbulence, with decrease in size with decreasing turbulence. The mean size distribution at the FRF generally fits this model. The mean grain size becomes progressively finer in the offshore direction. Samples were not consistently collected at the plunge point at the base of the foreshore for this experiment, so the coarsest sediment may have been missed.

17. A somewhat anomalous condition exists at the FRF in that the coarsest material measured was located at Station 3 in the vicinity of the base of the dune rather than the top of the summer berm as found by Bascom (1959). The mean of the dune samples also was coarser than some of the beach samples, possibly because the dunes were man-made in the 1930's by a Work Projects Administration project and were not solely a product of eolian transport.

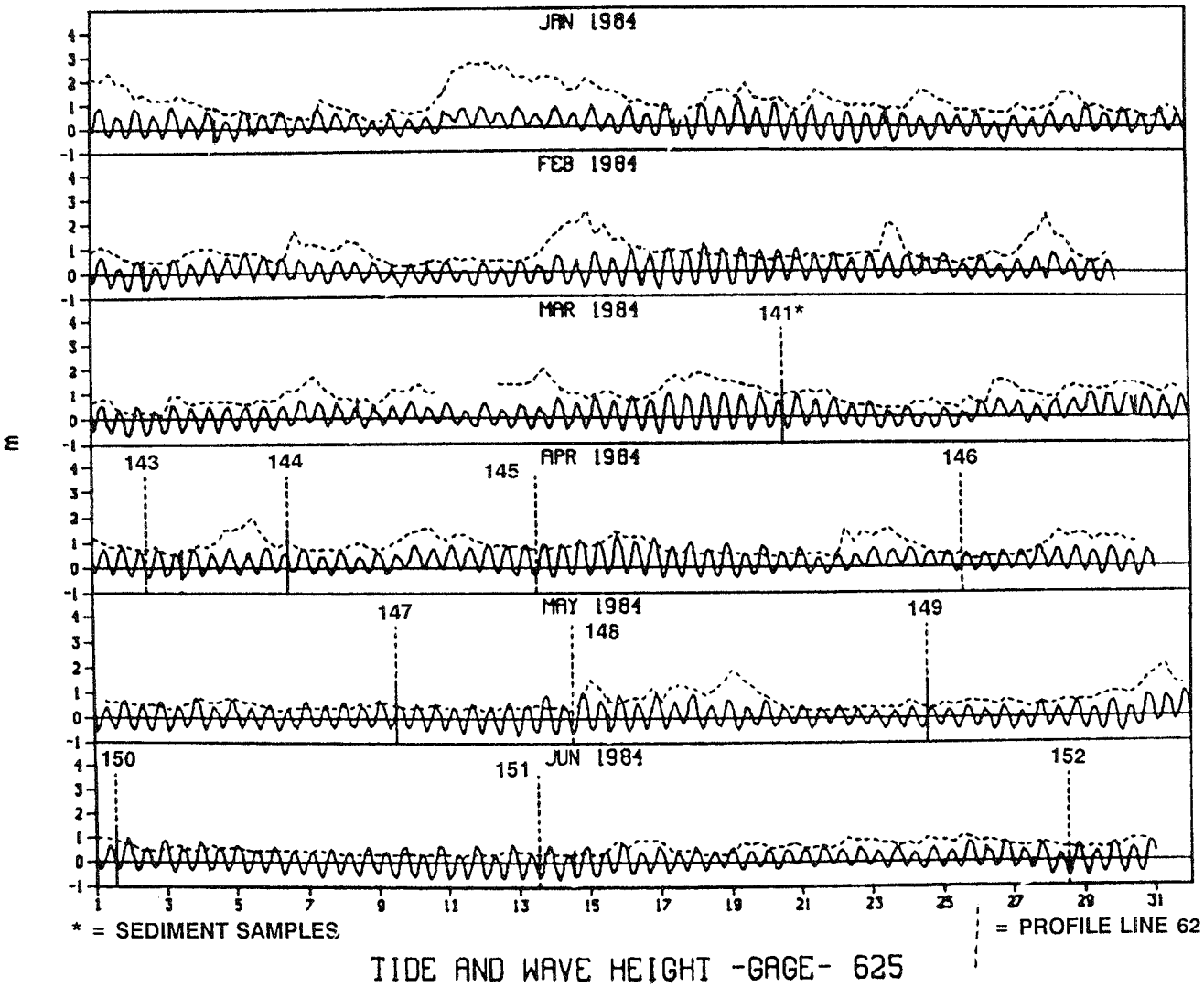
PART IV: WAVE AND WATER LEVEL DATA

18. Wave heights and periods have been collected at the FRF on a continuous basis at various gages. Gage 625, a Baylor wave staff located near the end of the research pier (Figure 2), was used in this study, since it had the most complete data during the study period. Data were sampled at 4 Hz, every 6 hr for 20 min, with hourly readings during storms (Howd and Birkemeier 1987). During some storms, Gage 625 was in the breaker zone and gave breaking wave readings. During these times and when the gage was otherwise inoperable, data were transformed into the pier from Gage 620, a Waverider buoy located in 18 m of water, some 2.1 km eastward from the baseline on the dune, directly in line with the pier (Birkemeier et al. 1985). These data were transformed into the depth of the pier using a method developed by Hallermeier (1983).

19. A tide gage maintained by the National Oceanographic and Atmospheric Administration, National Ocean Service (NOAA/NOS), at the seaward end of the pier (Figure 2) recorded the water levels due to tidal fluctuations and storm surge. The total water level was used to give an identification of storm surge as a forcing function to profile and sediment change.

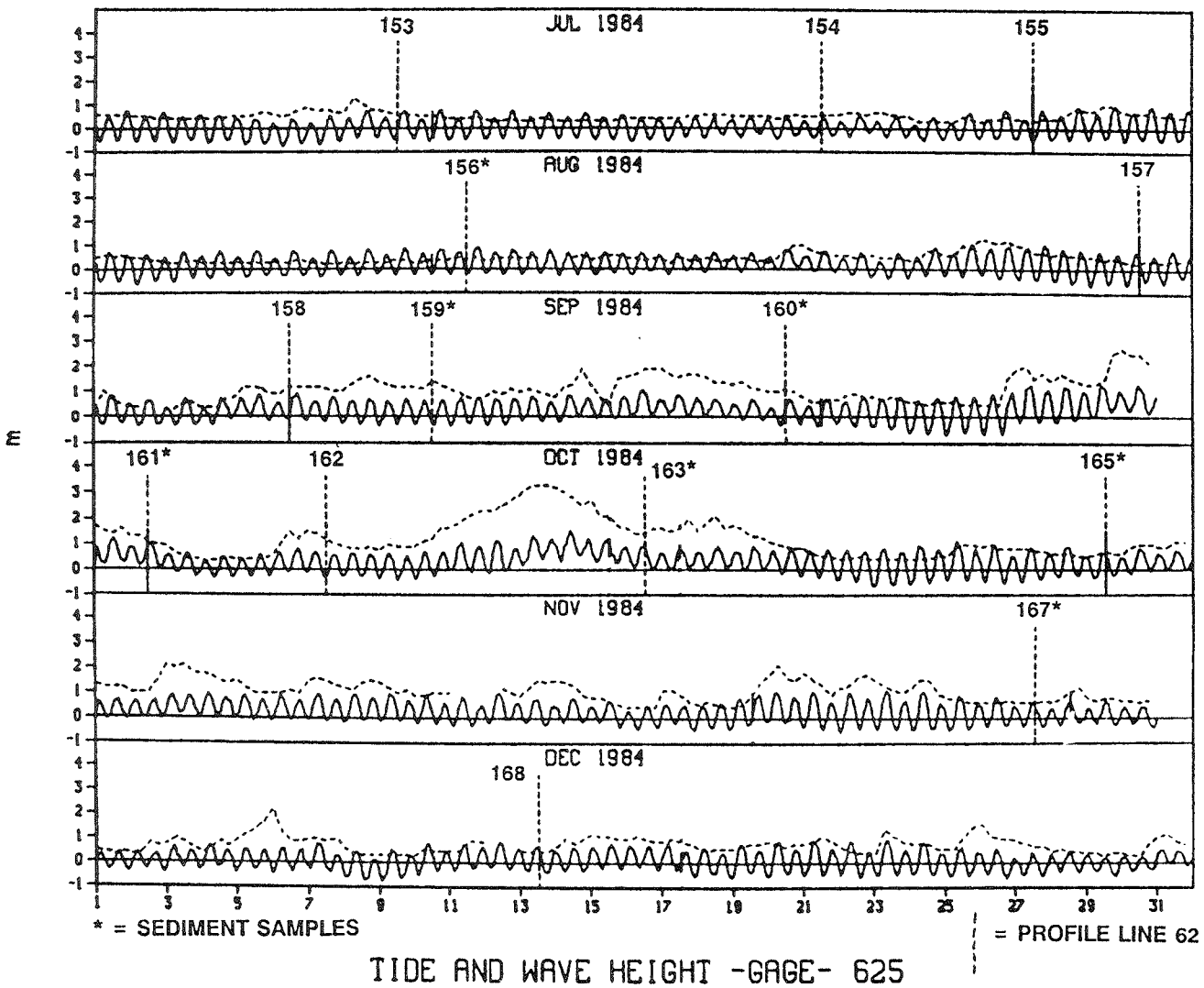
20. Figure 6 shows the time-averaged record of the wave height and water level relative to the profile surveys and sediment sampling. The seasonal cycle in wave height can be seen with low waves occurring during the summer months of June through August. Only one event of higher waves (just reaching 2-m heights) occurred 2-3 August 1985. Higher frequencies of extreme events (waves greater than 2 m and elevation of water level above normal tidal variations) occurred during the fall, winter, and spring months of 1984 and 1985. Approximately one event occurred within each fall, winter, and spring monthly period during the study. Several times during the study, the wave height was greater than 2 m. Some of these events were accompanied with elevated water levels, indicative of a storm surge. The highest waves recorded during the study were greater than 3 m and occurred from 11 to 17 October 1984. Otherwise, the entire study period from March 1984 to September 1985 was relatively free from major storm events.

21. In an effort to identify high wave events that would affect profile change and sediment distribution, wave power was calculated and plotted for the study period (Figure 7). The wave power was calculated from the wave



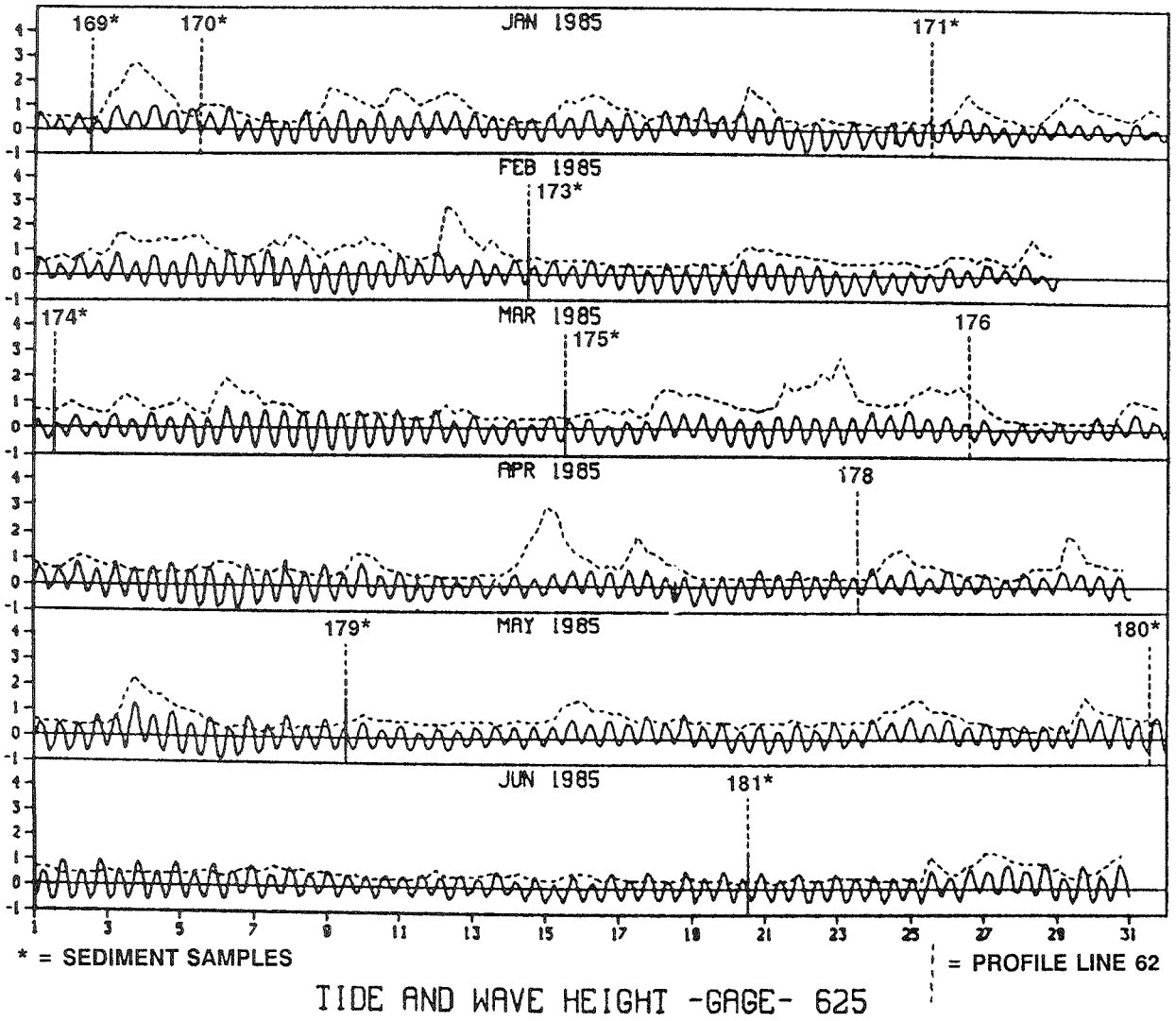
a. January through June 1984

Figure 6. Time line of wave and water level records with profile survey and sediment collection times, tide and wave height, Gage 625 (Sheet 1 of 4)



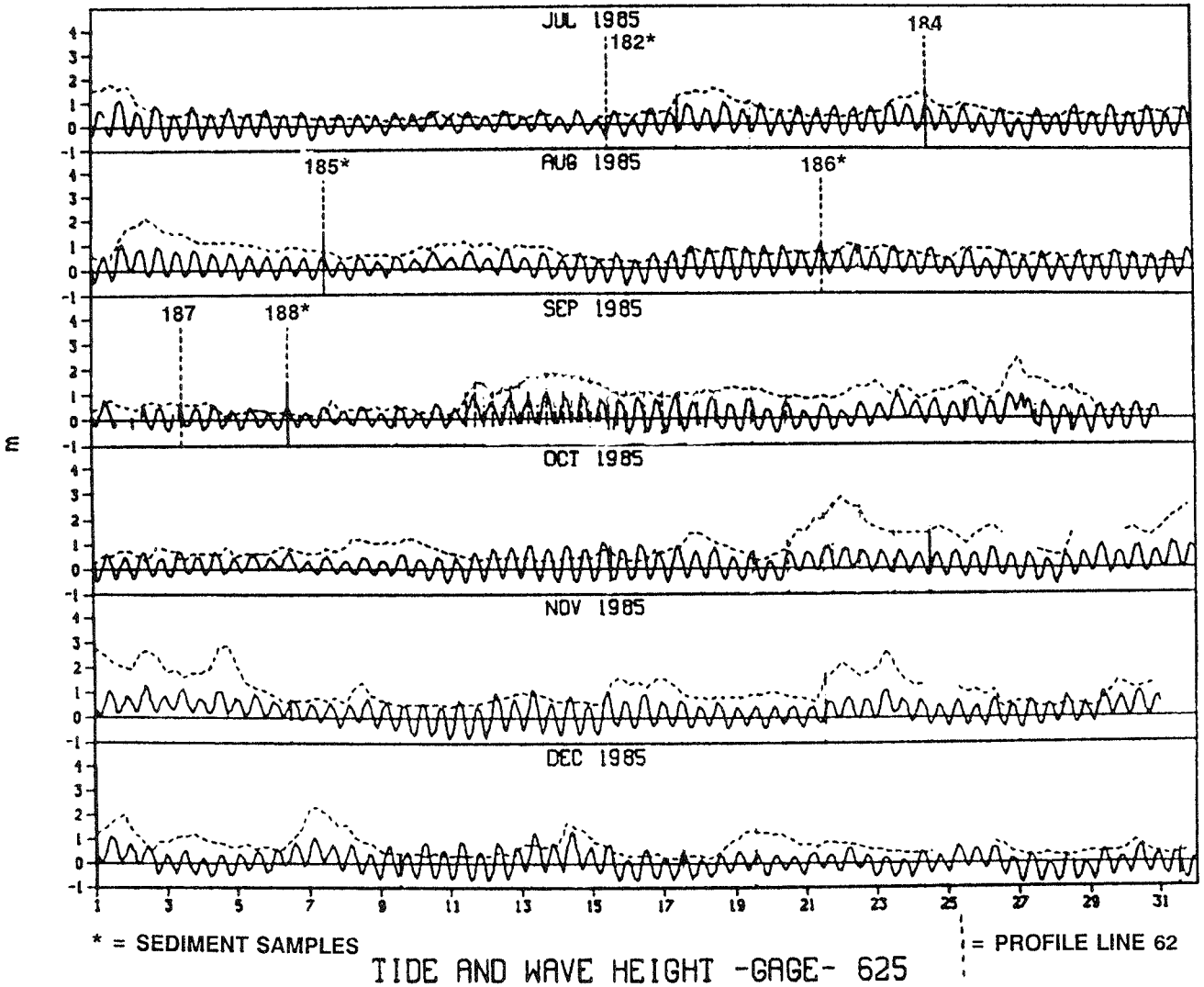
b. July through December 1984

Figure 6. (Sheet 2 of 4)



c. January through June 1985

Figure 6. (Sheet 3 of 4)



d. July through December 1985

Figure 6. (Sheet 4 of 4)

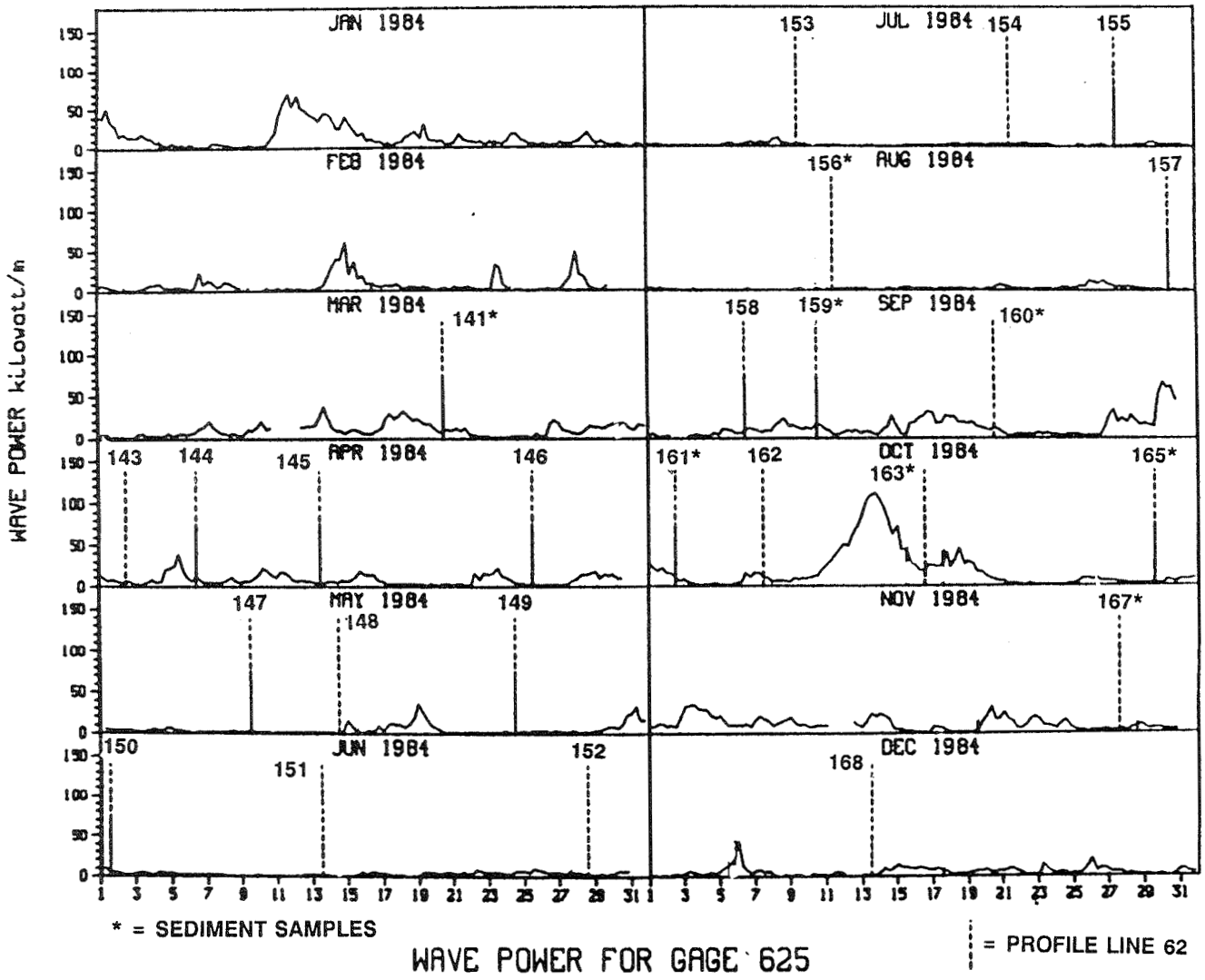


Figure 7. Time line of calculated wave power for Gage 625 with profile survey and sediment collection times (Continued)

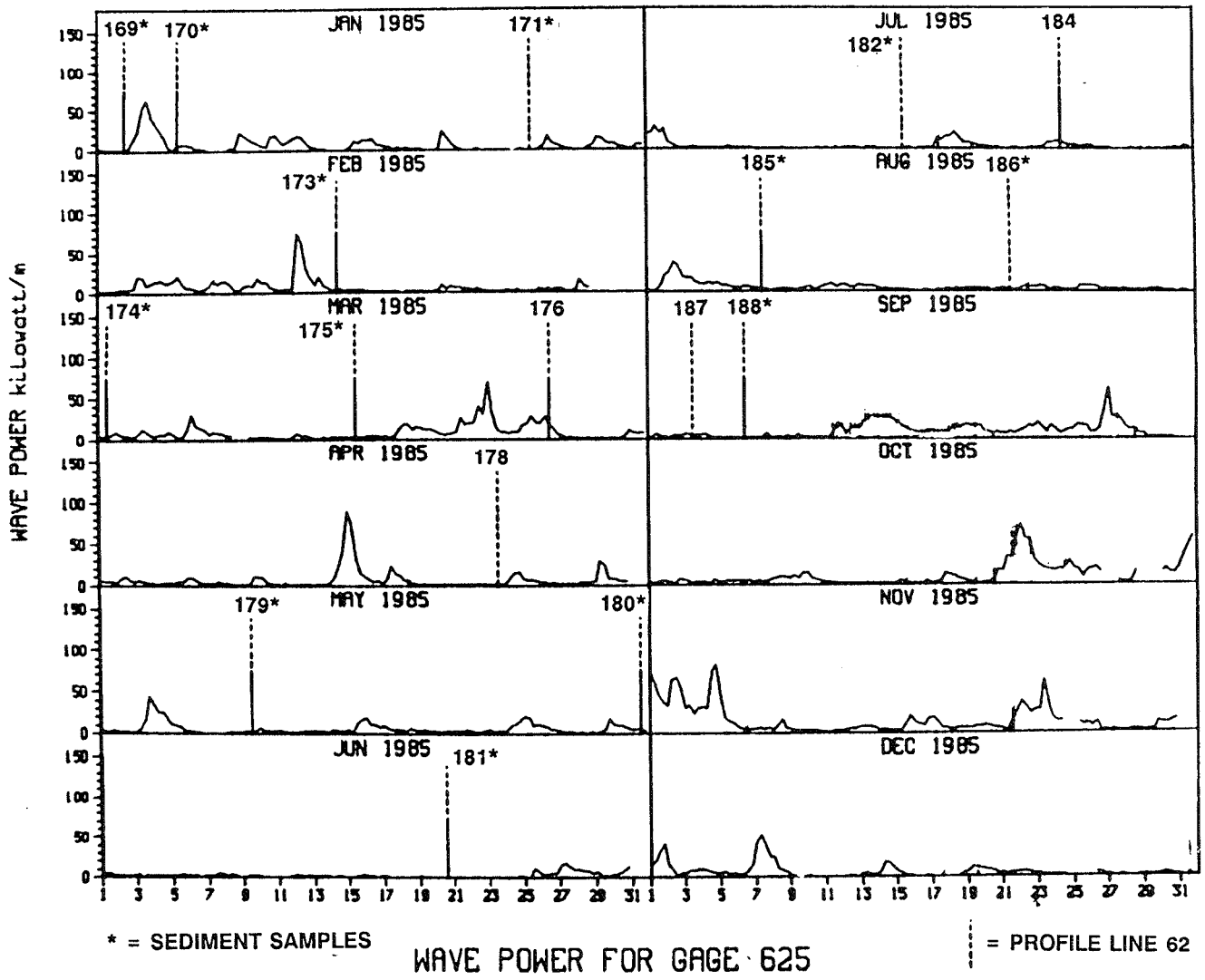


Figure 7. (Concluded)

height and period data collected at Gage 625.* The six dates when the wave power was greater than 50 kW/m, chosen to identify extreme events likely to cause profile and sediment changes, are listed in Table 3, along with 10 additional dates when wave heights were greater than 2 m.

Table 3

Dates of High Wave Height and Wave Power

Wave Height Greater Than 2 m	Wave Power Greater Than 50 kW/m
5 Apr 1984	
31 May 1984	
17 Sep 1984	
27 Sep 1985	
29-31 Sep 1984	30-31 Sep 1984
11-18 Oct 1984	11-15 Oct 1984
3 Nov 1984	
20 Nov 1984	
6 Dec 1984	
3-4 Jan 1985	3 Jan 1985
12 Feb 1985	12-13 Feb 1985
22-23 Mar 1985	22-23 Mar 1985
14-15 Apr 1985	14-15 Apr 1985
29 Apr 1985	
4 May 1985	
2 Aug 1985	

* Personal Communication, William A. Birkemeier, Chief, FRF, Duck, NC.

PART V: RESULTS

22. Coastal processes are constantly at work modifying the beach profile and the sediment distribution across the profile with each wave. Daily changes during fair weather waves are small. Storm-induced changes can, however, be significant and can occur over the period of one to five tidal cycles. The longer term changes in the profile shape and sediment distribution are a function of the frequency of storm-induced changes. The cyclic variation in this storm frequency leads to a general seasonal cycle of erosion typical to the winter months due to increased extratropical storm occurrence. Accretion is more likely in the more quiescent summer months, barring tropical storm impacts. The key forcing functions are the frequency and duration of storm activity. The present study covers a period of 17.8 months, from March to September, which spans this seasonal time frame. Several storm events were also bracketed with surveys and samples. This unique data set allows for analysis of long-term changes in the profile and sediment distribution under varying wave conditions.

Profile Changes

23. A general description of long-term profile changes that occurred at the FRF are described from 1981 to 1984 in Birkemeier (1985). This present study extends that data set into 1985. The general morphology of the beach at the FRF includes the dune, initially bulldozed by man and now under the influence of eolian transport; the berm, or dry beach, under the influence of wave transport only during high-water conditions; the foreshore or intertidal area, changed daily by the uprush and backwash during each tidal cycle; the bar/trough region where the wave breaks and reforms into a bore in the surf zone; and the nearshore area seaward of the bar and breaker zone.

24. The profile at the FRF is most active during storms and is characterized by an dynamic bar/trough movement zone. The inner bar, located at a depth of -0.6 to -1.5 m (Birkemeier 1985), moves offshore in response to the storm waves. During fair weather periods, the bar migrates back onshore. The berm and foreshore change along with the bar movement, typically eroding as the bar moves offshore and accreting as the bar moves onshore.

25. Seaward of the 450-m distance from the baseline and -4.5-m depth, to the seaward limit of the profile (see Table 3), the profile elevations were essentially the same throughout the study (Figure 5b). Howd and Birkemeier (1987) found that over the longer 1982 to 1984 period, the vertical change was minimal seaward of the -7-m depth, which occurred about 700 m seaward from the baseline. During this shorter study period, which experienced minimal high wave energy events, the area of minimal elevation change moved inshore.

26. For the study period, the volumes and areas of erosion and accretion were plotted between each profile. Appendix A contains the profile pairs showing the pattern of erosion and accretion. The nearshore bar was quite active, moving in response to the wave climate. A prospective view of Profile Line 62 is shown in Figure 8. From the beginning of the study in March 1984 to September 1984, the bar migrated inshore. The movement of the bar to its farthermost offshore position was in response to a storm from 11 to 15 October 1984. Another storm on 3 to 5 January 1985 also caused the bar to retreat seaward. From March 1985 to the end of the study, the bar position was relatively stable, fluctuating between 150 and 200 m seaward of the baseline and finally moving inshore at the end of the summer months of 1985.

27. Calculations of cumulative volume changes between profiles from the ISRP program (Birkemeier 1984) for the beach above and below NGVD are shown in Figure 9a. The above NGVD volumes represent the changes on the berm and the foreshore area, from 65 m seaward of the baseline (base of dune) to the 0 crossing position. The bar/trough and nearshore area, from the 0 crossing out to 650 m seaward of the baseline (shortest profile in the data set), are included in the below NGVD changes. The net change in cumulative volume across the entire profile, from the base of the dune at 65 m out to the shortest profile at 650 m, is shown on Figure 9b. The general trend in cumulative change is of a net accretion of volume on all locations across the profile during the study. During the spring of 1984, the above NGVD portion of the profile showed a net loss of sand volume, whereas the below NGVD area gained volume. After the large storm in October 1984, the trend was toward accretion on both the beach and nearshore regions. This cumulative volume change can only be interpreted in cross-shore changes, while in reality, volume changes are a result of alongshore movements of sediment also. A net gain of 41 m^3/m was measured over this 17.8 month study as the berm received sand. The nearshore bar region also showed a net gain of 77 m^3/m. The total net profile

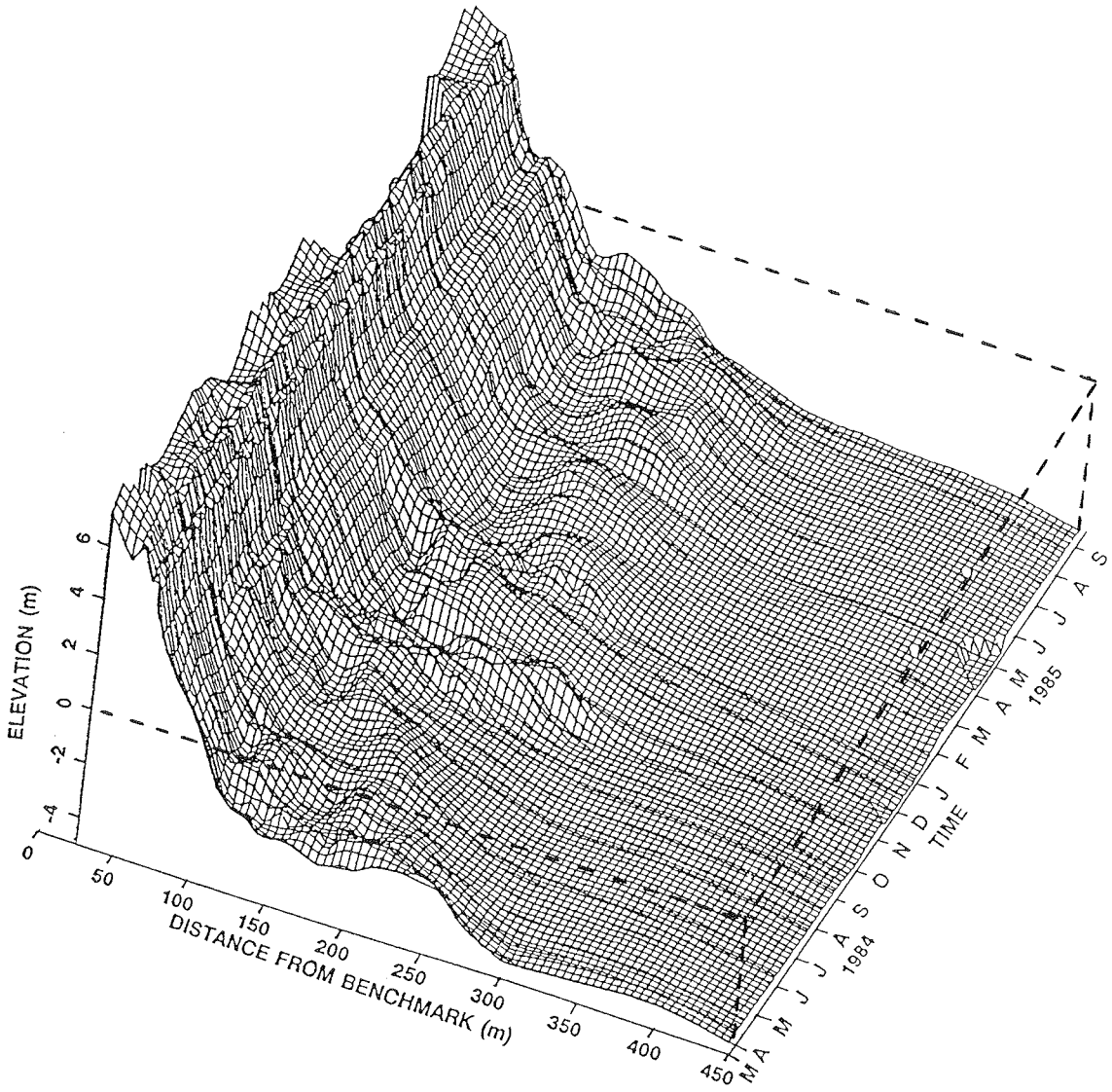
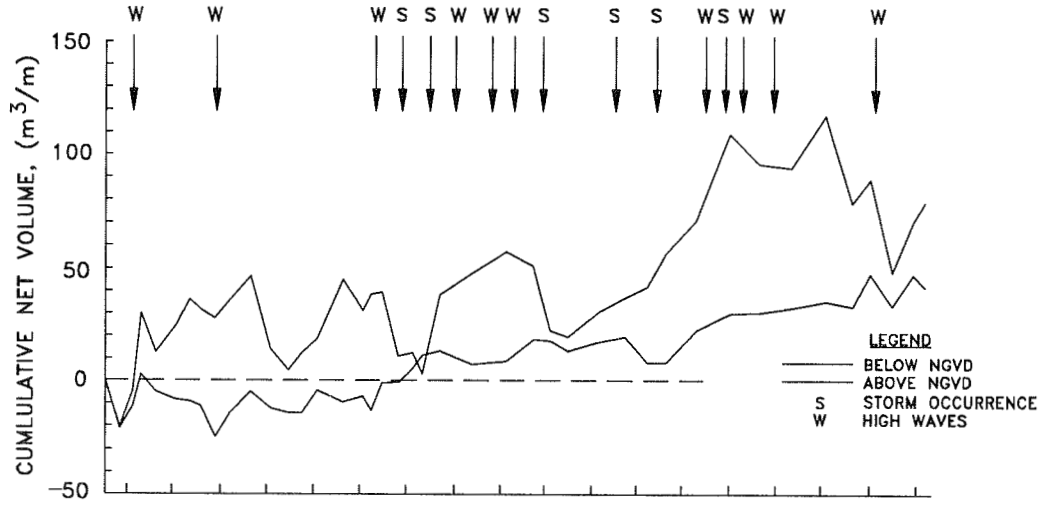
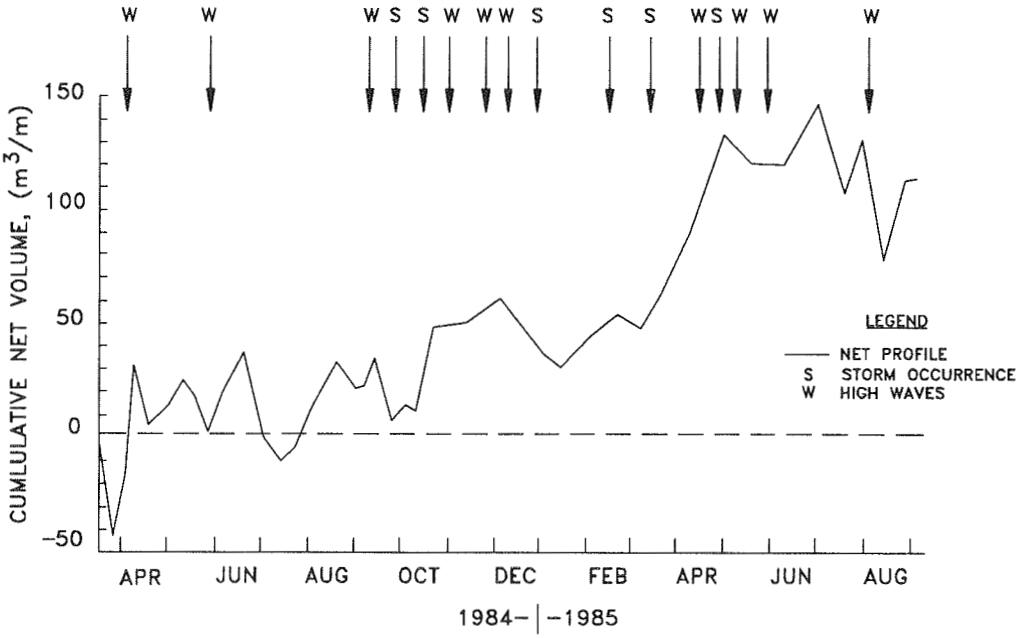


Figure 8. Prospective view of Profile 62 morphology changes through the study period



a. Above and below NGVD change



b. Net profile change, with major high wave events

Figure 9. Cumulative volume changes on Profile Line 62

accretion over the study period was 118 m^3/m. Table 4 summarized the above NGVD, below NGVD, and total profile volume changes between profiles. This net accretional trend may have been a result of longshore transport of sand into the FRF coastal area. The migration of sand waves has been identified along the Outer Banks coast (Dolan 1971), and the relationship of the beach with rhythmic crescentic bars has been noted (see Komar 1976 and Davis 1985 for further discussion). This sand wave/crescentic bar migration process is a three-dimensional process and is beyond the scope of the present two-dimensional data set.

28. High wave events (waves greater than 2 m) and storm events (wave power greater than 50 kW/m) have been plotted on Figure 9 to show the rough correlation of high wave events with net erosion of the profile. However, net accretion was also measured under some high wave events. Because of the irregular spacing of the profile collection, most high wave events were not closely bracketed, and some recovery was possible before the next profile.

29. The nearshore bar should be a good indicator of the response of the profile to wave events. Figure 10 shows the correlation of the time series of wave power and wave steepness with bar crest position measured on the profile seaward of the baseline. The berm crest position indicates the accretion and erosion on the visible portion of the profile and is plotted, although there is less dramatic changes than the inner bar. The trend is for erosion of the berm to correspond to accretion in the nearshore, with seaward movement of the inner bar crest. As the berm moves seaward during accretion, the bar moves inshore.

30. A correlation can be seen in Figure 10 between the movement of the bar and berm and the wave parameters of wave power and to a lesser extent wave steepness. The wave power is defined as:

$$P_o = n_o E_o C_o$$

where

n_o = 1/2 for deep water

E_o = deepwater wave energy given as $1/8\ \rho g\ H_o^2$

C_o = deepwater wave celerity given as $gT/2\pi$

Table 4

Volume Changes Between Profiles

Profile Dates	Above NGVD Change, m^3/m	Below NGVD Change, m^3/m	Total Profile Change, m^3/m
		1984	
03/20-04/02	-21.25	19.92	-41.16
04/02-04/06	10.54	15.18	25.72
04/06-04/13	13.32	35.13	48.45
04/13-04/25	- 8.09	-17.27	-25.36
04/25-05/09	- 2.54	10.71	8.17
05/09-05/14	- 0.96	12.54	11.60
05/14-05/24	- 2.19	- 5.35	- 7.54
05/24-06/01	-12.74	- 2.62	-15.36
06/01-06/13	9.91	7.12	17.04
06/13-06/28	11.43	7.20	18.63
06/28-07/09	- 9.44	-28.48	-37.92
07/09-07/21	- 1.94	- 8.79	-10.73
07/21-07/27	0.28	6.32	6.60
07/27-08/11	9.60	7.29	16.89
08/11-08/30	- 4.78	25.47	20.69
08/30-09/06	2.04	-13.77	-11.72
09/06-09/10	- 5.76	6.95	1.18
09/10-09/20	11.10	0.88	11.98
09/20-10/02	0.88	-27.93	-27.05
10/02-10/07	6.00	1.29	7.29
10/07-10/16	5.20	- 8.63	- 3.42
10/16-10/29	2.66	34.41	37.07
10/29-11/27	- 6.43	8.85	2.42
11/27-12/13	1.06	8.65	9.71
		1985	
12/13-01/02	10.55	- 5.70	4.86
01/02-01/05	- 1.31	-27.52	-28.83
01/05-01/25	- 4.10	- 3.06	- 7.17
01/25-02/14	3.77	11.21	14.98
02/14-03/01	2.38	6.19	8.57
03/01-03/15	-10.77	5.31	- 5.46
03/15-03/26	- 0.15	13.85	13.70
03/26-04/23	14.09	14.05	28.14
04/23-05/09	6.95	38.39	45.34
05/09-05/31	0.91	-12.88	-11.97
05/31-06/20	1.45	- 2.40	- 0.95
06/20-07/15	2.96	23.76	26.72
07/15-07/24	- 1.18	-38.13	-39.30
07/24-08/07	13.16	9.74	22.91
08/07-07/21	-13.50	-40.50	-53.99
07/21-09/03	13.61	22.78	36.38
09/03-09/06	- 5.61	6.79	1.19

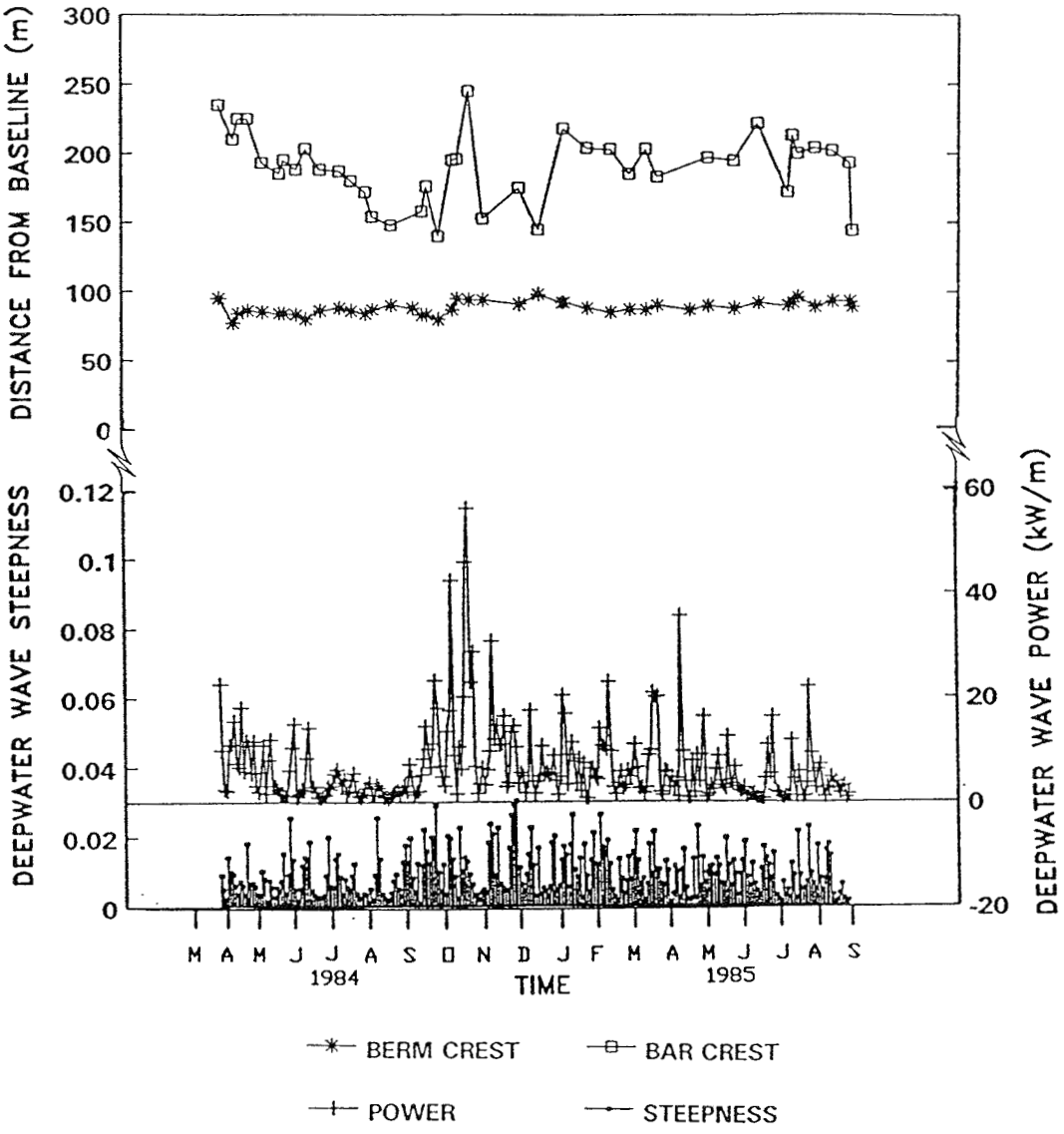


Figure 10. Time series of deepwater wave power and wave steepness compared with bar crest and berm crest position

Wave steepness is defined as:

$$H_o/L_o$$

where deepwater wave height was calculated from wave heights recorded at the gage and the deepwater wavelength was calculated using $L_o = g\ T^2/2\pi$. The wave steepness did not directly correlate with the measured profile changes. A closer relationship occurred with the wave power and bar and berm crest positions. The wave power increased during high wave events and corresponded to offshore movement in the inner bar crest. With periods of lower wave power, the bar migrated onshore.

Sediment Grain-Size Distributions

31. Surface sediment samples were collected at 17 stations across the profile. These stations covered all the beach environments from the dune to the nearshore shelf. Figure 11 shows the divisions of these stations into morphologic groups. Stations 1 and 2 (the dune group) were located on the top of the frontal dune, and sediment distribution was dominated by the man-made nature of the dune and eolian transport, since they were well out of reach of wave action. Sample Stations 3 (dune base), 4 (upper berm), 5 (berm crest), and 6 (foreshore) comprised the subaerial beach group. Sediment distribution along this portion of the profile was controlled by some eolian transport at the dune base and berm and swash uprush and backwash on the foreshore, which expanded in areal extent during storm events. With the active movement in the inner bar and trough, samples collected at Stations 7 through 10 were alternately located somewhere in the trough to somewhere on the bar feature (i.e. front face, crest, and back face) depending on the profile shape on any given sampling day and were collectively the bar/trough group. Sediment grain-size distribution was controlled by breaking waves on the bar and surf zone generated currents in the trough. The remaining stations comprised the nearshore group, with Station 11 alternately in the second shallow trough to the beginning of the flatter sloping nearshore, depending on profile shape. Stations 12 through 17 were spaced out across the planar nearshore slope of the profile with very little variation in the elevation from one sampling period to the next. The dynamics of sediment deposition in this area was a

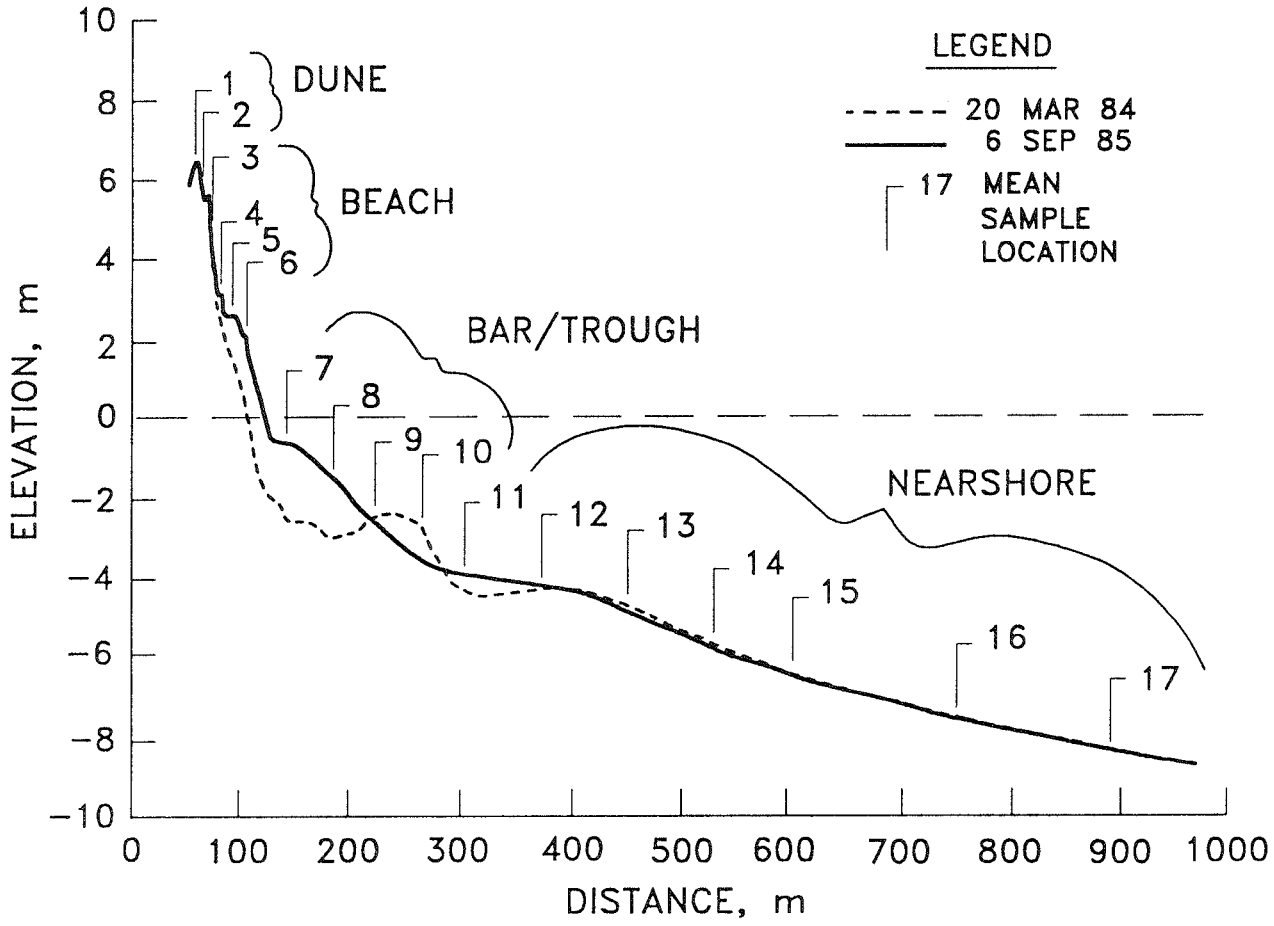


Figure 11. Sediment sample grouping across the profile with the components of the four composite samples

function of the transformation of waves from transitional to shallow water as they passed over this region on their way to the beach.

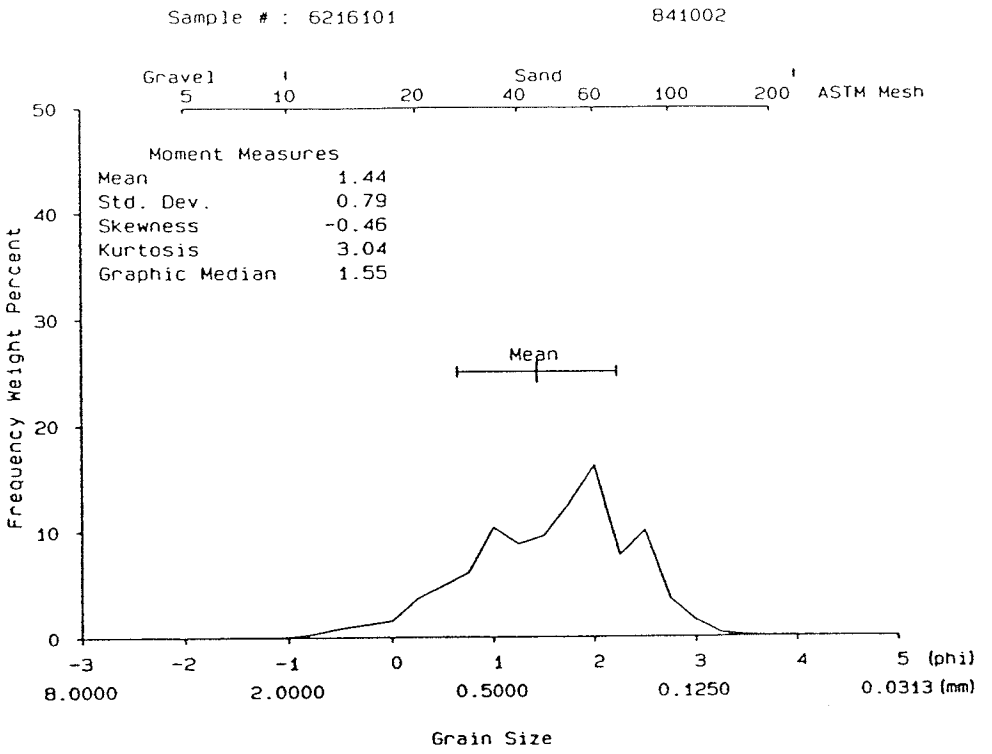
Dune group

32. There is a wide variation in the grain-size distributions of each of the four groups of sediment across the profile, related to the different forcing functions responsible for controlling deposition in each region of the profile and the available mineralogy. Figure 12 shows an example of the dune group grain-size distributions from Station 1 on the top of the dune and Station 2 on the front face of the dune. This dune is characterized by a relatively coarse sediment, probably because the dune was bulldozed from surrounding coarse beach sands in the 1930's. The frequency curve of Station 1 has a trimodal distribution, while Station 2 has a bimodal one, indicating the possibility of multiple sources for the dune components. Wind-induced sediment transport is active in daily deposition within the dune area and controls deposition of the finer sand sizes, while the coarser material is probably a lag deposit.

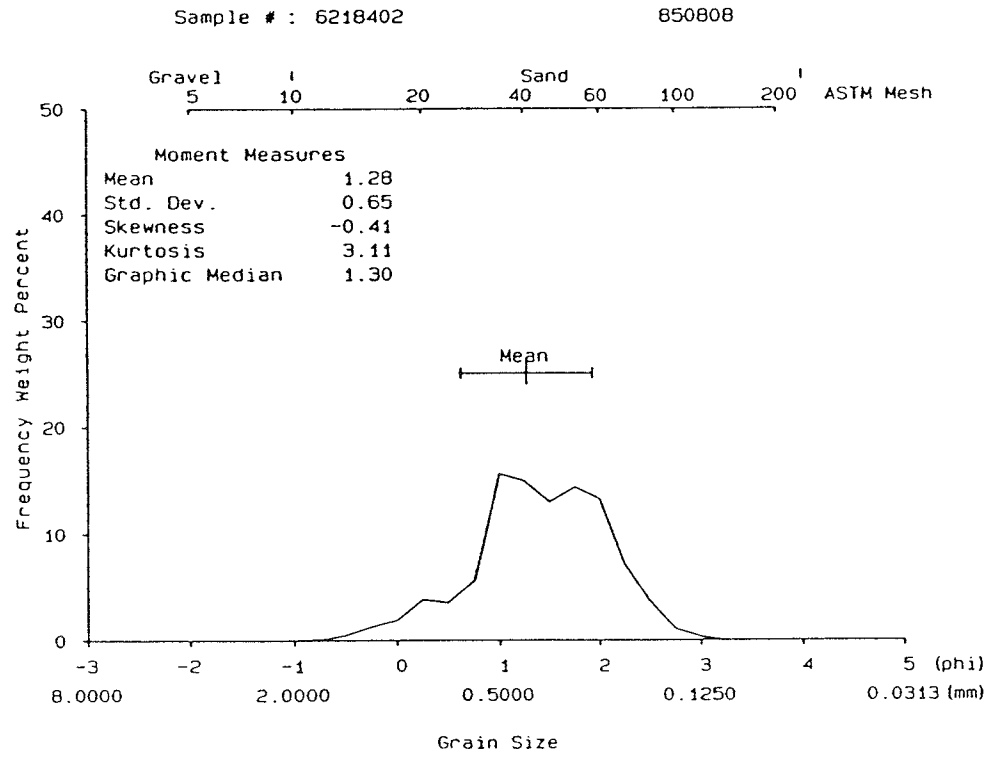
33. In order to investigate the temporal and spatial distribution in the sediment in this study, plots of individual mean grain size were compared with sample sorting. Figure 13 shows the mean versus sorting plot for all the sediment samples collected at Stations 1 and 2. They are both tightly clumped, indicating little variation through time in sediment characteristics. These samples were, for the most part, unaffected by temporal changes in coastal processes, except for wind transport. The one outlying data point on each graph is from the first sampling on 20 March 1984, which contained shell material, making that date's sample more poorly sorted and coarser than the rest.

Beach group

34. The grain-size distribution was the most varied in space and time within this group. Figure 14 shows a somewhat general example of the frequency curves at Stations 3 through 6. Because the environment of deposition changed from eolian transport to swash transport daily as the profile changed in elevation, the beach group sediment grain-size distributions reflected this change. Most of these distributions showed a bimodal distribution, with the main component centering around 0.25 mm (2 ϕ) and the secondary component centering around 1.0 mm (0 ϕ).

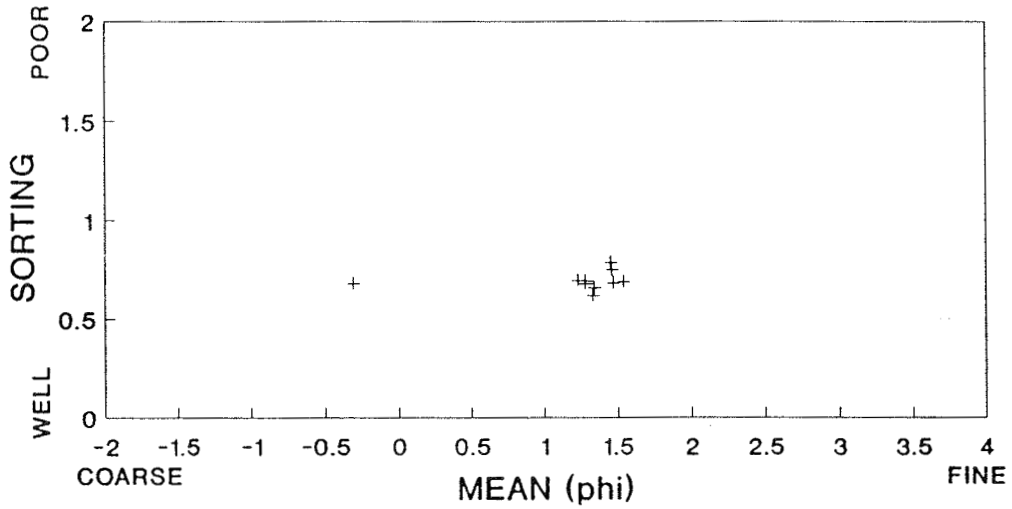


a. Station 1

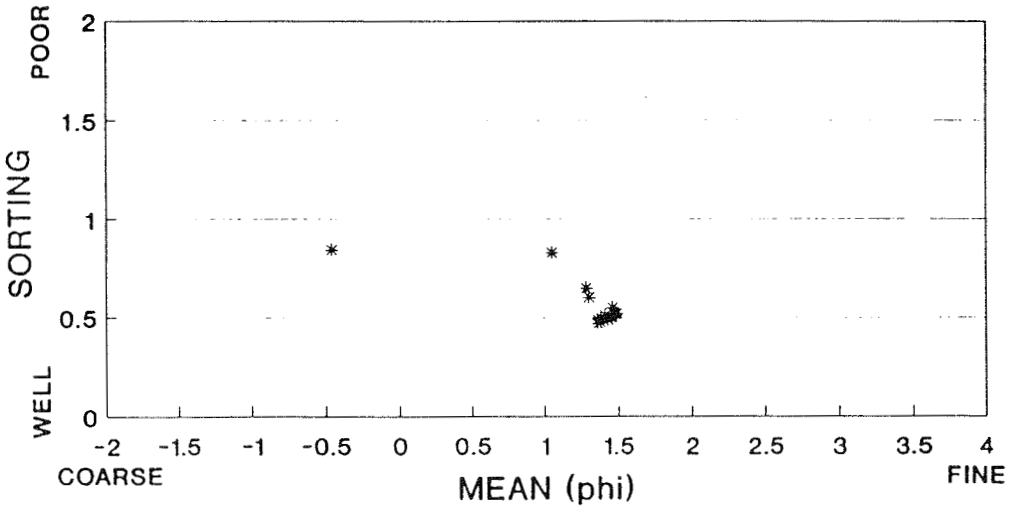


b. Station 2

Figure 12. Example of frequency curves of sediment samples located on the dune at Stations 1 and 2

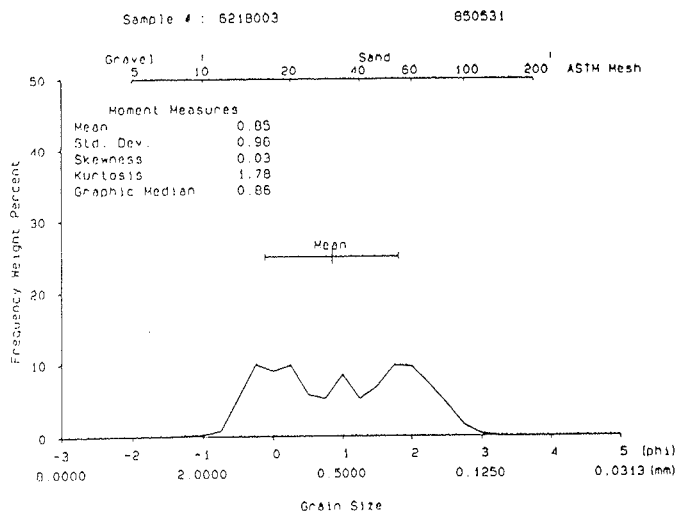


a. Station 1 (+)

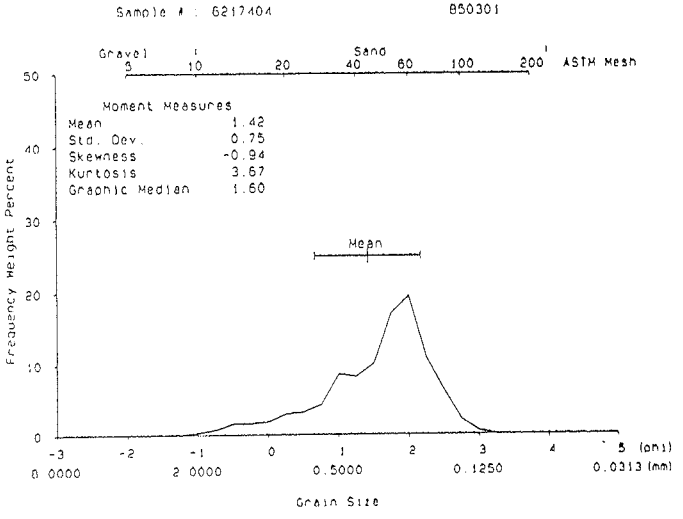


b. Station 2 (*)

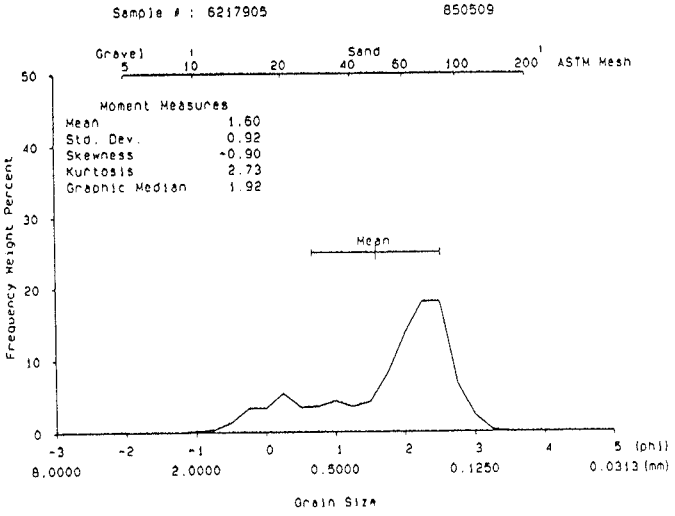
Figure 13. Plots of mean grain size versus sorting for all samples from Stations 1 and 2 located in the dune



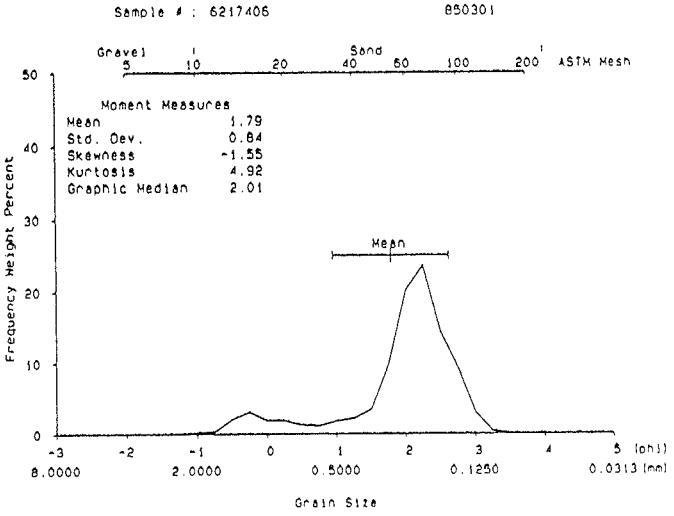
a. Station 3



b. Station 4



c. Station 5



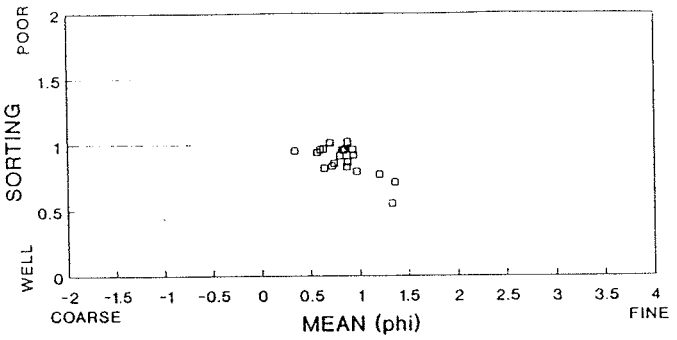
d. Station 6

Figure 14. Example of frequency curves of sediment samples located on the beach at Stations 3, 4, 5, and 6

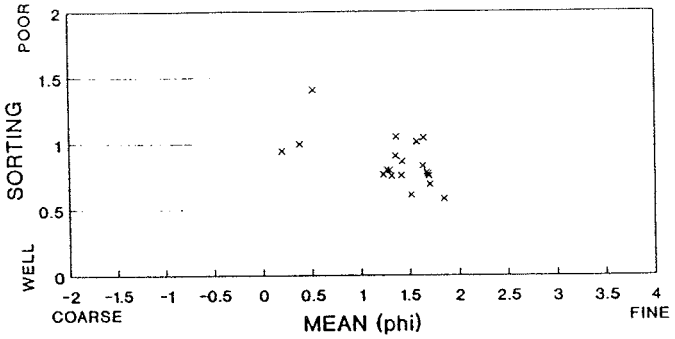
35. Station 3 at the base of the dune was unusually coarse and poorly sorted, indicating that a coarse lag component was mixed with storm wave deposits at extreme high-water levels and finer wind-transported material during fair weather. The berm samples (Stations 4 and 5) exhibited the bimodal distribution with the secondary mode centered around 1.0 mm (0 ϕ) becoming more dominant on sampling days after storms had deposited sediment on the berm through swash processes.

36. Station 6 was the only sampling station in the intertidal area between mean high water (MHW) and mean low water (MLW). Bascom (1959) suggested that if only one sample could be collected to represent the grain size of a beach, the best position to use as a reference sampling site was the midtide area. Samples collected at MHW, midtide, and MLW were found to best characterize the beach for sand suitability determination for beach fills (Stauble, Hansen, and Blake 1985). During the study, Station 6 sediment samples were collected somewhat randomly throughout the intertidal area and made it difficult to characterize this important zone. The samples had a widest variation in sediment distribution through time with the largest temporal variation in mean grain size. At times, the main component of this commonly bimodal distribution centered around the gravel range of 11.3 to 5.66 mm (-3.5 to -2.5 ϕ) and was composed of predominantly iron-stained quartz sands and rock fragments. Most of the times the coarse distribution occurred was after storm events, except on 15 July 1985 during a low wave energy period, when Station 6 also contained this coarse distribution. A possible explanation could be that the sampling that particular day was on a cusp, which can accumulate coarse material on its horn. The other sampling days had distributions similar to that shown in Figure 14.

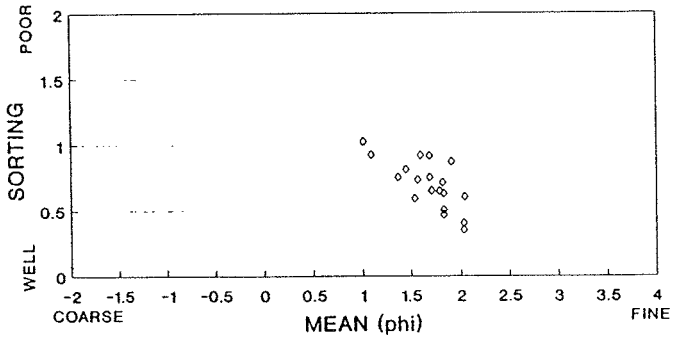
37. The larger variation in grain-size distributions of the beach group can be seen on Figure 15, where the mean grain size for each individual sample is plotted against the sorting. A general trend is a fining of mean grain sizes as one moves from the dune base to the foreshore with a better sorting. The coarse and more poorly sorted samples at Stations 4 and 6 deposited after storm events can be seen to the left of the tightly grouped data points at each station. The sediment deposition is under the influence of uprush and backwash processes in this region of the profile. A common trend shown at all stations is that the finer means have a better sorting, whereas the coarser samples have a wider range of poorer sorting values.



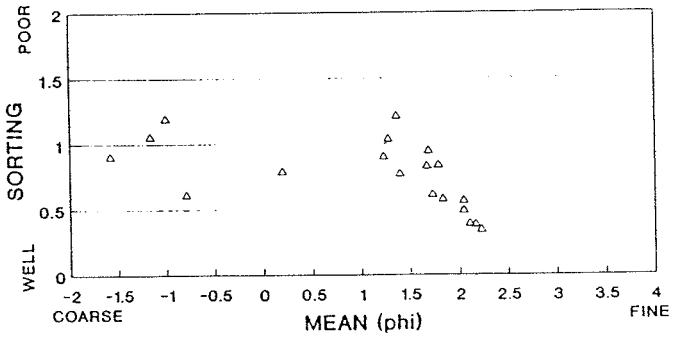
a. Station 3 (□)



b. Station 4 (×)



c. Station 5 (◊)



d. Station 6 (▲)

Figure 15. Plots of mean grain size versus sorting for all samples in the beach group

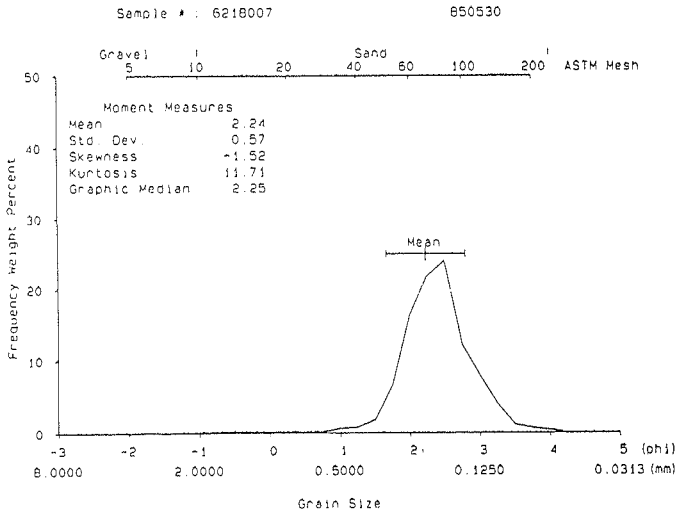
Bar/trough group

38. The sediments deposited in the bar/trough region was more unimodal. All of these samples were located below NGVD and were submerged even at low tide. Figure 16 shows examples of the bar/trough group grain-size distributions. Station 7 was located within the trough area and fluctuated between the landward continuation of the foreshore and the base of the trough. If only a minimal bar was present as occurred 6 times during the study (Table 1), Station 7 was located in the vicinity of the step. Station 8 was located between the trough and the bar crest. This position basically covered the bar front area. Station 9 samples were collected, for the most part, over the bar crest region, extending from the landward bar front to the seaward bar back slope. Station 10 samples were mostly extending from the bar crest across the seaward bar back slope. The wide range in environments of deposition is due to the active bar and trough lateral movement. The grain-size distributions across this group, however, did not vary widely throughout the study. The greatest variability was seen in Station 7 with the coarsest distributions occurring when the samples were collected on the step or lower portion of the continuation of the foreshore slope. The wave environment in this configuration was the plunge point for the shore break and was an area of high turbulence, supporting only deposition of relatively coarse material.

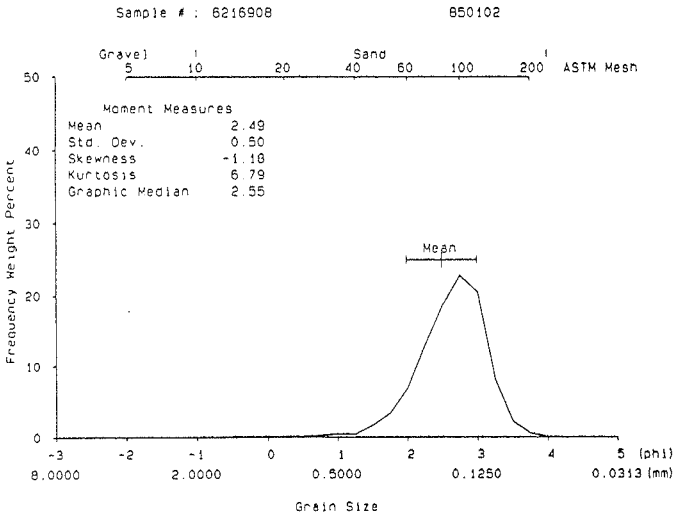
39. The wider distribution of means and sorting values for Station 7 can be seen in Figure 17. A more closely spaced distribution for all the samples can be seen for the other stations in the bar/trough group. The shift to finer mean grain size in the seaward direction can be seen ranging from around 0.190 mm (2.4 ϕ) at Station 7 to 0.165 mm (2.6 ϕ) at Station 10. A general trend of finer means which correlates to better sorting similar to the beach group can be observed, but the bar/trough sediments have less of a data spread. The environment of deposition in this group ranges from under the breakers over the bar crest to the plunge point under the shore break. This area is influenced by cross-shore and alongshore induced currents in the trough.

Nearshore group

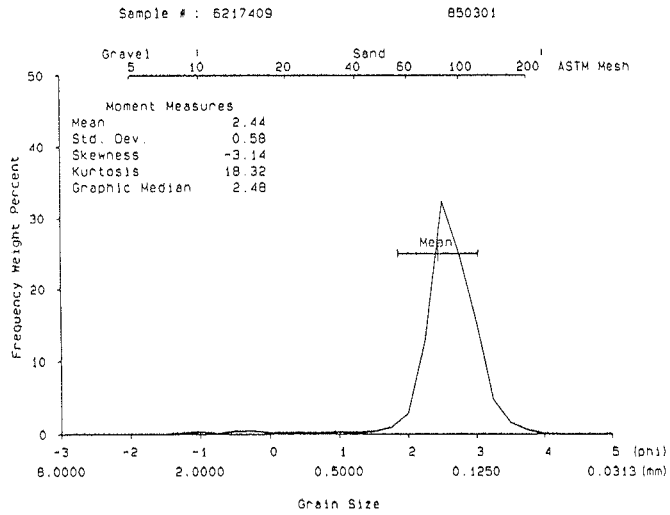
40. Seaward of the bar, the profile takes on the shape of a concave upwards slope. The low relief second bar located at a distance of 400 m from the baseline reported by Howd and Birkemeier (1987) was observed only during the beginning of the study period. Figure 18 gives individual grain-size



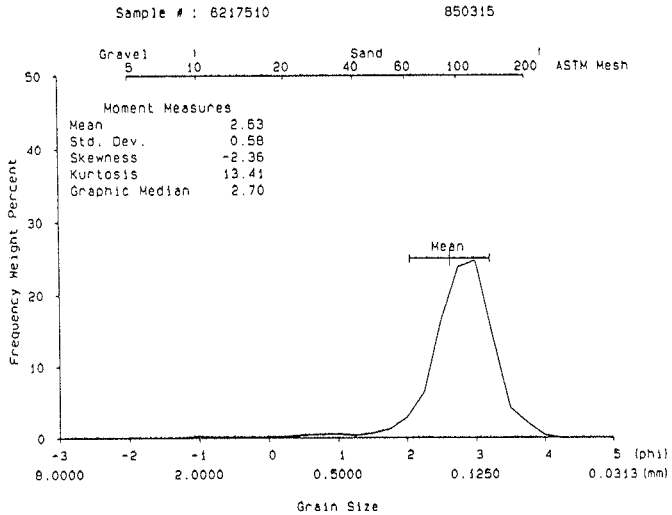
a. Station 7



b. Station 8

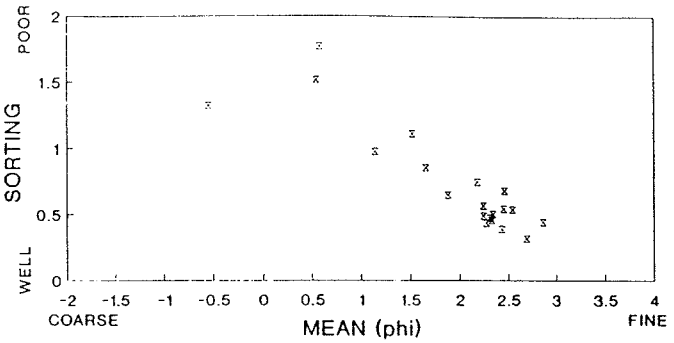


c. Station 9

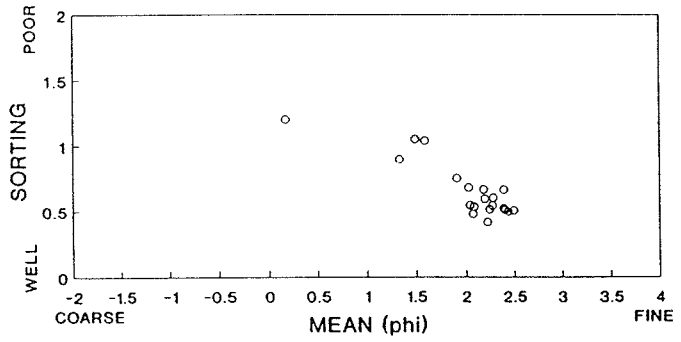


d. Station 10

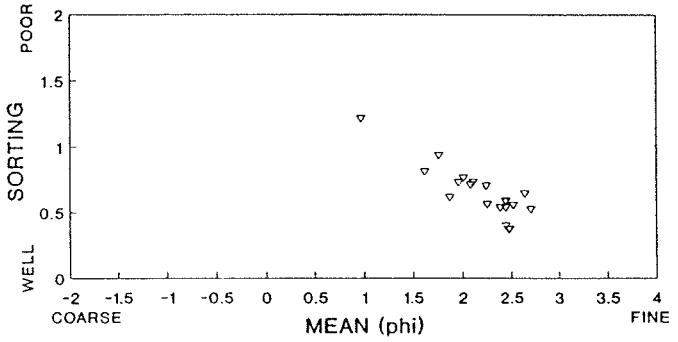
Figure 16. Example of frequency curves of sediment samples located in the bar/trough area at Stations 7, 8, 9, and 10



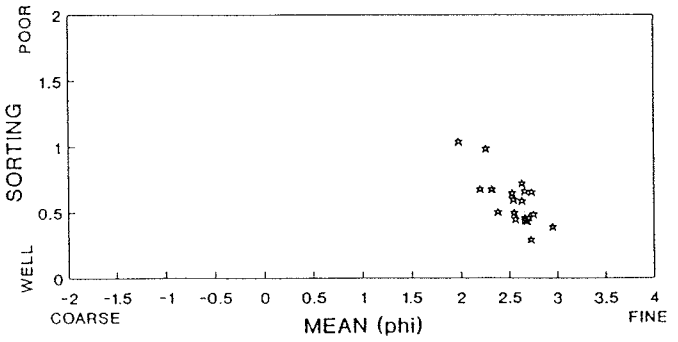
a. Station 7 (×)



b. Station 8 (○)

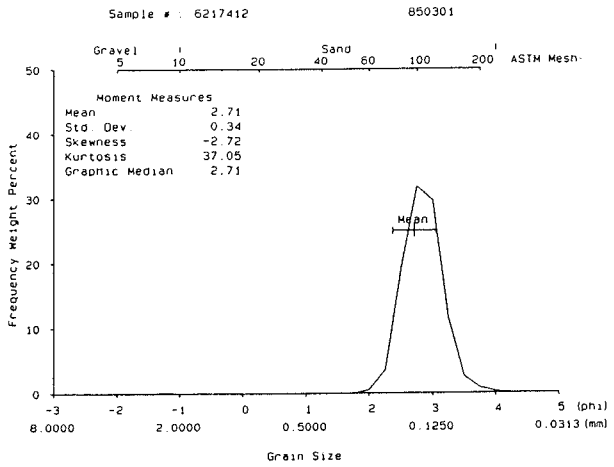


c. Station 9 (▽)

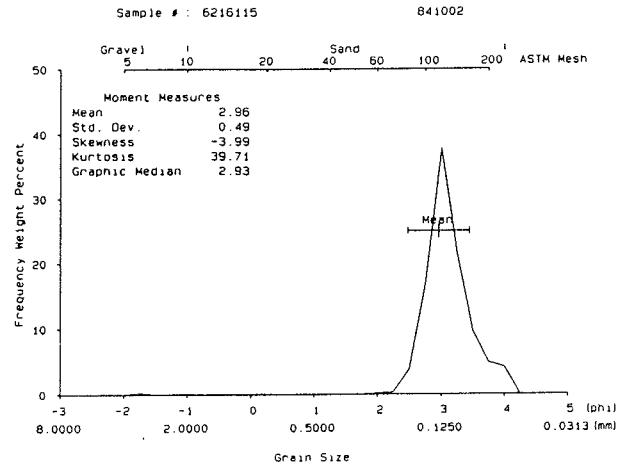


d. Station 10 (☆)

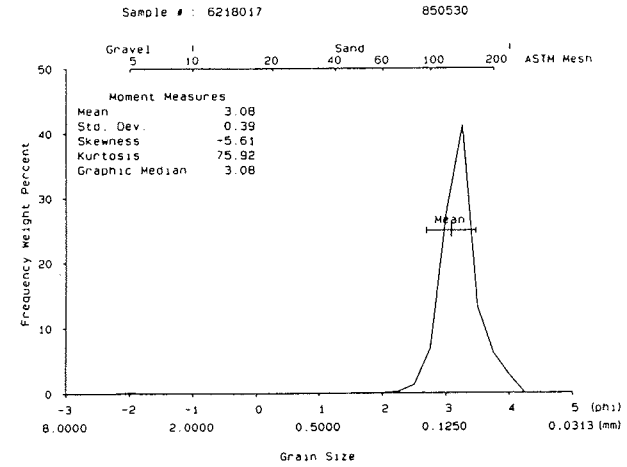
Figure 17. Plots of mean grain size versus sorting for all samples in the bar/trough group



a. Station 12



b. Station 15



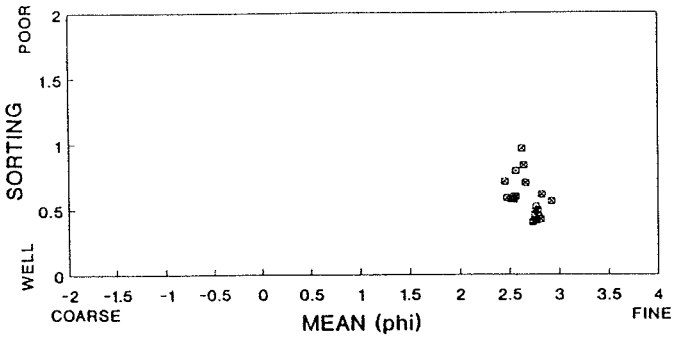
c. Station 17

Figure 18. Examples of frequency curves of sediment samples located in the near-shore group at Stations 12, 15, and 17

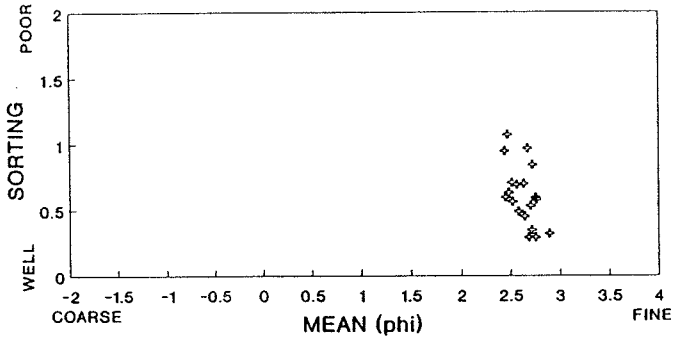
distribution examples from the nearshore group showing a well-sorted unimodal distribution prevalent at all stations from 11 to 17. This group had the least variability during the study period. Since all the distributions were similar, only examples from Stations 12, 15, and 17 are shown. Each station exhibited a small tail of fine-grained sand in the 0.074 mm (3.75 ϕ) range. The profile elevation below NGVD ranged from around -4 m at Station 11 to -8 m at Station 17. The grain-size data suggest that the environment of deposition was relatively uniform over the entire 16-month length of the study.

41. Figure 19 shows the distribution of mean grain size and sorting values from the nearshore group. There is very little variation in the tightly packed groupings when compared with the more active swash and wave breaker zone groups of the beach and bar/trough. A slight shift in means can be seen from around 0.165 mm (2.6 ϕ) at Station 11 to around 0.117 mm (3.1 ϕ) at Station 17. The sorting range decreases as one moves offshore into deeper water with samples being more well sorted. The data points with the "poorest" sorting and "coarsest" mean grain size were collected after storm events, indicating some active transport under extreme events. The variation in deposition and resulting grain-size distributions, however, decreases with increasing depth.

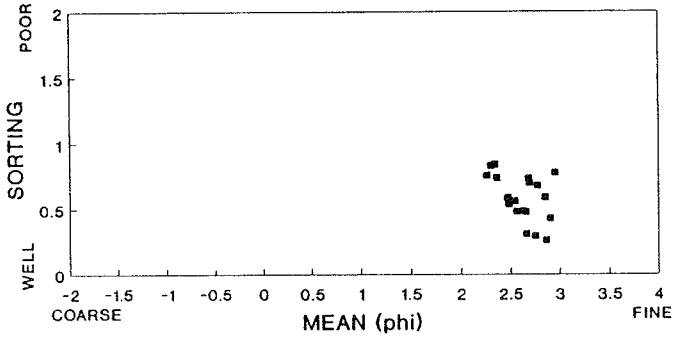
42. Combining the individual mean grain-size and sorting values into the four groups shows the relationship of the cross-shore change in sediment data (Figure 20). The coarser and more poorly sorted sediment distributions occurred during the winter months at the beginning of the study. The coarsest and most poorly sorted samples in all groups correspond to the first sampling day on 20 March 1984. This survey was taken after a series of high wave events when the bar was in one of its farthermost positions seaward of the baseline. Samples collected in October 1984 also exhibited coarse and more poorly sorted distributions after the largest waves that were measured during the study period. The widest spread in data was seen in the beach group. The next widest spread was in the bar/trough group. The tightest grouping was found in the dune and the nearshore groups. Each of these groups were in lower energy environments and thus showed less variation in grain-size distribution.



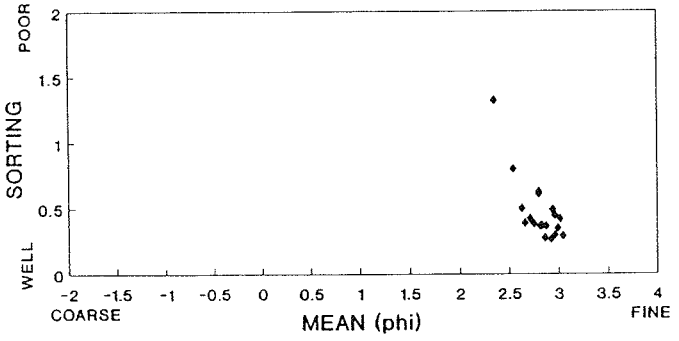
a. Station 11 (⊙)



b. Station 12 (◊)

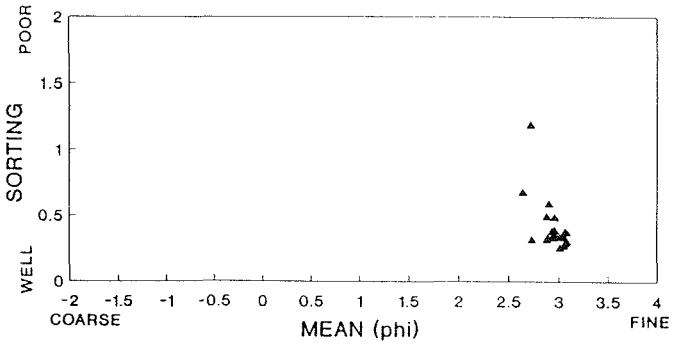


c. Station 13 (■)

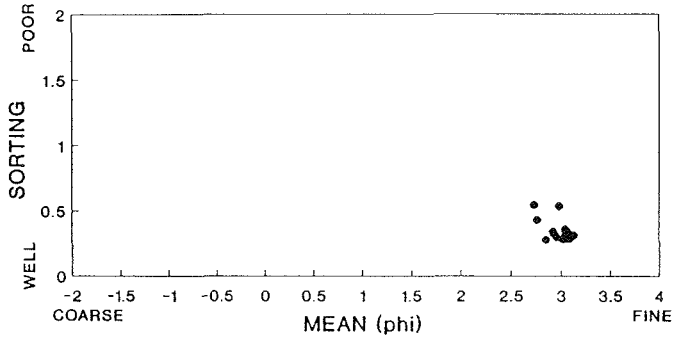


d. Station 14 (◆)

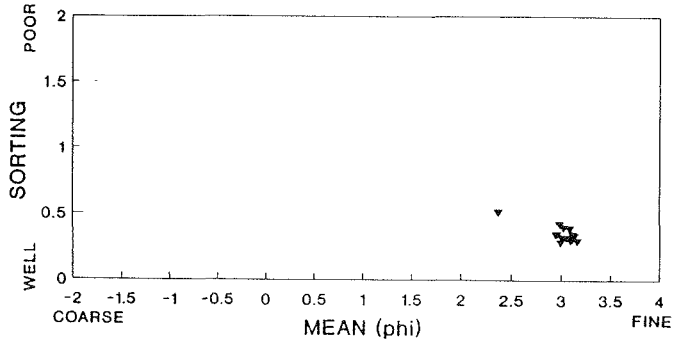
Figure 19. Plots of mean grain size versus sorting for all samples in the nearshore group (Continued)



e. Station 15 (▲)

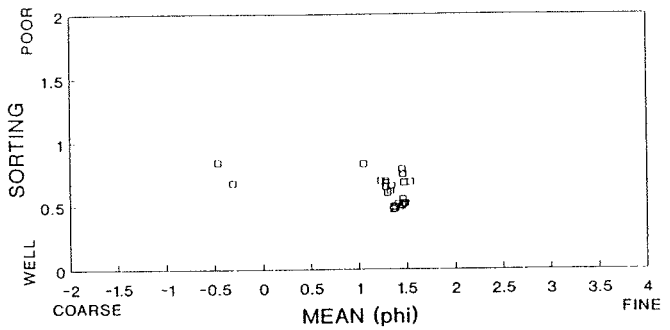


f. Station 16 (♦)

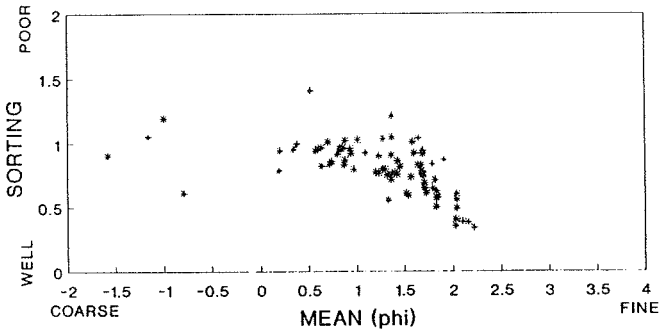


g. Station 17 (▼)

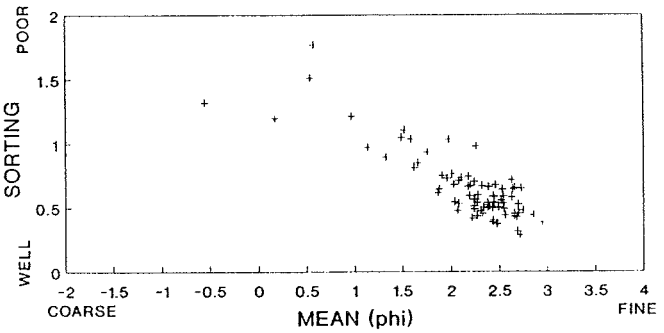
Figure 19. (Concluded)



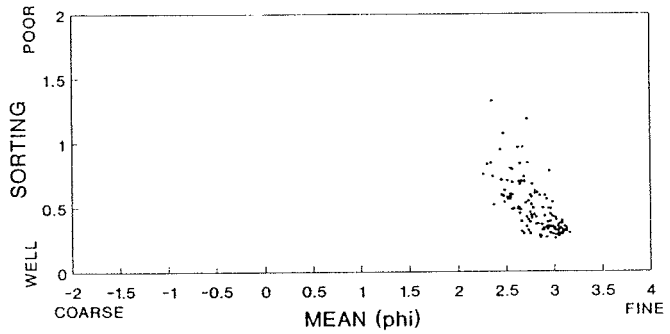
a. Dune (□)



b. Beach (*)



c. Bar/trough (+)



d. Nearshore (•)

Figure 20. Plots of mean grain size versus sorting of dune, beach, bar/ trough, and nearshore groups

Across profile
sediment distribution trend

43. To summarize, the spatial across-profile sediment grain-size distribution varies mainly due to the variation in sediment transport forcing functions and mechanisms. The dune group's principal distribution is related to the coarse lag deposit and bed load and saltation of fine sand sizes due to wind.

44. The beach group's high variation in grain-size distributions is related to the variation in wind transport on the dry beach and the swash transport processes on the foreshore. The swash transport contains the highly turbulent uprush, which transports sediment upslope on the foreshore in a series of modes, changing irregularly from one of suspension, to saltation, and finally bed load until the forward momentum is stopped by slope friction and gravity (Waddell 1976). As the bore reaches its maximum runup position, there is a period of decreasing upslope movement. The fluid comes to a momentary halt, depositing specific grain sizes caught in the upslope transport. The initiation of backwash begins with a rapid drop in water depth as the fluid accelerates back downslope (Stauble 1979). The backwash has different internal flow characteristics, with a reverse spectrum of sediment transport modes from bed load through saltation to suspension. The lower backwash obtains high velocities, but shallow depths limit transport capacity.

45. The bar/trough region is characterized by the breaker and surf zone, where sediment is suspended by the breakers over the bar crest and again at the lower foreshore step. The mechanisms of wave breaking and resulting profile modifications are discussed by Miller (1976). The surf zone between the bar and the shore transports sediment as the bore travels into shore and interacts with the swash zone (Brenninkmeyer 1976).

46. A comparison of the temporal and spatial changes in cross-shore sediment distribution for a winter higher wave period is shown in Figure 21. Sediment grain-size distributions across a well-developed inner bar profile during 2 October 1984 demonstrate the coarse sediment component found in the beach and bar/trough groups. A representative profile from the accretionary period toward the end of the study is shown in Figure 22. Sediment grain-size distributions across a shallow inner bar profile collected during 21 August 1985 show an overall decrease in coarse sediment on the profile and the shift

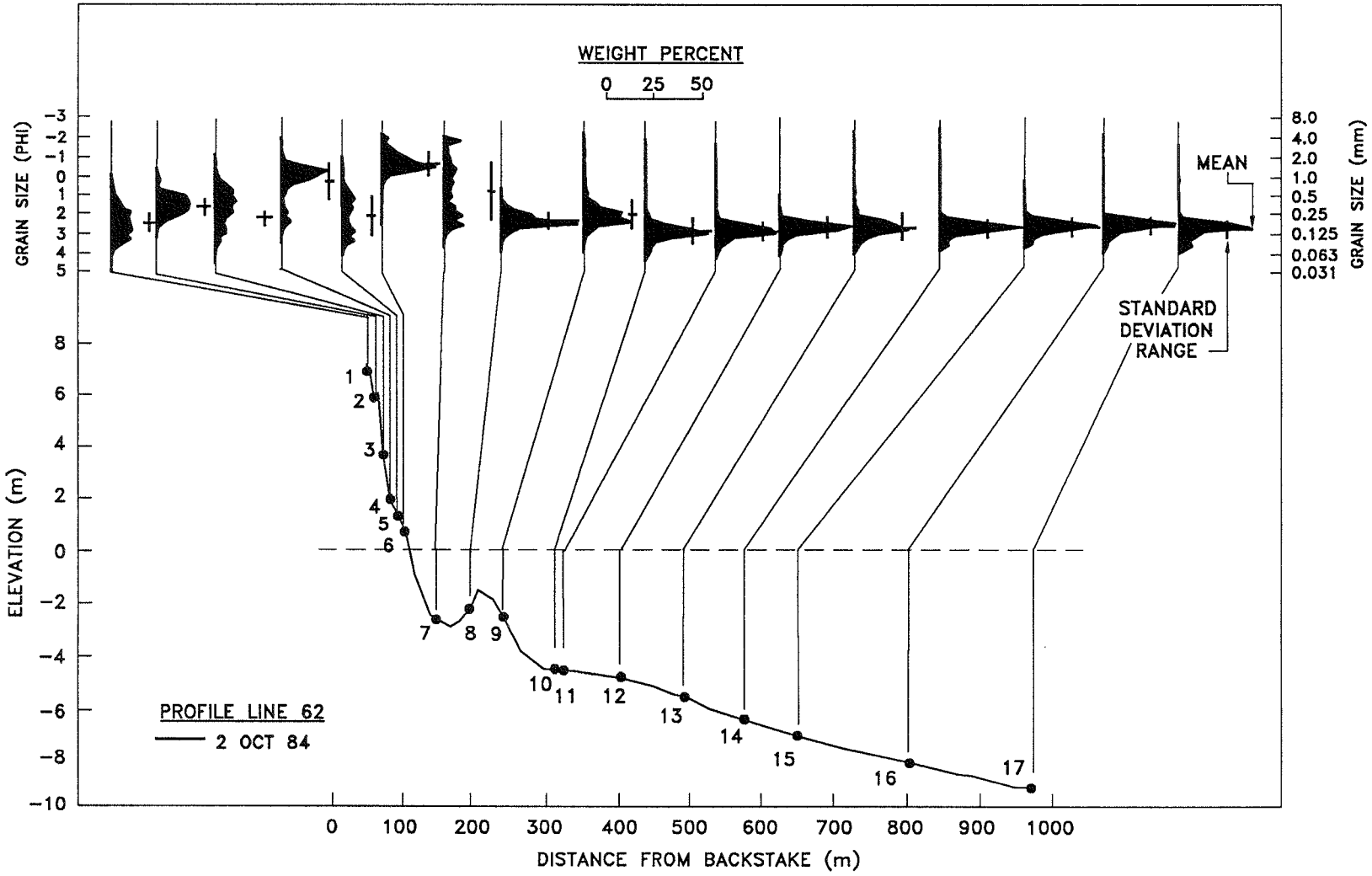


Figure 21. Sediment grain-size distributions across a well-developed inner bar profile during 2 October 1984

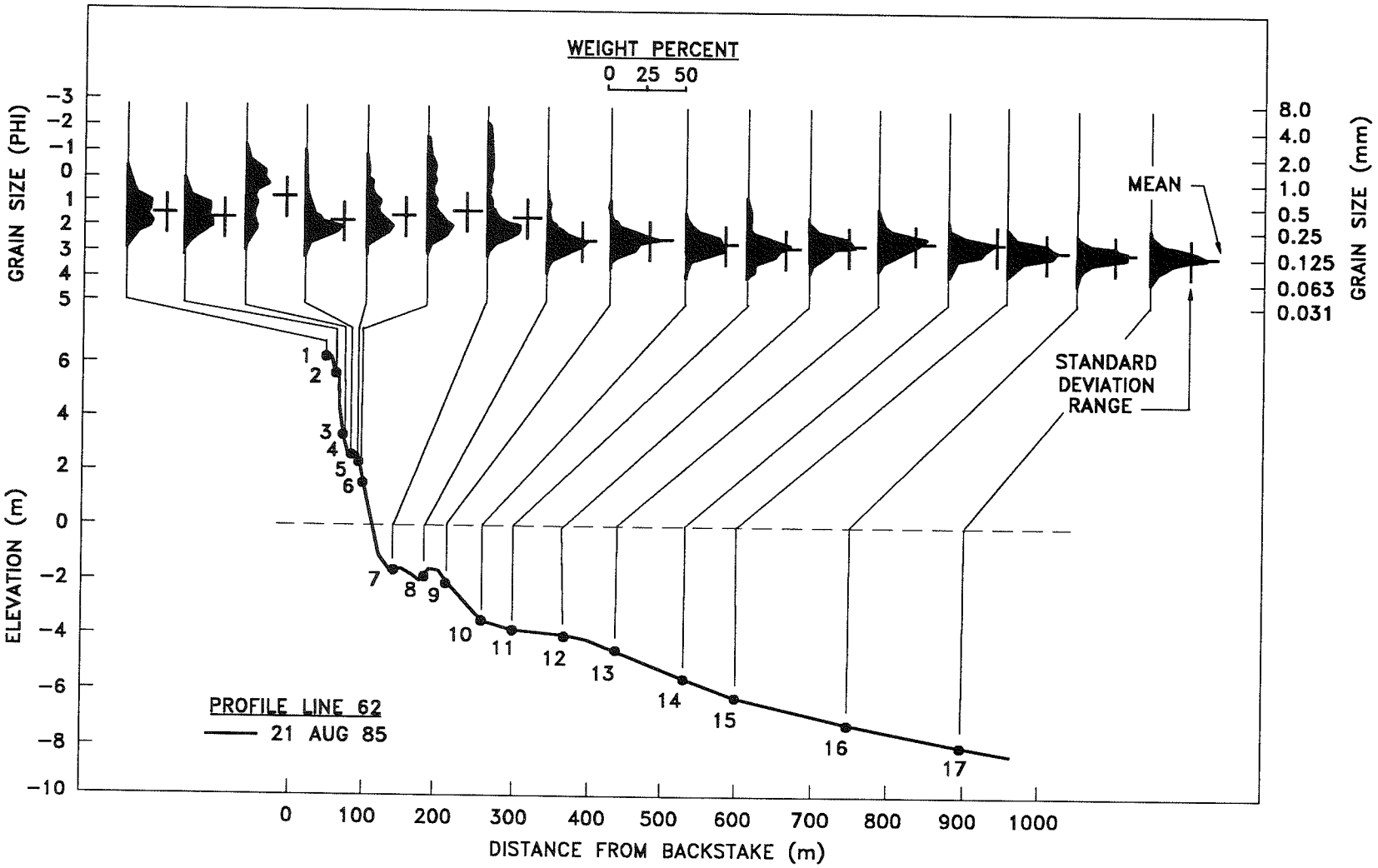


Figure 22. Sediment grain-size distributions across a shallow inner bar profile during 21 August 1985

to finer grain sizes as one moves seaward. Only Stations 3, 6, and 7 exhibit a coarse fraction.

Use of Composites

47. To reduce the variability between the large number of samples in this data set, a mathematical composite was constructed from the individual weight percent data of each sample group. The composites were assembled by combining all the samples from each group to form a single composite sample of the (a) dune, (b) beach, (c) bar/trough, and (d) nearshore for a given sample day (Figure 11) . Another composite was constructed using all the samples across the profile to make a profile composite for each sample day. To construct the composite, ISAP was used to combine the percentage of sediment in each 1/4-phi-size class of the different samples in each composite group, and a new average grain-size distribution was calculated. This method, described in Hobson (1977), preserves the grain-size information of each individual sample for later use and allows for various combinations of composites. Each composite frequency curve was then plotted, and the sediment statistics were calculated.

48. A plot of the composite means versus sorting of each sample day is shown in Figure 23. By reducing the number of data points and averaging the data in each group, a clearer picture of the cross-shore grain-size distribution is shown. The trend of finer grain sizes in the offshore direction is shown. The trend of best sorting in the dune and the nearshore group sediments and the poorest sorting or widest spread in individual grain sizes in the beach and nearshore groups can clearly be seen. Within the cross-shore spatial distribution, overlap was only minimal, with each group having a specific range of means and sorting. Within each sediment group, the spread in data points can be correlated with coarser, more poorly sorted sediment distributions occurring after higher wave events and the finer, more well-sorted sediment distribution occurring during low wave periods.

49. With the irregular spacing of survey data collection, temporal trends and variations can be interpreted only in general terms. Only two storm events were closely bracketed. The other sampling periods average the daily change over longer time spans. Plots of the composite grain-size frequency curves through time for each cross-shore sediment group are shown in

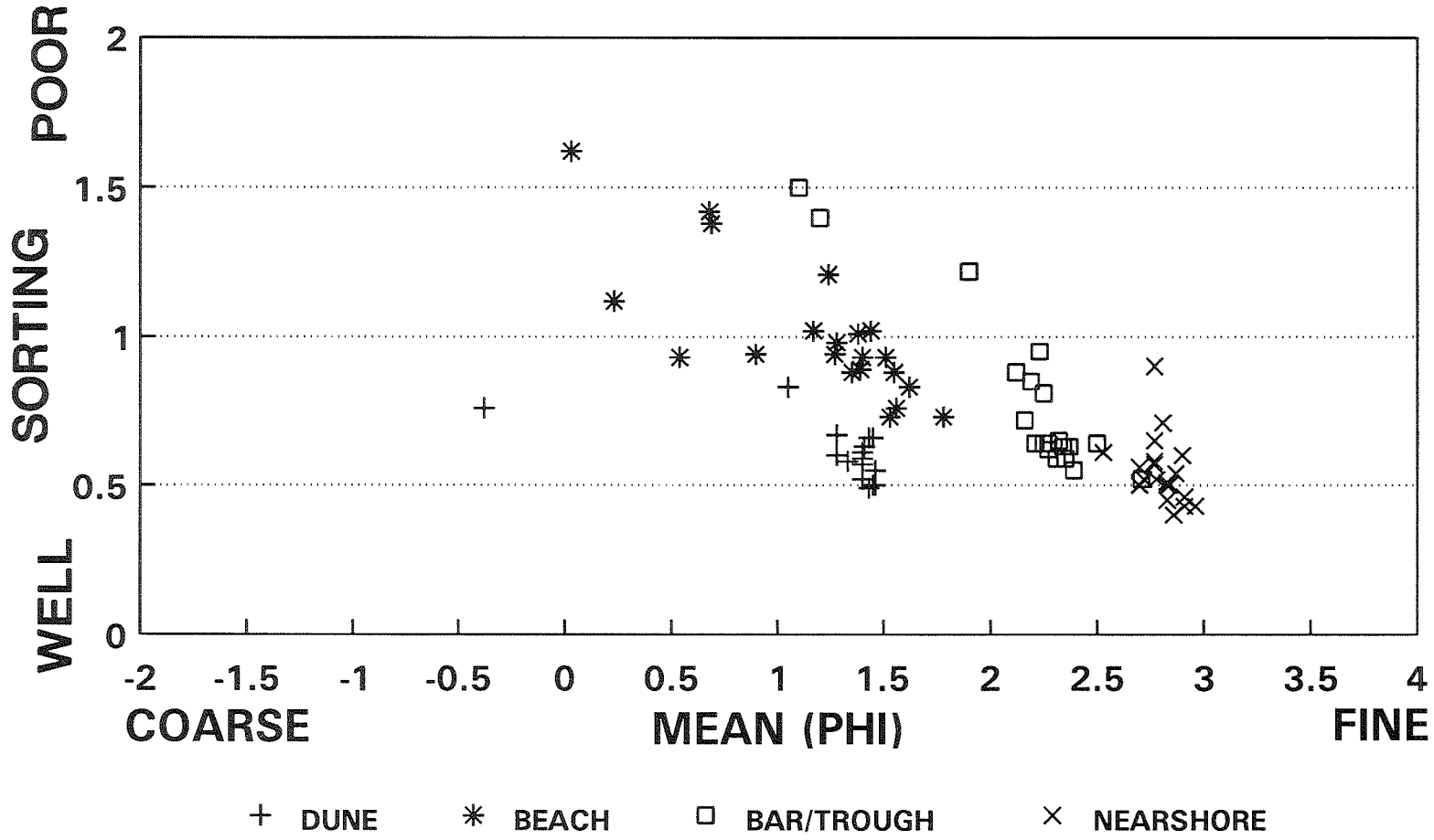
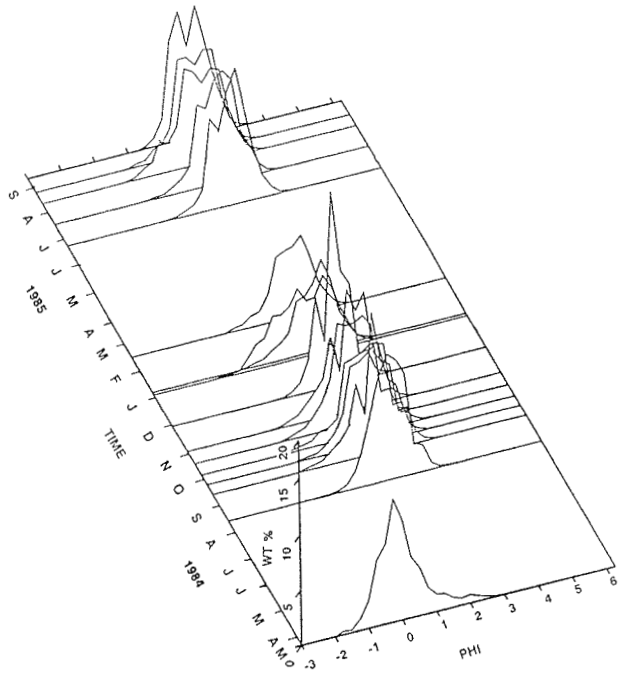


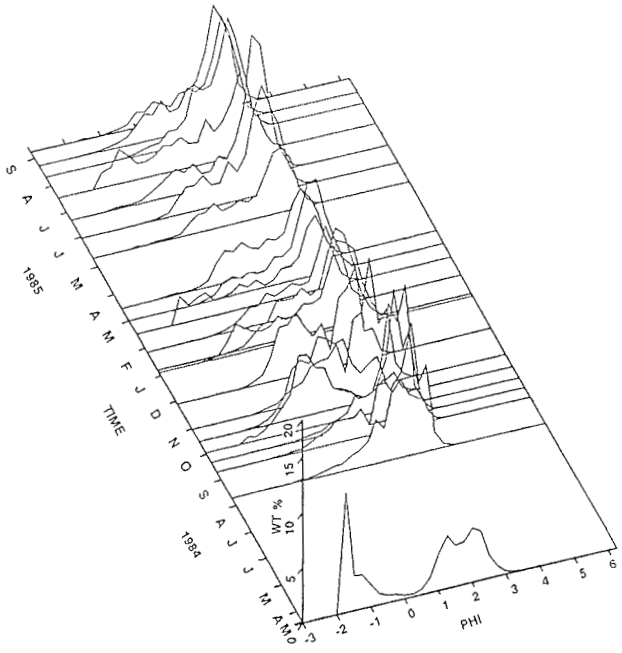
Figure 23. Plots of composite mean grain size versus composite sorting of the four sediment groups

Figure 24. Using the entire distribution from the coarse to fine sizes shows the details of change by grain-size class, in depositional regimes. The dune composite distributions show little change through time. The slight change in percentages in each grain-size class is due to sampling within the vegetated dune. Coarse shifts in the curves are due to collection of coarse shell material. The highest variability in distribution was found in the beach group composites. The bimodal nature of the distribution can be seen, with increases in the coarse mode fraction after storms or when samples on the foreshore contained granule-size lag deposits. The coarsest material was present early in the study period during the winter storm period. Later beach distributions showed a shift to the finer mode, except during July 1985 when a coarse fraction was present. The bar/trough group showed a more unimodal distribution that was more uniform through time. Again, a coarse component was present during the winter of 1984/85 sampling, that was not there during the later sampling periods during the summer of 1985. Little change can be seen in the nearshore distribution throughout the entire study period, with only a slight percentage of coarse material appearing in the winter months. Note the small percentage of coarse material that occurred after the 11-13 October 1984 and the 3-5 January 1985 storms and disappeared into the summer months.

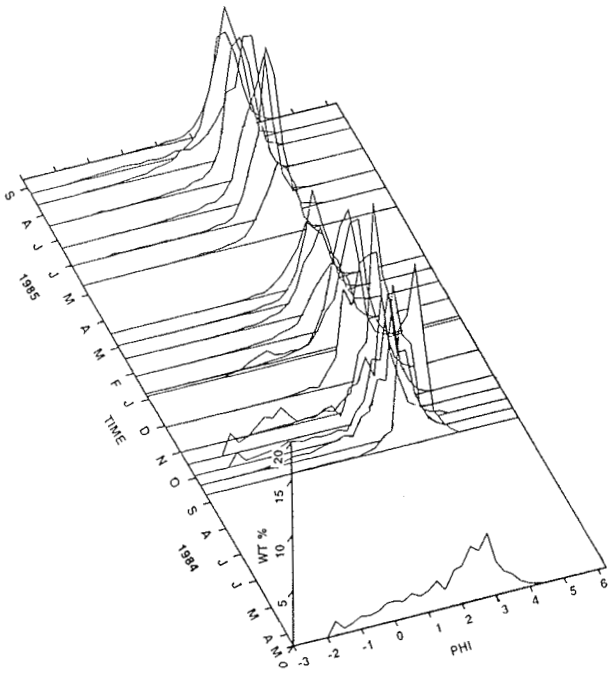
50. A temporal summary in the grain-size distribution was constructed by creating a profile composite, averaging all 17 individual cross-profile samples for each sample day into one mathematical composite. Details of the cross-shore differences are smoothed, and variations are reduced with this procedure, but the main trends are more prevalent. Figure 25 showed the profile composite frequency curve grain-size distributions through time as well as the mean grain size versus sorting. This use of a profile composite shows the change from a flatter frequency curve that had a coarse mean and poor sorting and higher percentage of the coarser grain sizes during the winter to a smoother bell-shaped curve in the summer. The well-sorted coarse distribution of 11 August 1984 resulted because no samples were collected below NGVD that sample day. The general trend in grain-size distribution variation is characterized by the change in the coarse fraction. The finer fraction, owing to the large number of samples in the bar/trough and nearshore regions, remained the dominant percentage of this profile composite.



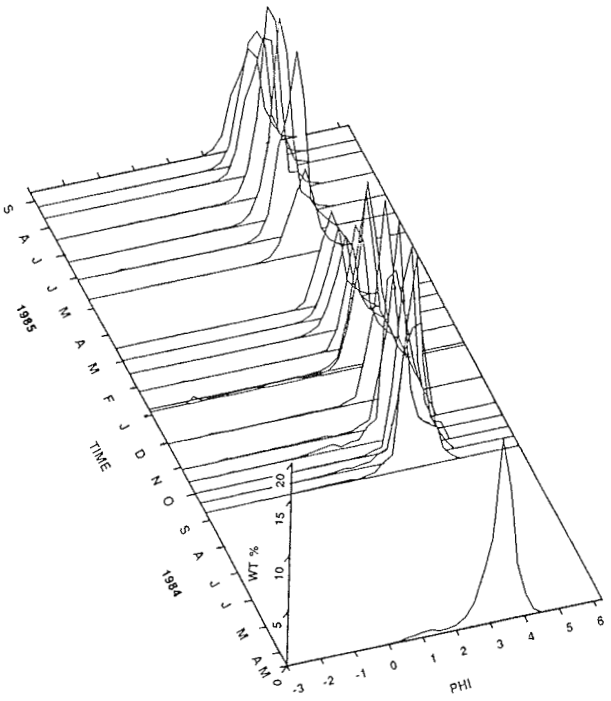
a. Dune



b. Beach

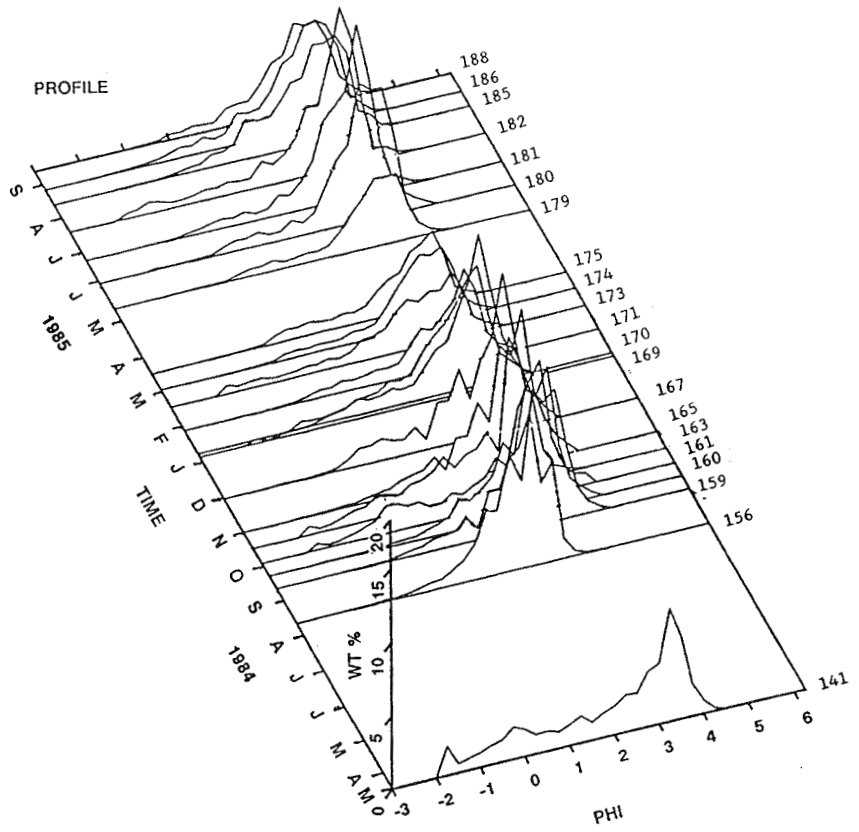


c. Bar

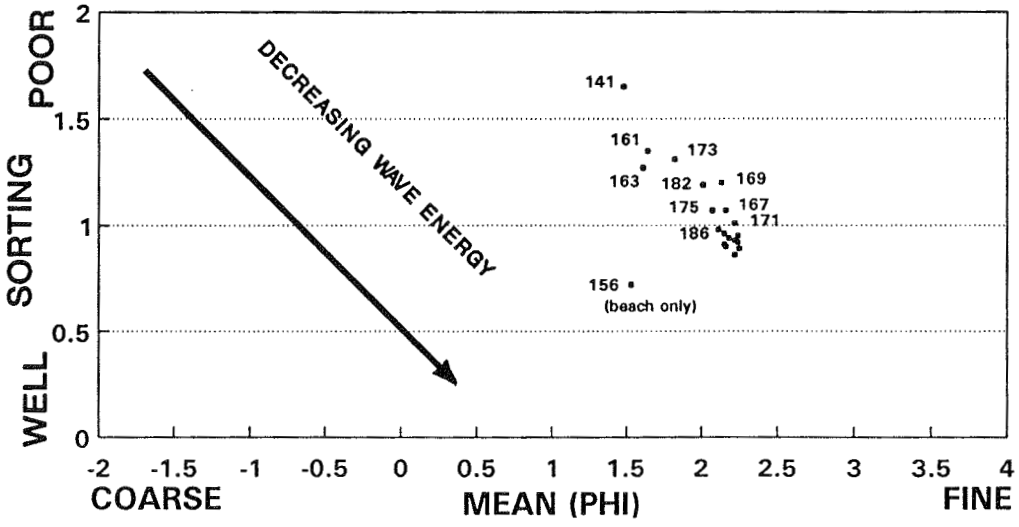


d. Nearshore

Figure 24. Composite grain-size distributions changes through time



a. Grain-size distribution changes through time



b. Mean versus sorting

Figure 25. Profile composite grain-size distribution changes through time and mean versus sorting

51. In order to relate the variations in grain-size distributions to the physical processes, a comparison of the changes in composite mean grain sizes of (a) the profile mean, (b) the beach group mean, and (c) the nearshore group mean were compared with the wave power and wave steepness values. Figure 26 shows the time series of variation in the means of these groups to the wave parameters. Owing to the differences in sediment transport modes and depositional environments, the beach group had the highest variation in composite means. The nearshore group had the smallest variation. The profile mean fell between these two and was composed of all the means from the dune to the nearshore. All of the means reflect the trend to coarser (and more poorly sorted) sediment grain-size distribution after high wave conditions. High wave power values and, to a lesser extent, wave steepness values correlated with times when the means become coarse. The shift to finer means occur as the wave parameters decrease.

Erosion/Accretion Calculations

52. Most numerical modeling efforts to identify beach response and cross-shore transport require some measure of grain size. However, there is no standard in choosing a good representative value. In fact, most equations using grain-size data use a median value (D_{50}), but the specifics of what median value to use are left to the individual. With the known variability in grain-size distributions across the beach as shown in this report, it is important to pick a reasonable representative value to apply to model equations.

53. One example of the use of grain-size data in modeling is to predict whether a beach profile of a specific sand size will erode or accrete given specific data on incident wave height and period. This information is important to assess the stability of a native beach or predict the stability of a beach fill. The procedure for calculation is given in Kraus (1990). The variables used to determine the erosion of accretion on a beach are the deepwater wave height, H_o ; wave period, T ; and sediment fall velocity, w . Sediment fall velocity is calculated from the median grain diameter, D_{50} , and water temperature. Additional information on the calculation procedure is given in Kraus (1990) and Stauble et al. (in preparation). Two nondimensional ratios are used in the calculations: deepwater wave steepness, H_o/L_o ,

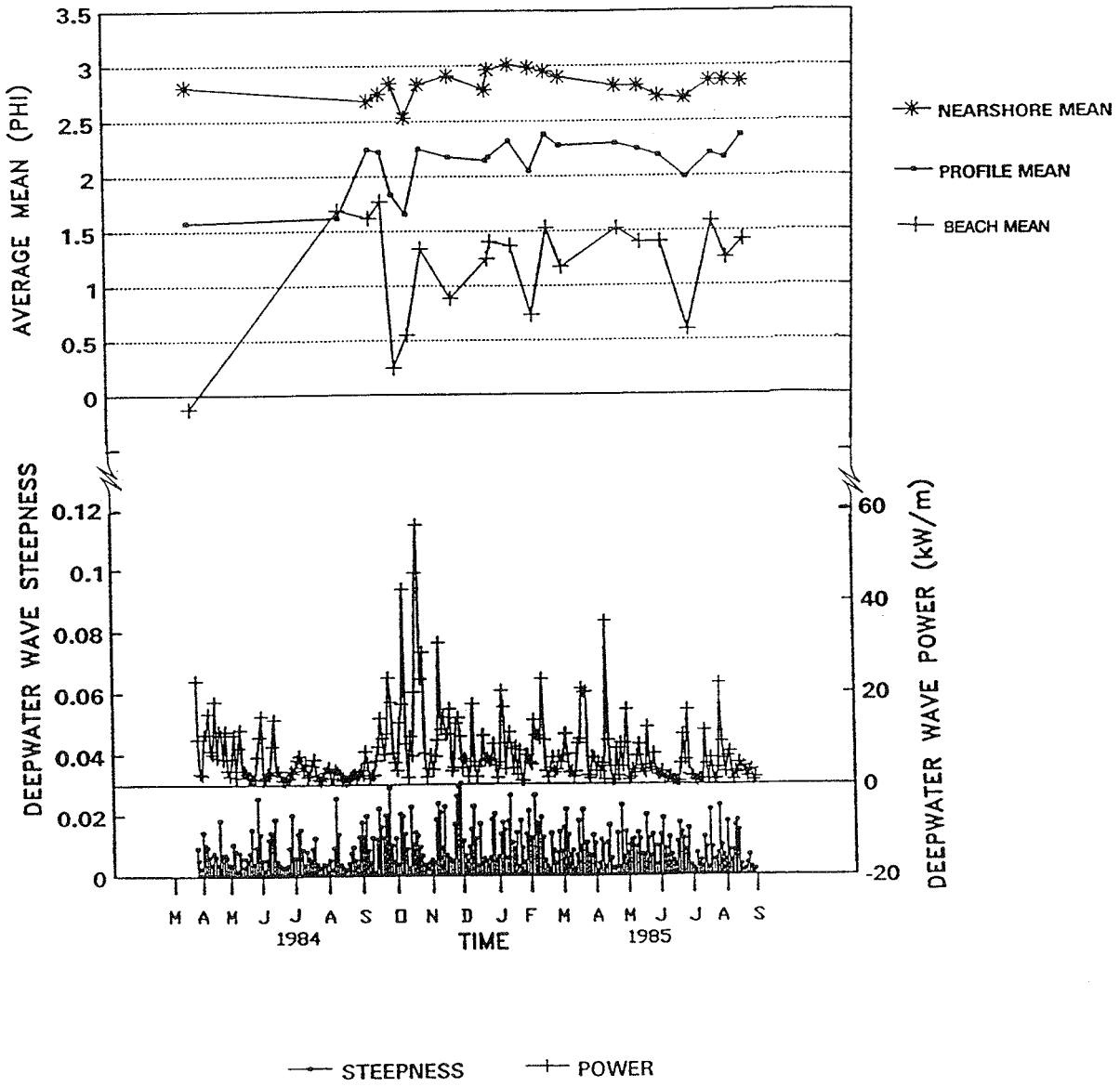


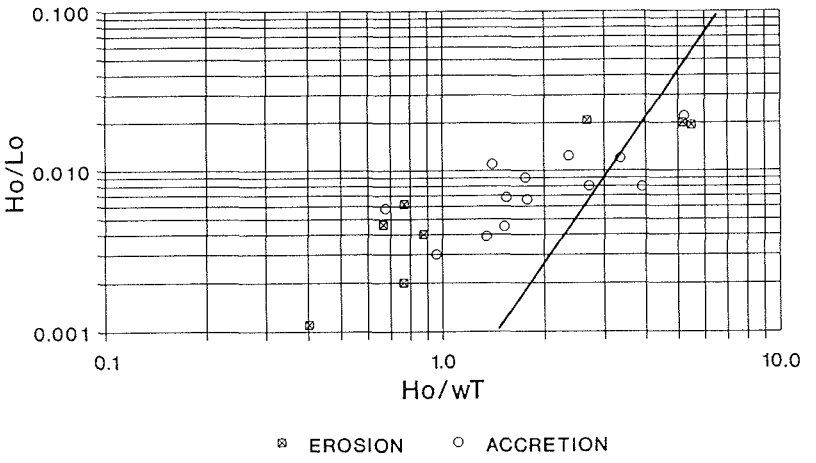
Figure 26. Time series of variation in composite means of beach, nearshore, and profile with wave power and wave steepness

and deepwater fall velocity parameter, H_o/wT , where the deepwater wavelength is calculated from the wave period data using $L_o = gT^2/2\pi$, where g = acceleration of gravity or 9.8 m/sec^2. This expression can be simplified to $L_o = 1.56\ T^2$ (m) . With the availability of wave data for the study, the deepwater significant wave height was calculated from the gage data, using an average wave height from the 24-hr before the profile (wave data was collected every 6 hr) and sediment sampling were taken. The corresponding 24-hr average spectral peak wave period was also used.

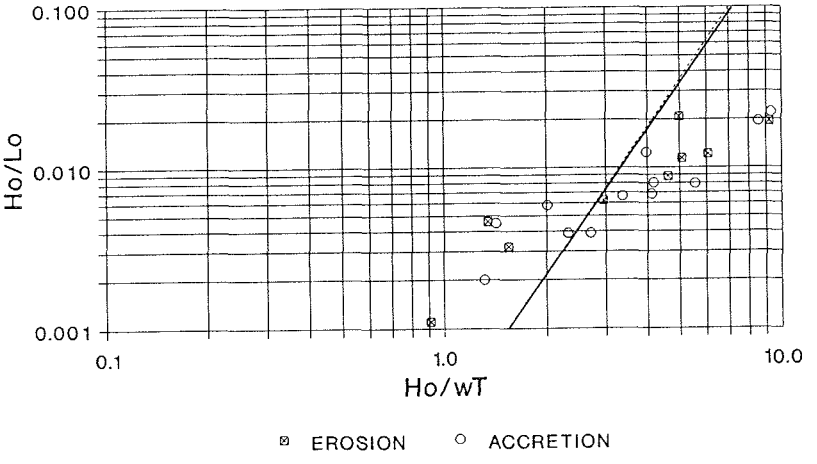
54. Several combinations of grain-size data were applied to the calculations for fall velocity to see the changes in data spread and to determine the best grain-size data to use in the calculation procedure. Figure 27 shows the plot of criteria for distinguishing bar and berm profiles or erosion/accretion using median grain size (D_{50}) data to determine sediment fall velocity. The sediment fall velocity was calculated using composite D_{50} data from the beach group, the nearshore group, and the entire profile composite for each sample day.

55. Figure 28 shows the erosion/accretion using mean grain size instead of median values for the same three groups of the beach, nearshore, and profile. The division line is the same as in the median plots. The substitution of mean values rather than D_{50} values for the calculation of the sediment fall velocity shows little differences in placement of data points. The differences are greatest for some of the bimodal beach samples. For unimodal samples that are reasonably well sorted, the mean and the median are very similar, and either analysis could be used.

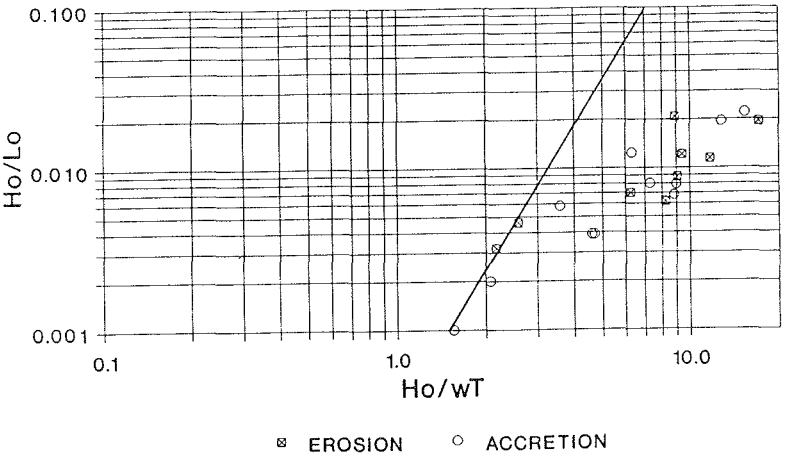
56. These plots give a line representing the criterion representing the division between erosion and accretion of $H_o/L_o = 0.00027\ H_o/wT$ reported in Kraus (1990) based on field data. A second criterion was also described by Kraus (1990) for identification of an erosional profile from an accretional profile by using a single value of $H_o/wT = 3.2$. Values of $H_o/wT \geq 3.2$ indicate that erosion is predicted, and values of $H_o/wT < 3.2$ indicate that accretion is probable. An identification of erosion and accretion for this study was to chose whether the profile experienced a net loss of material from the previous profile or a net gain respectively and is indicated as such in Figures 27 and 28. Due to the irregular temporal spacing of profiles, this may not be a good indicator for differentiation in this model. Since wave



a. Median beach composites

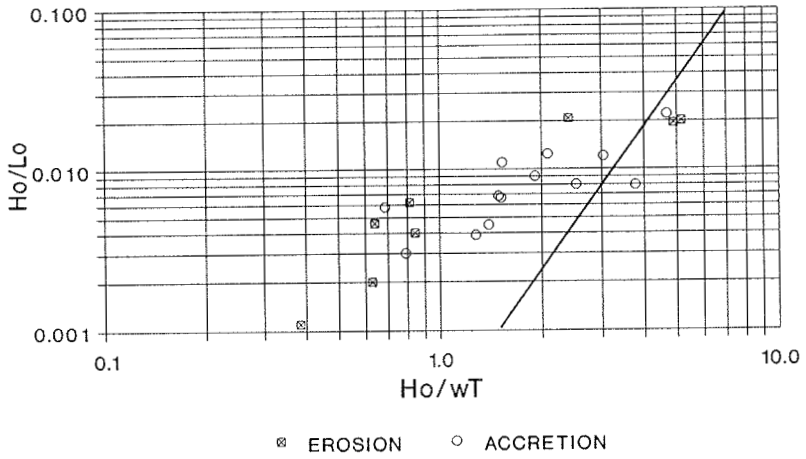


b. Median profiles composites

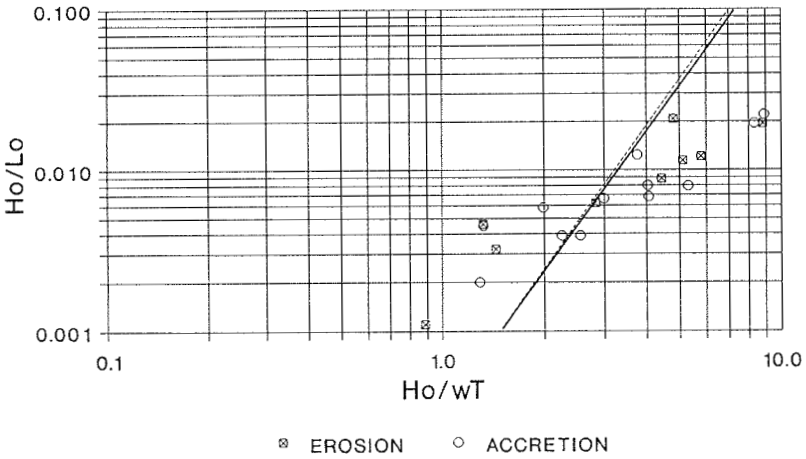


c. Median nearshore composites

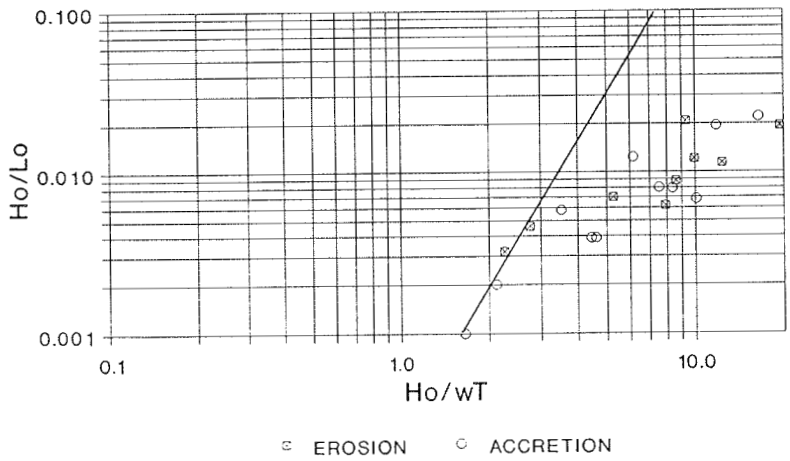
Figure 27. Erosion/accretion prediction using median grain-size (D_{50}) data



a. Mean beach composites



b. Mean profile composites



c. Mean nearshore composites

Figure 28. Erosion/accretion prediction using mean grain-size data

data were taken during the preceding 24-hr period of profile survey, the wave data can be considered influential in the deposition of the particular sediment deposited on the profile on that day. The measure of erosion or accretion was based on anywhere from 2 days to over a month between profiles; thus there was not a good agreement of determined erosion and accretion with the theoretical values. Since all but three of the profiles had a general inner bar shape, the criterion of bar or berm profile shape was not a good delimiter of erosion or accretion.

57. The main point of this part of the study was to show that the choice of grain-size data to use in the calculation of the sediment fall velocity is important to the use of this criterion. Coarse berm sediment means or medians will shift the point to the left toward an accretional mode, while the use of finer means or medians such as were found in the nearshore composites shifted the data to the erosional side of the plot. The use of a profile composite seemed to fit the criteria of Kraus (1990) the best. The location on the profile of median grain-size data used in Kraus (1990) was not specified. The composite profile sediment data set using the FRF data fell between the beach and nearshore data and basically averaged the grain-size median or mean over the entire cross-shore distance.

58. It is suspected that in the past most sediment data have been collected on the subaerial beach, but the original criterion H_o/wT was developed by Dean (1973), who based the settling velocity of the grains on the area of location under the breaker. The formation of a bar-type profile is usually dependent on transport of sand from the beach foreshore out to the nearshore bar position. Movement of sand by bar migration onto the lower foreshore with berm growth characterizes accretion. Swash processes dominate the transport on the foreshore, while turbulent interactions of wave and current-induced transport characterize the dominate processes over the nearshore bar. More research needs to be done on the correct choice of median (or mean) grain size to use in predicting erosion or accretion, owing to the fact that the grain-size distribution varies across the profile depending on the mode of transport common to that area.

PART VI: SUMMARY AND RECOMMENDATIONS

59. This unique data set of long-term beach profile elevations, sediment samples, and wave data has provided a rare opportunity to examine the interaction between cross-shore profile changes and the resulting grain-size distributions for the wide range of energy environments found across the active beach profile under varying wave conditions. Spatial changes indicate that the most active part of the profile at the FRF is the bar/trough area, which alternately moves seaward after storms and migrates landward during fair weather wave conditions. The highest variability in sediment grain-size distributions occurred on the subaerial beach and foreshore area. The most stable sediment distributions occurred on the most stable portion of the profile in the nearshore area seaward of 450 m from the baseline. High wave activity caused the foreshore to erode and sediment to migrate into the seaward direction (and alongshore, which was beyond the scope of the present study). After these high-energy events, the sediments became coarser and more poorly sorted. Lower energy wave conditions for long periods of time created conditions of landward migration of the inner bar and accretion on the foreshore, with deposition of finer sediments.

60. Sediment sample spacing across the profile is important to identify the changes. From this study, it was found that the dune sample distribution changes little, since most of the transport is limited to the finer sizes due to wind. With the high variability in sediment of the beach group, more samples of closer spacing are needed. The beach at the FRF is composed of coarse material. Coarser grain-size distributions lead to higher variability in sediment distributions (Bascom 1959). This higher variability in coarser sand beaches requires more samples of the foreshore region (Anders and Hansen 1990). From their study, as well as others, and the apparent variability in Station 6 on the foreshore in this present study, it is recommended that more samples be collected in the foreshore region on coarse beaches. Additional samples should be collected at the area of MHW, midtide region, and the MLW area to characterize the active foreshore area. Uniformity of sediment distributions in the nearshore region requires less sediment samples to characterize that region. Surprisingly, the bar/trough group showed less variability than expected, but wave- and current-induced depositional areas vary greatly, depending on the position and shape of the bar, trough, and lower

foreshore step. Care should be taken when sampling this zone to cover the main morphologic features of step, trough, and bar crest. Sediment sampling locations based on hydrodynamic zonation appears to provide more information on sediment distributions than sampling on a fixed distance from a baseline (Stauble, Hansen, and Blake 1985).

61. The main trend of profile response was to erode the above NGVD portion of the beach during the first portion of the study from March 1984 to October 1984. There was a weak seasonal trend of erosion in the spring, fall, and winter months, with accretion in the summer months. A stronger trend was for the occurrence of more storms in the spring and fall of 1984 to cause an alternating erosional trend after storms and a slow accretional trend between storms. The second half of the study period from October 1984 to September 1985 had more of a trend for general accretion in both the nearshore and bar/trough area below NGVD and the berm and foreshore area above NGVD. Occasional storms caused short periods of erosion, but there was less frequency of storm occurrence during the latter part of the study.

62. The temporal trend in sediment grain-size distributions was harder to discern than the spatial cross-shore distribution. The use of composite samples helped to remove some of the variability in distributions. By compositing samples deposited in similar transport dynamic zones, four groups were identified. The dune group had little variation, except for sampling variability of shell material in the vegetated dune area. Since no storm waves reached the dune during the study, the only transport was by wind, with lag deposits of coarser material, resulting in uniform sediment distributions throughout the study.

63. The beach group was under the influence of wind on the dry beach during fair weather conditions, and during storm conditions the foreshore zone expanded as the wave runup reached higher in the berm area. The daily change in wave conditions, as well as changes in the beach morphology due to swash processes, created the highest variability of any of the groups in the study. Primarily bimodal in character, the beach group showed an increase in the deposition of coarse mode material after high wave events and deposition of more fine mode material during lower wave periods.

64. The bar/trough group samples were collected in a variety of subenvironments from the step to the trough to the inner bar during the study depending on the shape and location of the bar. The mostly unimodal samples

generally became finer in the offshore direction and had only coarse material after storm events or when Station 7 was at the highly turbulent step region.

65. One of the interesting findings of this study was the low variability in the nearshore group during the study period. Contrasted with the higher variability in the beach and bar/trough groups responding to changes in the wave energy levels, the nearshore group sediment distribution remained relatively constant over the 18-month study. Only a slight coarsening was observed in the sediment distribution after storm events. This low variability in sediment distribution change is concurrent with low variability in profile elevation changes seaward of the 450-m distance from the baseline. This portion of the profile was not under the influence of the wave regime, being seaward of the breaker zone. There are few forcing functions to cause transport of this seaward fining sediment. The study period was, however, lacking any major storm events. Howd and Birkemeier (1987) in a longer period of study did observe a small change in the second bar around 400 m seaward of the baseline with limited change up to a depth of -7 m. It is suspected that the present study, with significant measured changes only out to a depth of -4 m, has not sampled the total effects of storms on the change in this nearshore area.

66. The unique combination of accurate long profiles, detailed sediment sampling over all regions of the cross-shore profile, and frequent records of wave processes has provided a better understanding of the long-term process-induced response of ocean beaches. The wave records indicate that the higher wave energy events tend to erode the foreshore area and deposit sediment in the nearshore region (and in the alongshore direction). The sediments that remain on the profile after the storm are coarser than before the storm. This trend was found to be true in the beach and nearshore group and to a lesser extent in the nearshore group. In the absence of a high frequency of large wave events, the bar tends to migrate inshore with a corresponding accretion on the foreshore. The sediments across the profile trend to finer grain-size distributions with finer means and better sorting. The frequency of occurrence of high wave events is the leading cause of beach response, and controls or supersedes any seasonal cycle of erosion/deposition. The longer the period of low wave events, the more accretional the profile becomes, with a fining of grain-size distributions.

67. The use of the entire grain-size distribution gives a detailed picture of the sediment distribution at each sampling location showing bimodal versus unimodal distributions, as well as changes in specific size classes in response to wave action. The use of composite samples reduces the variability and allows large data sets, such as in this study, to be analyzed and trends to be identified. The choice of sediment statistics used to characterize a sediment is important. The most used grain-size descriptor in modeling efforts is the use of the median (D_{50}). The mean grain size is probably the most reported statistic. These two values are very similar except in polymodal sediment distributions, such as were found in the beach group. A comparison of the composite means of the beach, entire profile, and nearshore groups gives a better picture of temporal cross-shore change than any one individual sample mean. This study indicated that the most variability was found in the beach group, whereas the nearshore composite means were the least variable and indicated only changes due to high wave events. The use of the profile composite mean fell between them and gave a reasonable picture of grain-size changes.

68. Any modeling effort that requires grain-size data should evaluate the cross-shore variability of that particular beach and should choose either a composite of the subaerial berm and foreshore portion of the beach or the total profile to characterize the sediment distribution. Since most equations require a single value, the use of a beach or profile composite mean is suggested to give the best representation.

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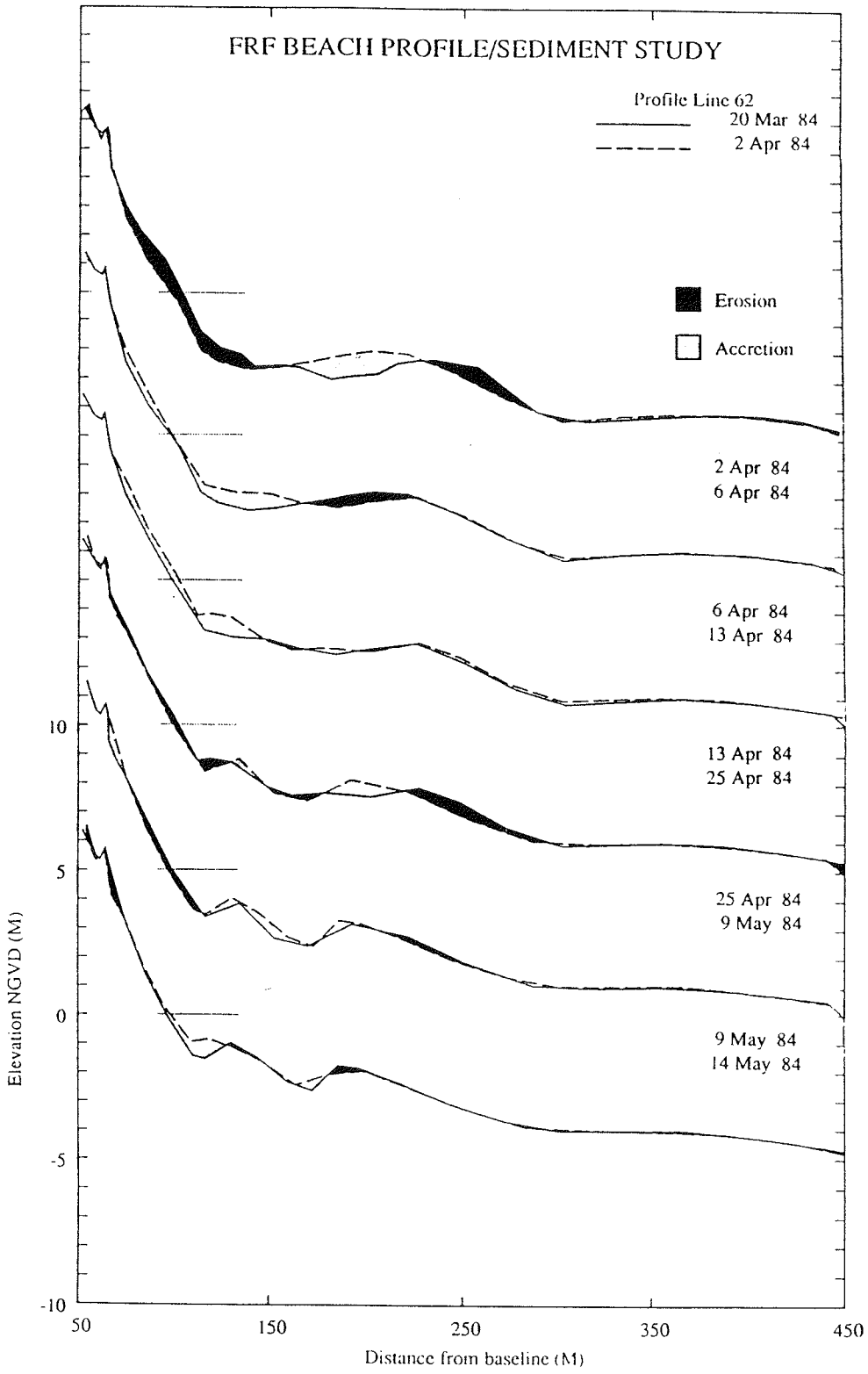
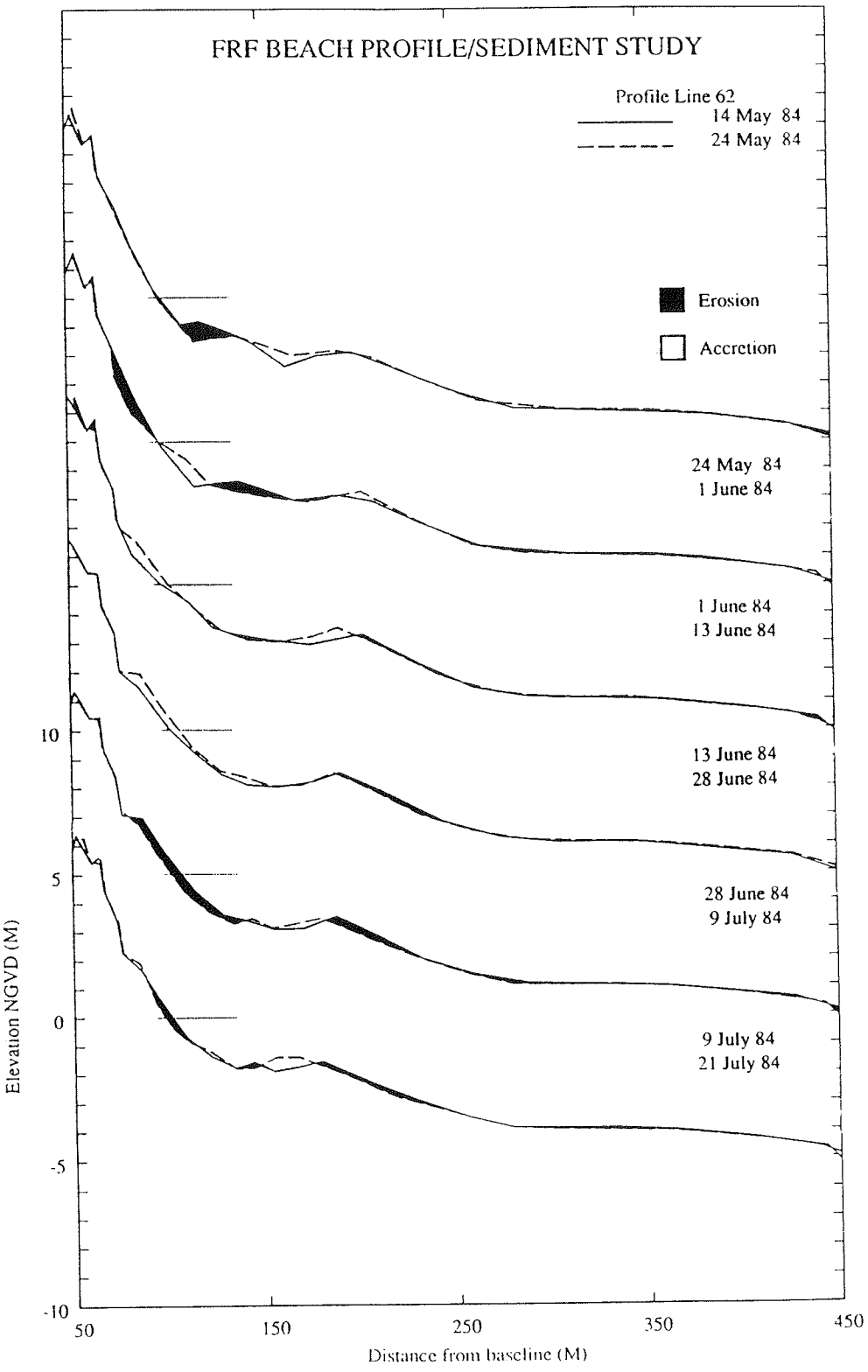
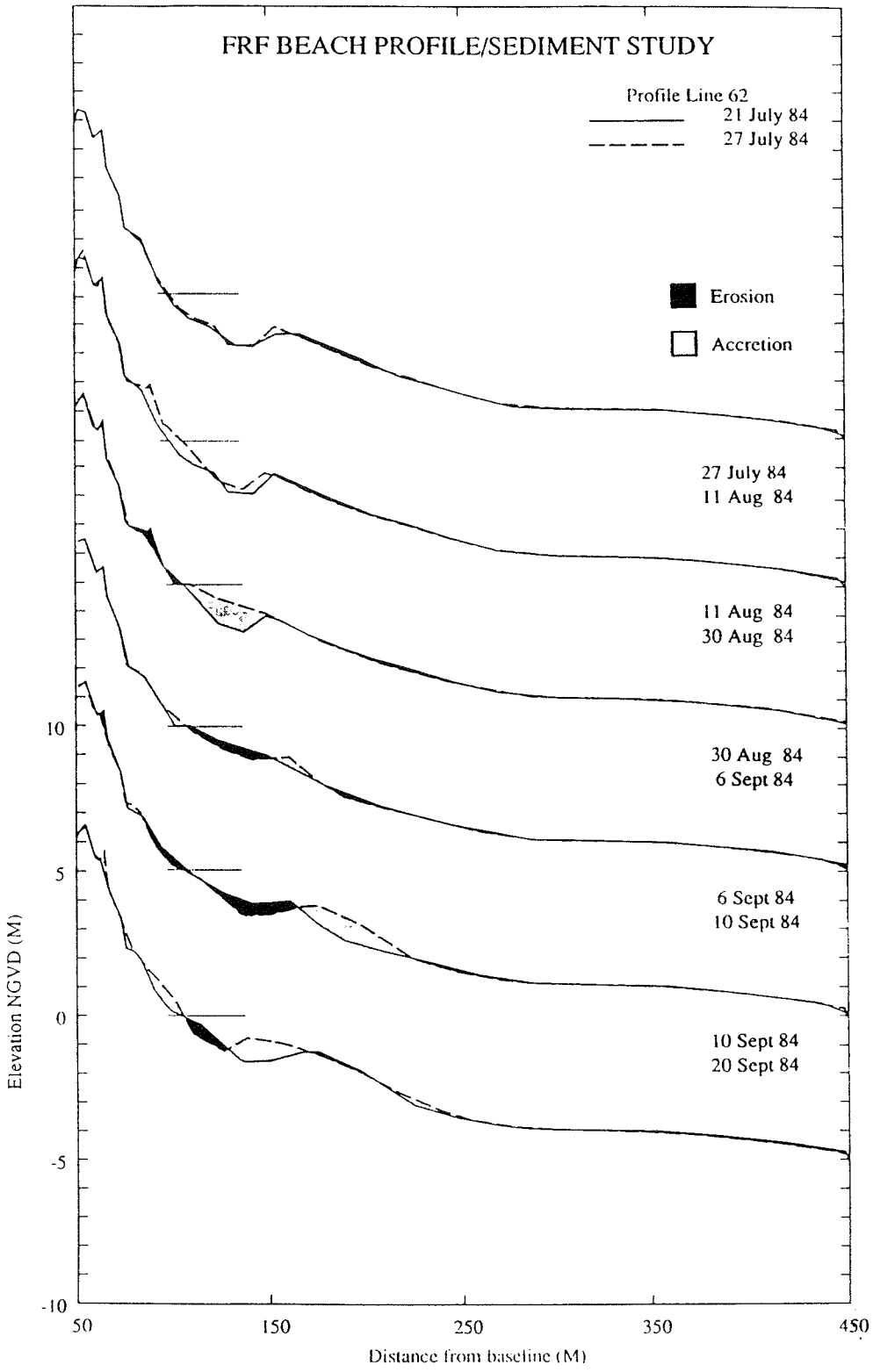
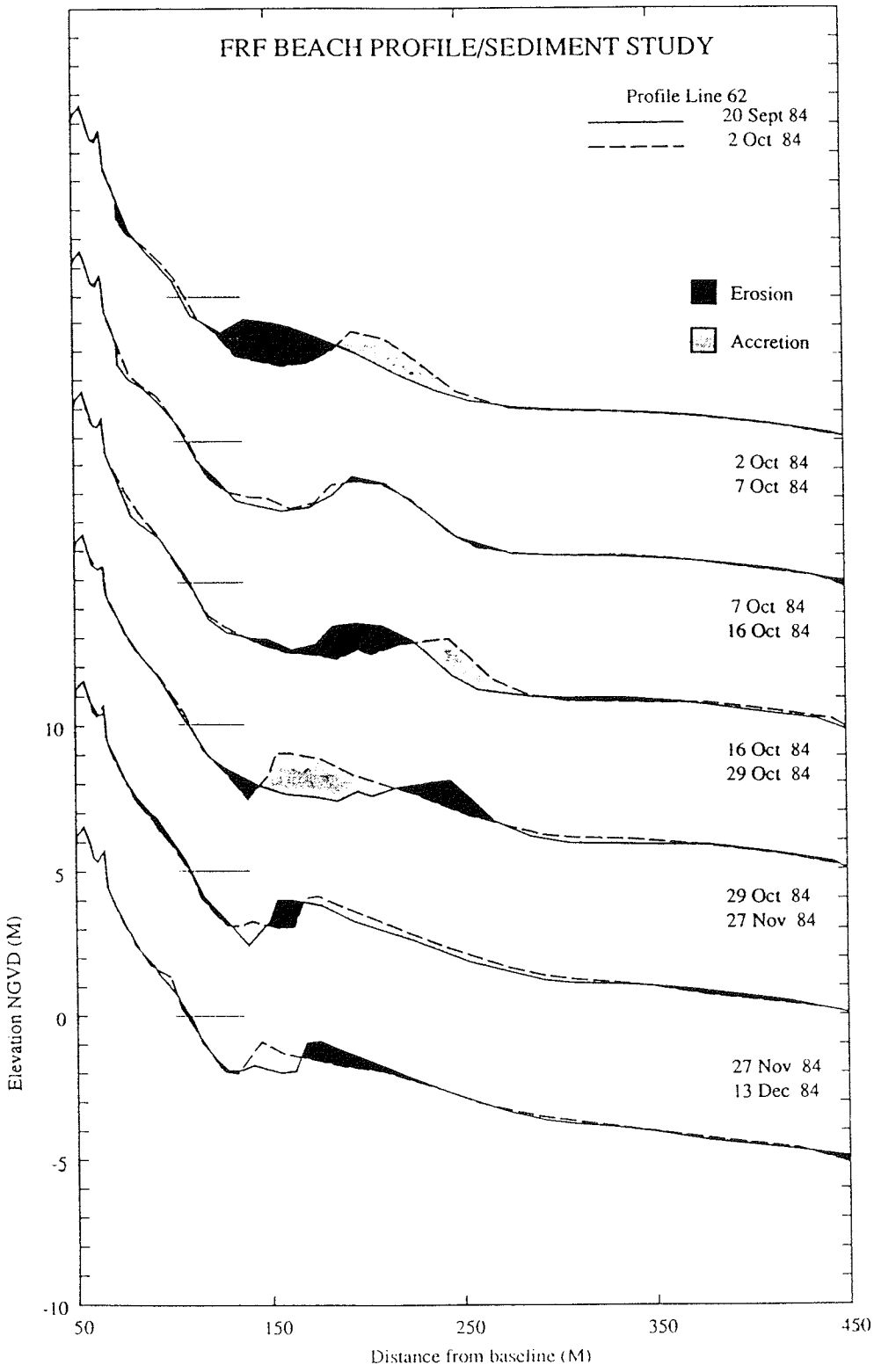
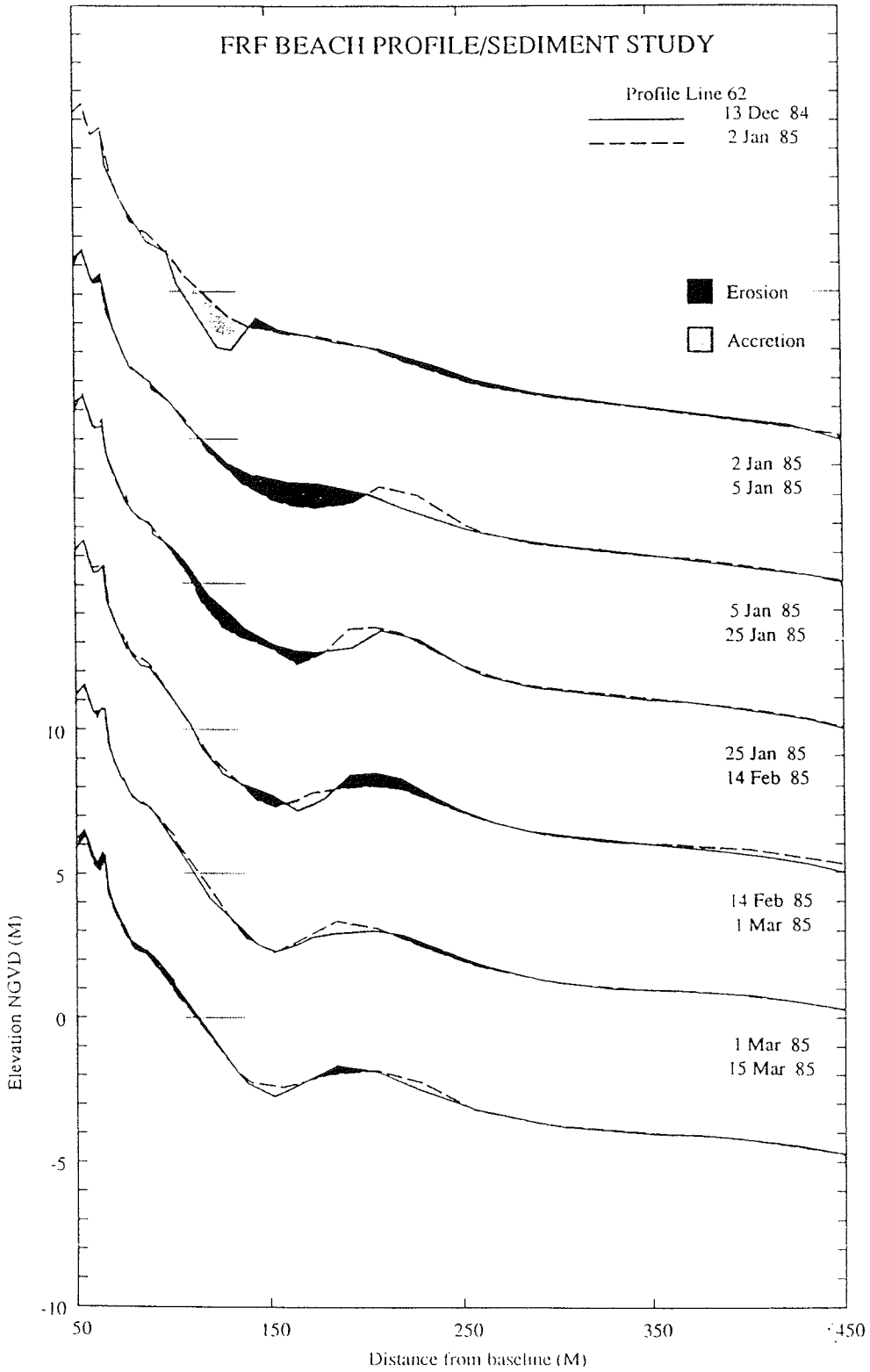
APPENDIX A: PROFILE CHANGE PLOTS

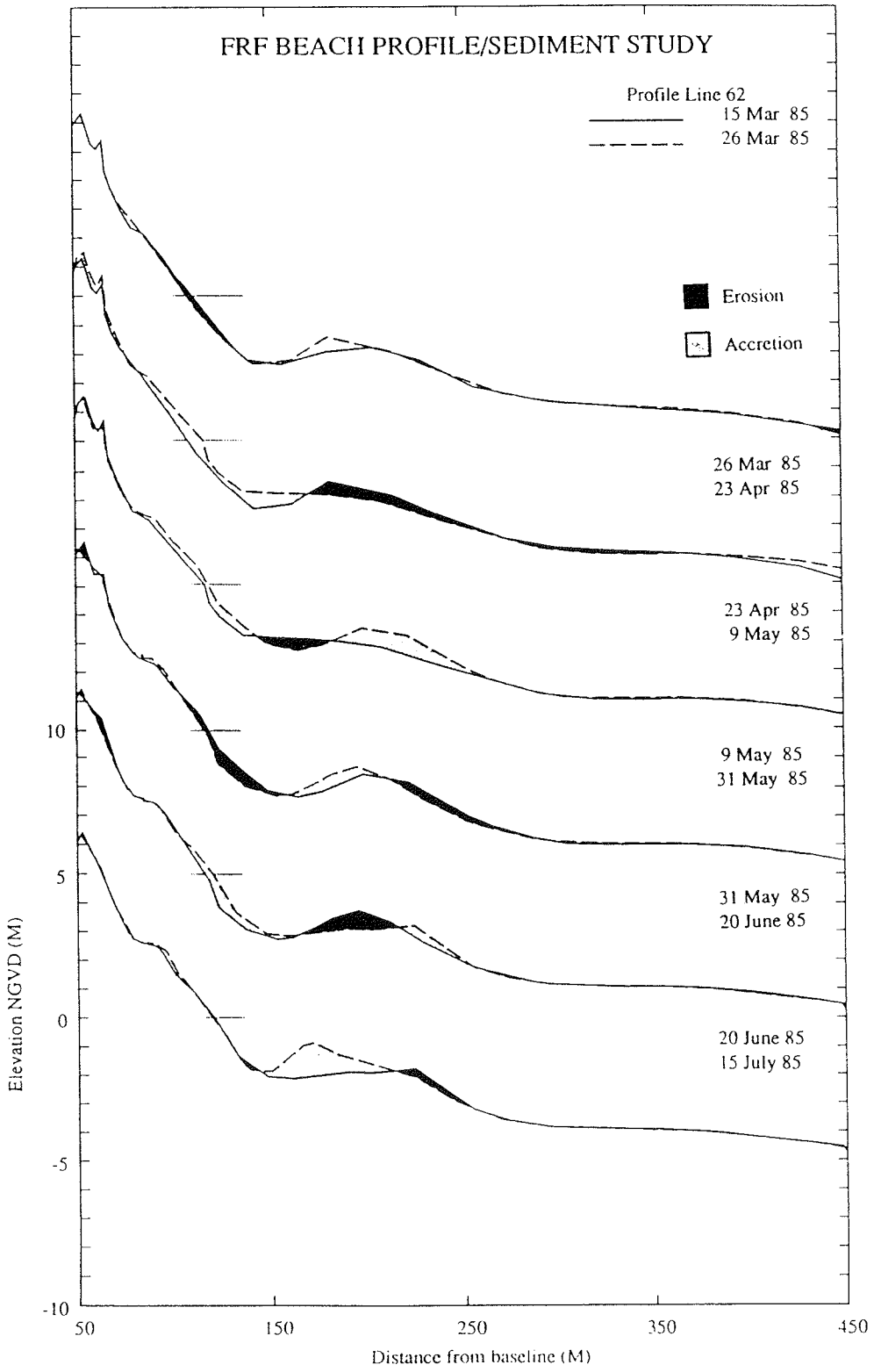

FRF BEACH PROFILE/SEDIMENT STUDY
Profile Line 62
20 Mar 84
2 Apr 84
Erosion
Accretion
2 Apr 84
6 Apr 84
6 Apr 84
13 Apr 84
13 Apr 84
25 Apr 84
25 Apr 84
9 May 84
9 May 84
14 May 84
Elevation NGVD (M)
10
5
0
-5
-10
50
150
250
350
450
Distance from baseline (M)

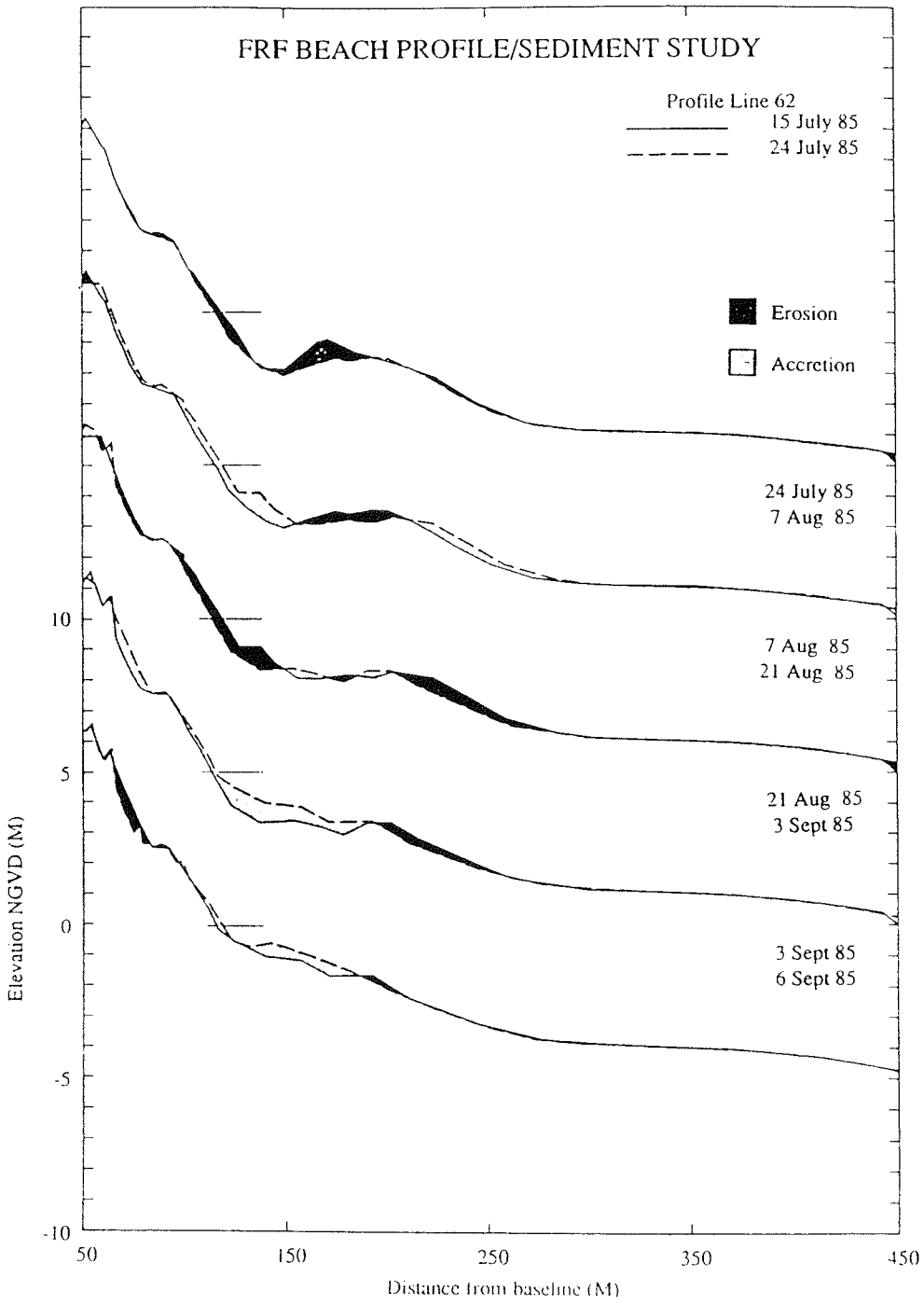

FRF BEACH PROFILE/SEDIMENT STUDY
Profile Line 62
14 May 84
24 May 84
Erosion
Accretion
24 May 84
1 June 84
1 June 84
13 June 84
13 June 84
28 June 84
28 June 84
9 July 84
9 July 84
21 July 84
Elevation NGVD (M)
10
5
0
-5
-10
50
150
250
350
450
Distance from baseline (M)


FRF BEACH PROFILE/SEDIMENT STUDY
Profile Line 62
21 July 84
27 July 84
Erosion
Accretion
27 July 84
11 Aug 84
11 Aug 84
30 Aug 84
30 Aug 84
6 Sept 84
6 Sept 84
10 Sept 84
10 Sept 84
20 Sept 84
Elevation NGVD (M)
10
5
0
-5
-10
50
150
250
350
450
Distance from baseline (M)


FRF BEACH PROFILE/SEDIMENT STUDY
Profile Line 62
20 Sept 84
2 Oct 84
Erosion
Accretion
2 Oct 84
7 Oct 84
7 Oct 84
16 Oct 84
16 Oct 84
29 Oct 84
29 Oct 84
27 Nov 84
27 Nov 84
13 Dec 84
Elevation NGVD (M)
10
5
0
-5
-10
50
150
250
350
450
Distance from baseline (M)


FRF BEACH PROFILE/SEDIMENT STUDY
Profile Line 62
13 Dec 84
2 Jan 85
Erosion
Accretion
2 Jan 85
5 Jan 85
5 Jan 85
25 Jan 85
25 Jan 85
14 Feb 85
14 Feb 85
1 Mar 85
1 Mar 85
15 Mar 85
Elevation NGVD (M)
10
5
0
-5
-10
50
150
250
350
450
Distance from baseline (M)


FRF BEACH PROFILE/SEDIMENT STUDY
Profile Line 62
15 Mar 85
26 Mar 85
Erosion
Accretion
26 Mar 85
23 Apr 85
23 Apr 85
9 May 85
9 May 85
31 May 85
31 May 85
20 June 85
20 June 85
15 July 85
Elevation NGVD (M)
10
5
0
-5
-10
50
150
250
350
450
Distance from baseline (M)


FRF BEACH PROFILE/SEDIMENT STUDY
Profile Line 62
15 July 85
24 July 85
Erosion
Accretion
24 July 85
7 Aug 85
7 Aug 85
21 Aug 85
21 Aug 85
3 Sept 85
3 Sept 85
6 Sept 85
Elevation NGVD (M)
10
5
0
-5
-10
50
150
250
350
450
Distance from baseline (M)

APPENDIX B: SEDIMENT DATA

Appendix B contains the individual sample grain-size analysis data sheets. The Sample number identifies the location on the profile, and the Date identifies when the sample was taken. The code to understand the Sample number is as follows:

ex. Sample 6214101

62 = Profile Line 62 at the Field Research Facility (FRF)

141 = profile number (141 to 188)

01 = sample location on profile (1 to 17)

The X position is the position of Profile Line 62 on the FRF grid in feet. The Y position is across the profile, from the backstake to nearshore in feet. Each sample was a grab sample, and the Elevation to Top of Core represents the surface elevation on the profile where the sample was collected in feet. The table of sieve weights are in 1/4-phi intervals from 6.727 mm (-2.75 ϕ) to 0.016 mm (6.00 ϕ). Columns in the table are phi sieve size, corresponding millimetre equivalent, weight retained on each sieve in grams, weight percent (Percnt) of sample in each sieve, and the cumulative weight percent (Cumul Percnt) of sieves. The start weight was the initial weight of the sample before sieve analysis, and the final weight was the weight of the total sample after sieve analysis by sonic sifter. The percent deviation was the amount of sand lost or gained during analysis. Data also give the percentage by weight of each sediment type of either the Wentworth or the Unified Soils Classification. The standard statistical values of median, mean, standard deviation (Dev.), skewness (Skew), and kurtosis (Kurt) are given in phi units using the Method of Moments, Folk Graphic Measures, and millimetre conversions for median and mean. Output was generated by the Interactive Sediment Analysis sediment analysis program.

Table B1

Sediment Data

Survey No.	Sample No.	Date	Julian Day	Median (PHI)	Mean	S.D.
141	1	20MAR84	79	-0.43	-0.31	0.68
141	3	20MAR84	79	1.35	1.33	0.55
141	6	20MAR84	79	-1.93	-1.58	0.90
141	7	20MAR84	79	0.99	0.58	1.77
141	8	20MAR84	79	0.16	0.17	1.20
141	9	20MAR84	79	2.02	1.76	0.93
141	10	20MAR84	79	2.03	1.98	1.03
141	11	20MAR84	79	2.65	2.56	0.59
141	12	20MAR84	79	2.71	2.44	0.94
141	14	20MAR84	79	2.70	2.54	0.80
141	15	20MAR84	79	3.02	3.05	0.27
141	16	20MAR84	79	2.99	3.02	0.28
141	17	20MAR84	79	2.96	2.99	0.29
156	2	11AUG84	223	1.44	1.41	0.51
156	3	11AUG84	223	1.39	1.20	0.77
156	5	11AUG84	223	1.86	1.83	0.47
156	6	10AUG84	222	2.15	2.04	0.56
159	1	10SEP84	253	1.57	1.46	0.75
159	2	10SEP84	253	1.44	1.36	0.49
159	3	10SEP84	253	0.57	0.64	0.82
159	4	10SEP84	253	1.82	1.71	0.69
159	5	10SEP84	253	1.97	2.03	0.35
159	6	10SEP84	253	2.12	2.10	0.39
159	7	10SEP84	253	2.89	2.86	0.44
159	8	10SEP84	253	2.47	2.40	0.51
159	9	10SEP84	253	2.75	2.70	0.53
159	10	10SEP84	253	2.95	2.95	0.38
159	11	10SEP84	253	2.77	2.76	0.52
159	12	10SEP84	253	2.80	2.75	0.59
159	13	10SEP84	253	2.63	2.62	0.48
159	15	10SEP84	253	2.72	2.64	0.67
159	16	10SEP84	253	2.79	2.73	0.54
160	1	21SEP84	264	1.53	1.47	0.68
160	2	21SEP84	264	1.40	1.36	0.47
160	3	21SEP84	264	1.00	0.97	0.79
160	4	21SEP84	264	1.91	1.85	0.58
160	5	21SEP84	264	2.07	2.03	0.40
160	6	21SEP84	264	2.27	2.22	0.34
160	7	20SEP84	263	1.86	1.66	0.85
160	8	20SEP84	263	1.90	1.59	1.04
160	9	20SEP84	263	2.46	2.47	0.37
160	10	20SEP84	263	2.79	2.75	0.48

(Continued)

Table B1 (Continued)

Survey No.	Sample No.	Date	Julian Day	Median (PHI)	Mean	S.D.
160	11	20SEP84	263	2.96	2.92	0.56
160	12	12SEP84	255	2.75	2.63	0.70
160	13	20SEP84	263	2.45	2.30	0.83
160	14	20SEP84	263	2.78	2.81	0.36
160	15	20SEP84	263	2.86	2.89	0.33
160	16	20SEP84	263	2.89	2.92	0.34
160	17	20SEP84	263	2.90	2.94	0.35
161	1	02OCT84	275	1.55	1.45	0.79
161	2	02OCT84	275	1.48	1.48	0.51
161	3	02OCT84	275	0.45	0.57	0.94
161	4	02OCT84	275	-0.11	0.20	0.94
161	5	02OCT84	275	0.92	1.01	1.02
161	6	02OCT84	275	-0.74	-0.79	0.61
161	7	02OCT84	275	0.67	0.54	1.51
161	8	02OCT84	275	2.30	2.22	0.42
161	9	02OCT84	275	2.08	1.96	0.73
161	10	02OCT84	275	2.80	2.73	0.65
161	11	02OCT84	275	2.76	2.75	0.46
161	12	02OCT84	275	2.72	2.70	0.53
161	13	02OCT84	275	2.77	2.69	0.70
161	14	02OCT84	275	2.91	2.96	0.45
161	15	02OCT84	275	2.93	2.96	0.49
161	16	02OCT84	275	2.70	2.76	0.43
161	17	02OCT84	275	2.85	2.98	0.43
163	1	15OCT84	288	1.41	1.23	0.69
163	2	15OCT84	288	1.45	1.38	0.47
163	3	15OCT84	288	0.63	0.72	0.84
163	4	15OCT84	288	0.25	0.38	1.00
163	7	16OCT84	289	-0.86	-0.55	1.32
163	8	16OCT84	289	1.75	1.49	1.05
163	9	16OCT84	289	1.26	0.97	1.21
163	10	16OCT84	289	2.46	2.38	0.50
163	11	16OCT84	289	2.65	2.54	0.60
163	12	16OCT84	289	2.61	2.52	0.56
163	13	16OCT84	289	2.42	2.26	0.75
163	14	16OCT84	289	2.63	2.63	0.50
163	15	16OCT84	289	2.87	2.88	0.49
163	17	16OCT84	289	2.43	2.37	0.52
165	1	29OCT84	302	1.64	1.54	0.69
165	2	29OCT84	302	1.41	1.30	0.60
165	3	29OCT84	302	0.76	0.87	0.83
165	4	29OCT84	302	1.59	1.36	0.90
165	5	29OCT84	302	1.88	1.79	0.65
165	7	29OCT84	302	2.54	2.46	0.68

(Continued)

Table B1 (Continued)

Survey No.	Sample No.	Date	Julian Day	Median (PHI)	Mean	S.D.
165	8	29OCT84	302	2.27	2.03	0.68
165	9	29OCT84	302	2.46	2.44	0.54
165	10	29OCT84	302	2.56	2.55	0.50
165	11	29OCT84	302	2.85	2.64	0.83
165	12	29OCT84	302	2.71	2.47	1.08
165	13	29OCT84	302	2.75	2.68	0.73
165	14	29OCT84	302	2.81	2.80	0.61
165	15	29OCT84	302	2.91	2.96	0.39
165	16	29OCT84	302	2.94	2.98	0.54
165	17	29OCT84	302	3.05	3.11	0.35
167	2	27NOV84	331	1.47	1.43	0.49
167	3	27NOV84	331	0.61	0.74	0.86
167	4	27NOV84	331	1.62	1.52	0.61
167	5	27NOV84	331	1.44	1.09	0.93
167	6	27NOV84	331	0.05	0.19	0.79
167	7	27NOV84	331	2.25	2.27	0.43
167	8	27NOV84	331	2.04	2.08	0.53
167	9	27NOV84	331	2.61	2.52	0.56
167	10	27NOV84	331	2.75	2.70	0.45
167	11	27NOV84	331	2.90	2.82	0.61
167	12	27NOV84	331	2.83	2.67	0.97
167	13	27NOV84	331	2.83	2.77	0.68
167	14	27NOV84	331	2.93	2.94	0.49
167	15	27NOV84	331	3.01	3.05	0.34
167	16	27NOV84	331	3.00	3.04	0.35
167	17	27NOV84	331	2.96	3.00	0.32
169	2	02JAN85	367	1.08	1.05	0.83
169	3	02JAN85	367	0.80	0.88	0.87
169	4	02JAN85	367	0.96	0.52	1.41
169	5	02JAN85	367	2.10	1.91	0.87
169	6	02JAN85	367	1.96	1.69	0.95
169	7	02JAN85	367	1.47	1.14	0.97
169	8	02JAN85	367	2.55	2.49	0.50
169	9	02JAN85	367	2.73	2.64	0.65
169	10	02JAN85	367	2.75	2.66	0.66
169	11	02JAN85	367	2.86	2.62	0.96
169	12	02JAN85	367	2.86	2.72	0.84
169	13	02JAN85	367	2.89	2.85	0.59
169	14	02JAN85	367	2.78	2.35	1.32
169	15	02JAN85	367	2.95	2.72	1.18
169	16	02JAN85	367	3.01	3.04	0.36
169	17	02JAN85	367	3.00	3.02	0.40
170	1	05JAN85	370	1.41	1.34	0.66
170	2	05JAN85	370	1.54	1.49	0.52

(Continued)

Table B1 (Continued)

Survey No.	Sample No.	Date	Julian Day	Median (PHI)	Mean	S.D.
170	3	05JAN85	370	0.99	0.93	0.96
170	4	05JAN85	370	1.43	1.32	0.75
170	5	05JAN85	370	1.89	1.69	0.75
170	6	05JAN85	370	1.90	1.67	0.83
170	7	05JAN85	370	2.52	2.45	0.54
170	8	05JAN85	370	2.30	2.27	0.54
170	9	05JAN85	370	1.93	1.87	0.62
170	10	05JAN85	370	2.64	2.53	0.64
170	11	05JAN85	370	2.54	2.45	0.71
170	12	05JAN85	370	2.76	2.76	0.58
170	13	05JAN85	370	2.86	2.90	0.43
170	14	05JAN85	370	3.00	3.01	0.42
170	15	05JAN85	370	3.05	3.08	0.37
170	16	05JAN85	370	3.02	3.07	0.34
171	3	25JAN85	390	0.62	0.70	1.01
171	4	25JAN85	390	1.28	1.23	0.76
171	5	25JAN85	390	1.85	1.71	0.65
171	6	25JAN85	390	1.92	1.83	0.57
171	7	25JAN85	390	2.30	2.18	0.74
171	8	25JAN85	390	2.09	2.07	0.48
171	9	25JAN85	390	1.72	1.62	0.81
171	10	25JAN85	390	2.70	2.72	0.29
171	11	25JAN85	390	2.73	2.73	0.40
171	12	25JAN85	390	2.86	2.89	0.32
171	13	25JAN85	390	3.01	2.95	0.78
171	14	25JAN85	390	3.01	3.04	0.29
171	15	25JAN85	390	3.05	3.07	0.29
171	16	25JAN85	390	3.02	3.04	0.36
171	17	25JAN85	390	3.02	3.05	0.32
173	1	14FEB85	410	1.34	1.28	0.68
173	2	14FEB85	410	1.39	1.38	0.49
173	3	14FEB85	410	1.03	0.94	0.92
173	4	14FEB85	410	1.71	1.43	0.86
173	5	14FEB85	410	1.74	1.57	0.73
173	6	14FEB85	410	-1.37	-1.00	1.19
173	7	14FEB85	410	2.34	2.33	0.45
173	8	14FEB85	410	2.37	2.28	0.60
173	9	14FEB85	410	2.17	2.08	0.71
173	10	14FEB85	410	2.28	2.20	0.67
173	11	14FEB85	410	2.49	2.47	0.58
173	12	14FEB85	410	2.74	2.75	0.29
173	13	14FEB85	410	2.84	2.86	0.26
173	14	14FEB85	410	2.94	2.96	0.29
173	15	14FEB85	410	3.04	3.06	0.37

(Continued)

Table B1 (Continued)

Survey No.	Sample No.	Date	Julian Day	Median (PHI)	Mean	S.D.
173	16	14FEB85	410	3.09	3.13	0.31
173	17	14FEB85	410	3.07	3.13	0.34
174	3	01MAR85	425	0.97	0.88	1.02
174	4	01MAR85	425	1.61	1.42	0.75
174	5	01MAR85	425	2.13	2.04	0.60
174	6	01MAR85	425	2.01	1.79	0.84
174	7	01MAR85	425	2.38	2.34	0.50
174	8	01MAR85	425	2.29	2.19	0.59
174	9	01MAR85	425	2.48	2.44	0.58
174	10	01MAR85	425	2.41	2.32	0.67
174	11	01MAR85	425	2.70	2.56	0.79
174	12	01MAR85	425	2.71	2.71	0.35
174	13	01MAR85	425	2.75	2.75	0.29
174	14	01MAR85	425	2.91	2.92	0.26
174	15	01MAR85	425	3.06	3.08	0.30
174	16	01MAR85	425	3.10	3.13	0.31
174	17	01MAR85	425	3.06	3.11	0.32
175	3	15MAR85	439	0.04	0.34	0.95
175	4	15MAR85	439	1.44	1.27	0.80
175	5	15MAR85	439	1.92	1.69	0.92
175	6	15MAR85	439	1.55	1.40	0.77
175	7	15MAR85	439	2.31	2.24	0.49
175	8	15MAR85	439	2.26	2.18	0.66
175	9	15MAR85	439	2.46	2.38	0.54
175	10	15MAR85	439	2.71	2.63	0.58
175	11	15MAR85	439	2.75	2.66	0.70
175	12	15MAR85	439	2.65	2.68	0.29
175	13	15MAR85	439	2.63	2.66	0.31
175	14	15MAR85	439	2.84	2.86	0.27
175	15	15MAR85	439	3.00	3.01	0.25
175	16	15MAR85	439	3.06	3.09	0.29
175	17	15MAR85	439	3.05	3.09	0.30
179	3	09MAY85	494	0.76	0.80	0.91
179	4	09MAY85	494	1.95	1.65	1.04
179	5	09MAY85	494	1.93	1.60	0.92
179	6	09MAY85	494	2.10	2.04	0.49
179	7	09MAY85	494	2.45	2.43	0.39
179	8	09MAY85	494	2.09	2.04	0.54
179	9	09MAY85	494	2.20	2.01	0.77
179	10	09MAY85	494	2.70	2.66	0.43
179	12	09MAY85	494	2.67	2.56	0.69
179	13	09MAY85	494	2.52	2.48	0.54
179	14	09MAY85	494	2.71	2.71	0.42
179	15	09MAY85	494	2.93	2.93	0.38

(Continued)

Table B1 (Continued)

Survey No.	Sample No.	Date	Julian Day	Median (PHI)	Mean	S.D.
179	16	09MAY85	494	3.04	3.07	0.29
179	17	09MAY85	494	3.14	3.16	0.30
180	3	31MAY85	516	0.86	0.85	0.97
180	4	31MAY85	516	1.85	1.69	0.77
180	5	31MAY85	516	1.95	1.82	0.71
180	6	31MAY85	516	1.44	1.23	0.90
180	7	30MAY85	515	2.25	2.24	0.57
180	8	30MAY85	515	2.33	2.24	0.51
180	9	30MAY85	515	2.47	2.48	0.37
180	10	30MAY85	515	2.49	2.26	0.98
180	11	30MAY85	515	2.58	2.54	0.57
180	13	30MAY85	515	2.42	2.34	0.84
180	14	30MAY85	515	2.84	2.83	0.37
180	15	30MAY85	515	2.90	2.93	0.33
180	16	30MAY85	515	2.90	2.93	0.32
180	17	30MAY85	515	3.06	3.08	0.39
181	2	20JUN85	536	1.49	1.46	0.50
181	3	20JUN85	536	0.83	0.82	0.96
181	4	20JUN85	536	1.90	1.58	1.01
181	5	20JUN85	536	1.95	1.83	0.63
181	6	20JUN85	536	1.94	1.37	1.21
181	7	20JUN85	536	1.99	1.88	0.65
181	8	20JUN85	536	2.53	2.43	0.50
181	9	20JUN85	536	2.40	2.24	0.70
181	10	20JUN85	536	2.61	2.56	0.44
181	11	20JUN85	536	2.60	2.51	0.57
181	12	20JUN85	536	2.53	2.45	0.59
181	13	20JUN85	536	2.53	2.47	0.59
181	14	20JUN85	536	2.69	2.75	0.38
181	15	20JUN85	536	2.84	2.88	0.32
181	16	20JUN85	536	2.79	2.85	0.28
181	17	20JUN85	536	2.90	2.95	0.35
182	2	15JUL85	561	1.49	1.46	0.55
182	3	15JUL85	561	0.37	0.63	0.97
182	4	15JUL85	561	1.75	1.37	1.05
182	5	15JUL85	561	1.63	1.54	0.59
182	6	15JUL85	561	-1.47	-1.16	1.05
182	7	15JUL85	561	2.33	2.31	0.47
182	8	15JUL85	561	2.03	1.91	0.75
182	9	15JUL85	561	2.31	2.25	0.56
182	10	15JUL85	561	2.65	2.54	0.59
182	11	15JUL85	561	2.74	2.77	0.41
182	12	15JUL85	561	2.60	2.51	0.71
182	13	15JUL85	561	2.44	2.36	0.74

(Continued)

Table B1 (Concluded)

Survey No.	Sample No.	Date	Julian Day	Median (PHI)	Mean	S.D.
182	14	15JUL85	561	2.65	2.66	0.39
182	15	15JUL85	561	2.70	2.73	0.32
182	16	15JUL85	561	2.91	2.96	0.30
182	17	15JUL85	561	2.97	3.01	0.32
184	1	15JUL85	561	1.30	1.28	0.69
184	2	08AUG85	585	1.30	1.28	0.65
184	3	08AUG85	585	1.45	1.36	0.71
184	4	08AUG85	585	1.91	1.70	0.75
184	5	07AUG85	584	1.49	1.37	0.75
184	6	07AUG85	584	1.86	1.73	0.61
184	7	07AUG85	584	2.69	2.69	0.31
184	8	07AUG85	584	1.46	1.33	0.90
184	9	07AUG85	584	2.28	2.11	0.73
184	10	07AUG85	584	2.66	2.66	0.45
184	11	07AUG85	584	2.82	2.81	0.42
184	12	07AUG85	584	2.56	2.58	0.49
184	13	07AUG85	584	2.48	2.54	0.56
184	14	07AUG85	584	2.98	2.99	0.35
184	15	07AUG85	584	2.94	2.90	0.59
184	16	07AUG85	584	3.04	3.08	0.33
184	17	07AUG85	584	3.05	3.09	0.31
186	1	21AUG85	598	1.35	1.33	0.62
186	2	21AUG85	598	1.47	1.47	0.52
186	3	21AUG85	598	0.39	0.60	0.96
186	4	21AUG85	598	1.89	1.68	0.78
186	5	21AUG85	598	1.65	1.45	0.81
186	6	21AUG85	598	1.65	1.28	1.04
186	7	21AUG85	598	1.92	1.52	1.11
186	8	21AUG85	598	2.46	2.39	0.52
186	9	21AUG85	598	2.42	2.44	0.40
186	10	21AUG85	598	2.70	2.68	0.43
186	11	21AUG85	598	2.76	2.78	0.49
186	12	21AUG85	598	2.61	2.64	0.45
186	13	21AUG85	598	2.55	2.56	0.48
186	14	21AUG85	598	2.83	2.87	0.36
186	15	21AUG85	598	2.96	2.97	0.34
186	16	21AUG85	598	3.02	3.04	0.31
186	17	21AUG85	598	3.09	3.11	0.31
188	2	06SEP85	614	1.46	1.45	0.50
188	3	06SEP85	614	0.77	0.84	0.95
188	4	06SEP85	614	1.86	1.64	0.83
188	5	06SEP85	614	1.89	1.83	0.50
188	6	06SEP85	614	2.19	2.16	0.38
188	7	06SEP85	614	2.58	2.54	0.53

(Continued)

Table B1 (Concluded)

Survey No.	Sample No.	Date	Julian Day	Median (PHI)	Mean	S.D.
188	8	06SEP85	614	2.47	2.39	0.66
188	9	06SEP85	614	2.50	2.44	0.59
188	10	06SEP85	614	2.70	2.63	0.71
188	11	06SEP85	614	2.76	2.79	0.44
188	12	06SEP85	614	2.52	2.48	0.63
188	13	06SEP85	614	2.63	2.65	0.48
188	14	06SEP85	614	2.84	2.80	0.62
188	15	06SEP85	614	3.01	3.01	0.33
188	16	06SEP85	614	3.06	3.10	0.31
188	17	06SEP85	614	3.07	3.10	0.32

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214101	840320		860311	LSC

X Position : 3300.00 Y Position : 165.00

Elevation of Top of Core : 20.50
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 61.200 Final Weight : 61.193 Deviation : 0.011 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.661	1.080	98.459
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.428	0.699	99.158
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.233	0.381	99.539
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.110	0.180	99.719
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.043	0.070	99.789
-1.50	2.828	0.361	0.590	0.590	3.00	0.125	0.043	0.070	99.859
-1.25	2.378	1.438	2.350	2.940	3.25	0.105	0.043	0.070	99.930
-1.00	2.000	5.250	8.579	11.519	3.50	0.088	0.000	0.000	99.930
-0.75	1.682	7.741	12.650	24.169	3.75	0.074	0.031	0.051	99.980
-0.50	1.414	12.158	19.868	44.038	4.00	0.063	0.012	0.020	100.000
-0.25	1.189	11.198	18.299	62.337	4.25	0.053	0.000	0.000	100.000
0.00	1.000	7.698	12.580	74.917	4.50	0.044	0.000	0.000	100.000
0.25	0.841	5.893	9.630	84.547	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.072	5.020	89.567	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.879	3.071	92.638	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.530	2.500	95.138	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.820	1.340	96.478	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.551	0.900	97.379	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	11.519	83.619	4.020	0.842	0.000	0.000
Unified Classification	0.000	11.519	84.959	3.502	0.020	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		-0.31	0.68	1.31	5.98
Folk Graphic Measures (PHI)	-0.42	-0.36	0.62	0.22	1.20
Grain Size (mm)	1.34	1.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214102	840320		860311	LSC

X Position : 3300.00 Y Position : 195.00

Elevation of Top of Core : 11.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.740 Final Weight : 50.770 Deviation : 0.059 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.899	1.771	97.768
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.538	1.060	98.828
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.269	0.530	99.358
-2.00	4.000	0.609	1.200	1.200	2.50	0.177	0.112	0.221	99.578
-1.75	3.364	0.462	0.910	2.110	2.75	0.149	0.041	0.081	99.659
-1.50	2.828	1.691	3.331	5.440	3.00	0.125	0.041	0.081	99.740
-1.25	2.378	3.630	7.150	12.590	3.25	0.105	0.051	0.100	99.840
-1.00	2.000	6.691	13.179	25.769	3.50	0.088	0.030	0.059	99.900
-0.75	1.682	6.722	13.240	39.009	3.75	0.074	0.041	0.081	99.980
-0.50	1.414	9.946	19.590	58.600	4.00	0.063	0.010	0.020	100.000
-0.25	1.189	6.788	13.370	71.970	4.25	0.053	0.000	0.000	100.000
0.00	1.000	3.442	6.780	78.749	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.818	5.551	84.300	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.680	3.309	87.609	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.239	2.440	90.049	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.340	2.639	92.689	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.929	1.830	94.518	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.751	1.479	95.998	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	25.769	66.919	6.139	1.172	0.000	0.000
Unified Classification	0.000	25.769	68.749	5.462	0.020	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		-0.46	0.84	1.18	4.97
Folk Graphic Measures (PHI)	-0.61	-0.52	0.79	0.27	1.34
Grain Size (mm)	1.53	1.38			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214103	840320		860313	LSC

X Position : 3300.00 Y Position : 225.00

Elevation of Top of Core : 13.63
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.470 Final Weight : 57.471 Deviation : 0.002 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.529	16.581	74.538
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.483	14.760	89.299
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.942	6.859	96.158
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.569	2.730	98.888
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.443	0.771	99.659
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.138	0.240	99.899
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.052	0.090	99.990
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	99.990
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.052	0.090	0.090	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.511	0.889	0.980	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.471	4.300	5.279	5.00	0.031	0.000	0.000	100.000
0.75	0.595	6.448	11.220	16.499	5.25	0.026	0.000	0.000	100.000
1.00	0.500	9.218	16.039	32.538	5.50	0.022	0.000	0.000	100.000
1.25	0.420	7.230	12.580	45.118	5.75	0.019	0.000	0.000	100.000
1.50	0.354	7.379	12.840	57.958	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	32.538	56.761	10.701	0.000	0.000
Unified Classification	0.000	0.000	45.118	54.871	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.33	0.55	0.08	2.37
Folk Graphic Measures (PHI)	1.35	1.33	0.55	-0.02	0.81
Grain Size (mm)	0.39	0.40			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214106	840320		860310	LSC

X Position : 3300.00 Y Position : 325.00

Elevation of Top of Core : 3.44
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 46.340 Final Weight : 46.350 Deviation : 0.022 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.269	0.580	97.588
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.408	0.880	98.468
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.218	0.470	98.939
-2.00	4.000	21.645	46.699	46.699	2.50	0.177	0.311	0.671	99.609
-1.75	3.364	6.229	13.439	60.138	2.75	0.149	0.130	0.280	99.890
-1.50	2.828	5.988	12.919	73.057	3.00	0.125	0.051	0.110	100.000
-1.25	2.378	3.981	8.589	81.646	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	2.021	4.360	86.006	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	1.340	2.891	88.898	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.131	2.440	91.338	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.630	1.359	92.697	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.450	0.971	93.668	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.468	1.010	94.677	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.241	0.520	95.197	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.218	0.470	95.668	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.232	0.501	96.168	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.111	0.239	96.408	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.278	0.600	97.008	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	86.006	10.162	2.300	1.532	0.000	0.000
Unified Classification	0.000	86.006	10.401	3.592	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		-1.58	0.90	2.64	10.35
Folk Graphic Measures (PHI)	-1.94	-1.74	0.66	0.68	1.60
Grain Size (mm)	3.83	3.00			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214107	840320		860311	LSC

X Position : 3300.00 Y Position : 425.00

Elevation of Top of Core : 6.25
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : FINE - IRON FLAKES FOUND THROUGHOUT

Start Weight : 21.980 Final Weight : 21.981 Deviation : 0.005 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.820	3.730	58.018
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.769	8.048	66.066
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.501	6.829	72.895
-2.00	4.000	1.969	8.958	8.958	2.50	0.177	3.007	13.680	86.575
-1.75	3.364	0.769	3.498	12.456	2.75	0.149	1.961	8.921	95.496
-1.50	2.828	1.051	4.781	17.238	3.00	0.125	0.811	3.690	99.186
-1.25	2.378	1.459	6.638	23.875	3.25	0.105	0.141	0.641	99.827
-1.00	2.000	1.150	5.232	29.107	3.50	0.088	0.031	0.141	99.968
-0.75	1.682	0.831	3.781	32.887	3.75	0.074	0.000	0.000	99.968
-0.50	1.414	1.011	4.599	37.487	4.00	0.063	0.007	0.032	100.000
-0.25	1.189	0.690	3.139	40.626	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.521	2.370	42.996	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.490	2.229	45.225	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.321	1.460	46.686	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.341	1.551	48.237	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.400	1.820	50.057	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.251	1.142	51.199	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.679	3.089	54.288	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	29.107	20.950	16.009	33.934	0.000	0.000
Unified Classification	0.000	29.107	22.092	48.769	0.032	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.58	1.77	-0.20	1.43
Folk Graphic Measures (PHI)	0.99	0.63	1.74	-0.28	0.57
Grain Size (mm)	0.50	0.67			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214108	840320		860311	LSC

X Position : 3300.00 Y Position : 650.00

Elevation of Top of Core : -9.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.890 Final Weight : 60.952 Deviation : 0.102 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.353	3.860	89.520
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.493	4.090	93.610
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.128	1.851	95.460
-2.00	4.000	3.218	5.280	5.280	2.50	0.177	1.670	2.740	98.200
-1.75	3.364	1.012	1.660	6.940	2.75	0.149	0.792	1.299	99.500
-1.50	2.828	1.640	2.691	9.631	3.00	0.125	0.262	0.430	99.929
-1.25	2.378	2.682	4.400	14.031	3.25	0.105	0.043	0.071	100.000
-1.00	2.000	2.353	3.860	17.891	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	2.779	4.559	22.450	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	4.413	7.240	29.691	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	4.638	7.609	37.300	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.187	6.869	44.169	4.50	0.044	0.000	0.000	100.000
0.25	0.841	5.510	9.040	53.209	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.011	6.581	59.790	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.462	7.321	67.110	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.028	8.249	75.359	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.060	3.380	78.739	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.218	6.920	85.659	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	17.891	57.468	18.250	6.390	0.000	0.000
Unified Classification	0.000	17.891	60.848	21.261	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.17	1.20	-0.02	2.35
Folk Graphic Measures (PHI)	0.16	0.16	1.28	-0.02	1.04
Grain Size (mm)	0.89	0.89			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214109	840320		860311	LSC

X Position : 3300.00 Y Position : 725.00

Elevation of Top of Core : -7.50
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 64.740 Final Weight : 64.850 Deviation : 0.170 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.728	7.291	33.431
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.149	15.650	49.081
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.760	15.050	64.131
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	13.871	21.389	85.520
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.498	10.020	95.540
-1.50	2.828	0.123	0.190	0.190	3.00	0.125	2.322	3.581	99.121
-1.25	2.378	0.422	0.651	0.840	3.25	0.105	0.363	0.560	99.681
-1.00	2.000	0.467	0.720	1.561	3.50	0.088	0.071	0.109	99.790
-0.75	1.682	0.927	1.429	2.990	3.75	0.074	0.097	0.150	99.940
-0.50	1.414	1.083	1.670	4.660	4.00	0.063	0.039	0.060	100.000
-0.25	1.189	1.109	1.710	6.370	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.947	1.460	7.830	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.297	2.000	9.830	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.051	1.621	11.451	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.388	2.140	13.591	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.192	3.380	16.971	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.407	2.170	19.141	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.539	6.999	26.140	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.561	15.411	32.109	50.919	0.000	0.000
Unified Classification	0.000	1.561	17.581	80.799	0.060	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.76	0.93	-1.44	4.72
Folk Graphic Measures (PHI)	2.02	1.81	0.87	-0.47	1.42
Grain Size (mm)	0.25	0.30			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214110	840320		860311	LSC

X Position : 3300.00 Y Position : 800.00

Elevation of Top of Core : -7.80
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.570 Final Weight : 51.531 Deviation : 0.076 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.519	10.710	38.381
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.380	10.440	48.821
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.998	9.699	58.520
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.442	8.620	67.140
-1.75	3.364	0.170	0.330	0.330	2.75	0.149	2.860	5.550	72.690
-1.50	2.828	0.129	0.250	0.580	3.00	0.125	4.370	8.480	81.171
-1.25	2.378	0.062	0.120	0.701	3.25	0.105	5.369	10.419	91.590
-1.00	2.000	0.088	0.171	0.871	3.50	0.088	2.680	5.201	96.790
-0.75	1.682	0.268	0.520	1.391	3.75	0.074	1.139	2.210	99.001
-0.50	1.414	0.500	0.970	2.362	4.00	0.063	0.515	0.999	100.000
-0.25	1.189	0.587	1.139	3.501	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.531	1.030	4.531	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.788	1.529	6.060	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.108	2.150	8.211	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.479	2.870	11.081	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.659	5.160	16.241	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.752	5.340	21.581	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.138	6.090	27.671	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.871	15.369	32.580	51.179	0.000	0.000
Unified Classification	0.000	0.871	20.710	77.419	0.999	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.98	1.03	-0.69	3.56
Folk Graphic Measures (PHI)	2.03	2.03	1.03	-0.09	0.96
Grain Size (mm)	0.24	0.25			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214111	840320		860311	LSC

X Position : 3300.00 Y Position : 1000.00

Elevation of Top of Core : -14.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : FINE

Start Weight : 52.230 Final Weight : 52.259 Deviation : 0.056 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.470	0.899	5.337
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.941	1.801	7.138
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.932	5.611	12.748
-2.00	4.000	0.141	0.270	0.270	2.50	0.177	10.191	19.501	32.249
-1.75	3.364	0.000	0.000	0.270	2.75	0.149	15.861	30.351	62.600
-1.50	2.828	0.042	0.080	0.350	3.00	0.125	13.718	26.250	88.850
-1.25	2.378	0.000	0.000	0.350	3.25	0.105	4.270	8.171	97.021
-1.00	2.000	0.000	0.000	0.350	3.50	0.088	1.348	2.579	99.600
-0.75	1.682	0.068	0.130	0.480	3.75	0.074	0.172	0.329	99.929
-0.50	1.414	0.057	0.109	0.589	4.00	0.063	0.037	0.071	100.000
-0.25	1.189	0.078	0.149	0.739	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.099	0.189	0.928	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.188	0.360	1.288	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.282	0.540	1.827	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.392	0.750	2.578	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.429	0.821	3.398	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.282	0.540	3.938	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.261	0.499	4.438	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.350	3.048	3.739	92.862	0.000	0.000
Unified Classification	0.000	0.350	3.588	95.991	0.071	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.56	0.59	-3.34	20.47
Folk Graphic Measures (PHI)	2.65	2.63	0.40	-0.18	1.36
Grain Size (mm)	0.16	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214112	840320		860313	LSC

X Position : 3300.00 Y Position : 1300.00

Elevation of Top of Core : -13.60
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.690 Final Weight : 50.841 Deviation : 0.298 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.032	2.030	16.201
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.698	3.340	19.541
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.660	7.199	26.740
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.340	12.470	39.210
-1.75	3.364	0.219	0.431	0.431	2.75	0.149	6.472	12.730	51.940
-1.50	2.828	0.000	0.000	0.431	3.00	0.125	9.624	18.930	70.870
-1.25	2.378	0.051	0.100	0.531	3.25	0.105	8.917	17.539	88.409
-1.00	2.000	0.102	0.201	0.732	3.50	0.088	4.032	7.931	96.340
-0.75	1.682	0.122	0.240	0.972	3.75	0.074	1.729	3.401	99.740
-0.50	1.414	0.188	0.370	1.341	4.00	0.063	0.132	0.260	100.000
-0.25	1.189	0.280	0.551	1.892	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.330	0.649	2.541	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.610	1.200	3.741	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.951	1.871	5.612	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.312	2.581	8.192	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.530	3.009	11.202	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.829	1.631	12.832	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.681	1.339	14.172	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.732	10.470	8.340	80.459	0.000	0.000
Unified Classification	0.000	0.732	12.100	86.908	0.260	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.44	0.94	-1.64	5.91
Folk Graphic Measures (PHI)	2.71	2.54	0.83	-0.43	1.43
Grain Size (mm)	0.15	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214114	840320		860312	LSC

X Position : 3300.00 Y Position : 1650.00

Elevation of Top of Core : -16.70
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : FINE

Start Weight : 59.500 Final Weight : 59.390 Deviation : 0.185 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.283	2.160	11.810
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.082	5.189	16.999
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.541	9.330	26.329
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.499	14.310	40.640
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.097	11.950	52.590
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.710	16.350	68.939
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	10.209	17.190	86.129
-1.00	2.000	0.030	0.051	0.051	3.50	0.088	4.650	7.830	93.959
-0.75	1.682	0.030	0.051	0.101	3.75	0.074	2.483	4.181	98.139
-0.50	1.414	0.030	0.051	0.152	4.00	0.063	1.105	1.861	100.000
-0.25	1.189	0.202	0.340	0.492	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.249	0.419	0.911	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.612	1.030	1.941	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.748	1.259	3.201	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.188	2.000	5.201	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.241	2.090	7.291	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.540	0.909	8.200	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.861	1.450	9.650	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.051	7.240	9.709	83.001	0.000	0.000
Unified Classification	0.000	0.051	8.150	89.939	1.861	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.54	0.80	-1.26	4.87
Folk Graphic Measures (PHI)	2.70	2.62	0.75	-0.28	1.33
Grain Size (mm)	0.15	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214115	840320		860312	LSC

X Position : 3300.00 Y Position : 2000.00

Elevation of Top of Core : -20.40
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : FINE

Start Weight : 50.210 Final Weight : 50.169 Deviation : 0.082 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.030	0.060	0.060
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.080	0.159	0.219
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.682	1.359	1.579
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.868	7.710	9.289
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	18.352	36.580	45.869
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	17.449	34.780	80.649
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	6.939	13.831	94.481
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.192	4.369	98.850
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.577	1.150	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	0.000	0.060	99.940	0.000	0.000
Unified Classification	0.000	0.000	0.000	98.850	1.150	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.05	0.27	0.30	3.76
Folk Graphic Measures (PHI)	3.03	3.05	0.27	0.09	1.07
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214116	840320		860313	LSC

X Position : 3300.00 Y Position : 2700.00

Elevation of Top of Core : -25.10
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : FINE

Start Weight : 51.850 Final Weight : 51.521 Deviation : 0.635 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.031	0.060	0.060
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.160	0.311	0.371
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.629	1.221	1.592
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.833	9.381	10.972
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	21.530	41.789	52.761
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	15.430	29.949	82.710
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	5.291	10.270	92.980
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.880	5.590	98.570
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.737	1.430	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.060	99.940	0.000	0.000
Unified Classification	0.000	0.000	0.000	98.570	1.430	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.02	0.28	0.52	3.88
Folk Graphic Measures (PHI)	2.98	3.01	0.28	0.20	1.16
Grain Size (mm)	0.13	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6214117	840320		860313	LSC

X Position : 3300.00 Y Position : 3000.00

Elevation of Top of Core : -26.70
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : FINE

Start Weight : 60.860 Final Weight : 60.761 Deviation : 0.163 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.030	0.049	0.170
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.073	0.120	0.290
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.231	0.380	0.670
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.312	2.159	2.829
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.927	11.400	14.230
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	26.072	42.909	57.139
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	16.430	27.040	84.179
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	6.678	10.991	95.170
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.631	4.330	99.500
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.304	0.500	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.043	0.071	0.071	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.030	0.049	0.120	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.120	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.071	0.219	99.710	0.000	0.000
Unified Classification	0.000	0.000	0.120	99.380	0.500	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.99	0.29	-0.20	6.52
Folk Graphic Measures (PHI)	2.96	2.99	0.27	0.16	1.10
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215602	840811		850824	SGU

X Position : 3300.00 Y Position : 195.00

Elevation of Top of Core : 18.03
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY BEST LINEAR FIT, 27 JUN 86

Start Weight : 59.070 Final Weight : 58.999 Deviation : 0.120 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	10.537	17.860	74.639
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.121	15.460	90.098
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.679	4.541	94.639
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.348	3.980	98.619
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.608	1.031	99.649
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.142	0.241	99.890
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.041	0.069	99.959
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.012	0.020	99.980
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.012	0.020	100.000
-0.50	1.414	0.041	0.069	0.069	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.059	0.100	0.169	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.183	0.310	0.480	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.519	0.880	1.359	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.510	2.559	3.919	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.670	6.220	10.139	5.25	0.026	0.000	0.000	100.000
1.00	0.500	6.708	11.370	21.509	5.50	0.022	0.000	0.000	100.000
1.25	0.420	9.593	16.260	37.768	5.75	0.019	0.000	0.000	100.000
1.50	0.354	11.216	19.010	56.779	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	21.509	68.589	9.902	0.000	0.000
Unified Classification	0.000	0.000	37.768	62.232	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.40	0.52	-0.08	3.22
Folk Graphic Measures (PHI)	1.41	1.40	0.52	-0.02	1.01
Grain Size (mm)	0.38	0.38			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215603	840811		850827	SGU

X Position : 3300.00 Y Position : 219.00

Elevation of Top of Core : 14.34
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY BEST LINEAR FIT; 27 JUN 86

Start Weight : 64.950 Final Weight : 64.832 Deviation : 0.182 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.498	14.650	75.930
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.843	13.640	89.570
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.937	4.530	94.100
-2.00	4.000	0.143	0.221	0.221	2.50	0.177	2.807	4.330	98.430
-1.75	3.364	0.143	0.221	0.441	2.75	0.149	0.733	1.131	99.560
-1.50	2.828	0.000	0.000	0.441	3.00	0.125	0.220	0.339	99.900
-1.25	2.378	0.298	0.460	0.901	3.25	0.105	0.052	0.080	99.980
-1.00	2.000	0.162	0.250	1.151	3.50	0.088	0.013	0.020	100.000
-0.75	1.682	0.493	0.760	1.911	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.791	1.220	3.131	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.219	1.880	5.011	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.407	2.170	7.182	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.619	4.040	11.221	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.332	5.139	16.361	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.687	7.229	23.590	5.25	0.026	0.000	0.000	100.000
1.00	0.500	7.877	12.150	35.740	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.558	7.030	42.771	5.75	0.019	0.000	0.000	100.000
1.50	0.354	12.000	18.509	61.280	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	1.151	34.589	53.830	10.430	0.000	0.000
Unified Classification	0.000	1.151	41.620	57.229	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.20	0.77	-0.89	4.32
Folk Graphic Measures (PHI)	1.35	1.24	0.74	-0.24	1.10
Grain Size (mm)	0.39	0.43			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215604	840811		850827	SGU

X Position : 3300.00 Y Position : 250.00

Elevation of Top of Core : 7.41
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY BEST LINEAR FIT; 27 JUN 86

Start Weight : 54.320 Final Weight : 54.150 Deviation : 0.313 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.572	15.830	67.660
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.747	18.000	85.660
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.682	6.800	92.460
-2.00	4.000	0.011	0.020	0.020	2.50	0.177	3.059	5.649	98.109
-1.75	3.364	0.000	0.000	0.020	2.75	0.149	0.850	1.570	99.679
-1.50	2.828	0.249	0.460	0.480	3.00	0.125	0.141	0.260	99.939
-1.25	2.378	0.211	0.390	0.870	3.25	0.105	0.022	0.041	99.980
-1.00	2.000	0.271	0.500	1.370	3.50	0.088	0.011	0.020	100.000
-0.75	1.682	0.379	0.700	2.070	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.791	1.461	3.531	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.078	1.991	5.522	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.132	2.090	7.612	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.727	3.189	10.801	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.171	4.009	14.811	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.772	5.119	19.930	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.312	9.810	29.740	5.50	0.022	0.000	0.000	100.000
1.25	0.420	5.437	10.041	39.780	5.75	0.019	0.000	0.000	100.000
1.50	0.354	6.525	12.050	51.830	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.370	28.369	55.921	14.340	0.000	0.000
Unified Classification	0.000	1.370	38.410	60.220	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.30	0.79	-0.99	4.09
Folk Graphic Measures (PHI)	1.46	1.33	0.76	-0.30	1.13
Grain Size (mm)	0.36	0.41			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215605	840811		850827	SGU

X Position : 3300.00 Y Position : 292.00

Elevation of Top of Core : 6.49
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING; 27 JUN 86

Start Weight : 50.050 Final Weight : 49.782 Deviation : 0.535 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.268	16.608	37.158
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	13.894	27.910	65.068
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.801	15.670	80.738
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.552	15.170	95.908
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.658	3.331	99.239
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.319	0.641	99.879
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.050	0.100	99.980
-1.00	2.000	0.010	0.020	0.020	3.50	0.088	0.010	0.020	100.000
-0.75	1.682	0.000	0.000	0.020	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.000	0.000	0.020	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.040	0.080	0.100	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.070	0.141	0.241	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.149	0.299	0.540	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.249	0.500	1.041	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.662	1.330	2.370	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.812	3.640	6.010	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.449	2.911	8.921	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.789	11.629	20.550	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.020	5.990	59.057	34.932	0.000	0.000
Unified Classification	0.000	0.020	8.901	91.079	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.83	0.47	-0.76	4.49
Folk Graphic Measures (PHI)	1.87	1.86	0.46	-0.11	1.08
Grain Size (mm)	0.27	0.28			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215606	840810		850827	SGU

X Position : 3300.00 Y Position : 324.00

Elevation of Top of Core : 1.66
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.610 Final Weight : 52.330 Deviation : 0.532 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.118	7.869	17.479
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.759	20.560	38.039
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.272	19.629	57.669
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	17.892	34.191	91.859
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.072	5.870	97.730
-1.50	2.828	0.078	0.149	0.149	3.00	0.125	0.879	1.680	99.410
-1.25	2.378	0.152	0.290	0.440	3.25	0.105	0.241	0.461	99.870
-1.00	2.000	0.078	0.149	0.589	3.50	0.088	0.068	0.130	100.000
-0.75	1.682	0.110	0.210	0.799	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.131	0.250	1.049	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.152	0.290	1.340	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.131	0.250	1.590	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.199	0.380	1.970	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.241	0.461	2.431	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.319	0.610	3.040	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.680	1.299	4.340	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.628	1.200	5.540	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.130	4.070	9.610	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.589	3.751	33.700	61.961	0.000	0.000
Unified Classification	0.000	0.589	4.951	94.460	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.04	0.56	-2.64	14.25
Folk Graphic Measures (PHI)	2.15	2.10	0.41	-0.29	1.15
Grain Size (mm)	0.22	0.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215901	840910		850828	TAY

X Position : 3300.00 Y Position : 168.70

Elevation of Top of Core : 20.79
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY,BLOWING WIND & RAIN

Start Weight : 52.230 Final Weight : 51.760 Deviation : 0.900 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.972	13.470	59.648
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.670	16.750	76.399
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.612	8.910	85.309
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.223	10.091	95.400
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.651	3.190	98.590
-1.50	2.828	0.041	0.079	0.079	3.00	0.125	0.549	1.061	99.650
-1.25	2.378	0.072	0.139	0.218	3.25	0.105	0.150	0.290	99.940
-1.00	2.000	0.031	0.060	0.278	3.50	0.088	0.031	0.060	100.000
-0.75	1.682	0.062	0.120	0.398	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.280	0.541	0.939	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.471	0.910	1.849	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.828	1.600	3.449	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.941	3.750	7.199	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.422	4.679	11.878	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.251	6.281	18.159	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.062	9.780	27.939	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.650	5.120	33.058	5.75	0.019	0.000	0.000	100.000
1.50	0.354	6.791	13.120	46.179	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.278	27.660	48.460	23.601	0.000	0.000
Unified Classification	0.000	0.278	32.780	66.942	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.46	0.75	-0.57	3.12
Folk Graphic Measures (PHI)	1.57	1.48	0.75	-0.20	0.93
Grain Size (mm)	0.34	0.36			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215902	840910		850828	NT

X Position : 3300.00 Y Position : 192.90

Elevation of Top of Core : 18.34
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.830 Final Weight : 55.672 Deviation : 0.283 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.091	16.330	80.920
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	6.608	11.870	92.790
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.882	3.381	96.170
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.681	3.019	99.190
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.379	0.681	99.871
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.072	0.129	100.000
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.128	0.230	0.230	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.223	0.401	0.630	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.301	0.541	1.171	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.518	0.930	2.102	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.080	1.940	4.042	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.622	4.710	8.751	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.078	14.510	23.261	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.699	8.441	31.702	5.75	0.019	0.000	0.000	100.000
1.50	0.354	18.310	32.889	64.591	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	23.261	69.529	7.210	0.000	0.000
Unified Classification	0.000	0.000	31.702	68.298	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.36	0.49	-0.39	4.19
Folk Graphic Measures (PHI)	1.39	1.36	0.48	-0.07	1.09
Grain Size (mm)	0.38	0.39			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215903	840910		850829	TAY

X Position : 3300.00 Y Position : 227.80

Elevation of Top of Core : 12.82
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY, BLOWING WIND & RAIN

Start Weight : 56.480 Final Weight : 56.341 Deviation : 0.246 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.133	5.561	89.299
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.958	5.250	94.549
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.980	1.739	96.289
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.538	2.730	99.018
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.423	0.751	99.769
-1.50	2.828	0.130	0.231	0.231	3.00	0.125	0.130	0.231	100.000
-1.25	2.378	0.259	0.460	0.690	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	0.552	0.980	1.670	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.738	1.310	2.980	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	2.051	3.640	6.620	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	3.651	6.480	13.101	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.738	8.410	21.510	4.50	0.044	0.000	0.000	100.000
0.25	0.841	7.172	12.730	34.240	4.75	0.037	0.000	0.000	100.000
0.50	0.707	7.088	12.581	46.820	5.00	0.031	0.000	0.000	100.000
0.75	0.595	6.400	11.359	58.180	5.25	0.026	0.000	0.000	100.000
1.00	0.500	7.138	12.669	70.849	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.820	3.230	74.079	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.442	9.659	83.738	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	1.670	69.179	23.700	5.451	0.000	0.000
Unified Classification	0.000	1.670	72.409	25.921	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.64	0.82	0.21	2.70
Folk Graphic Measures (PHI)	0.57	0.64	0.82	0.12	0.91
Grain Size (mm)	0.67	0.64			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215904	840910		850829	TAY

X Position : 3300.00 Y Position : 260.70

Elevation of Top of Core : 7.34
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 57.050 Final Weight : 56.971 Deviation : 0.138 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.688	15.250	42.641
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	14.493	25.439	68.080
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.250	10.970	79.051
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.098	15.970	95.020
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.920	3.370	98.390
-1.50	2.828	0.171	0.300	0.300	3.00	0.125	0.741	1.301	99.691
-1.25	2.378	0.103	0.181	0.481	3.25	0.105	0.148	0.260	99.951
-1.00	2.000	0.199	0.349	0.830	3.50	0.088	0.028	0.049	100.000
-0.75	1.682	0.171	0.300	1.130	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.370	0.649	1.780	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.422	0.741	2.521	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.399	0.700	3.221	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.649	1.139	4.360	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.849	1.490	5.850	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.071	1.880	7.730	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.689	4.720	12.450	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.379	2.421	14.871	5.75	0.019	0.000	0.000	100.000
1.50	0.354	7.133	12.520	27.391	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.830	11.620	55.630	31.920	0.000	0.000
Unified Classification	0.000	0.830	14.040	85.129	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.71	0.69	-1.60	7.07
Folk Graphic Measures (PHI)	1.82	1.81	0.59	-0.20	1.24
Grain Size (mm)	0.28	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215905	840910		850829	TAY

X Position : 3300.00 Y Position : 294.80

Elevation of Top of Core : 3.00
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 55.510 Final Weight : 55.202 Deviation : 0.555 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.872	14.260	19.220
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	19.077	34.559	53.779
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.019	18.150	71.929
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.681	19.349	91.277
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.500	6.340	97.618
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.060	1.920	99.538
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.188	0.341	99.879
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.061	0.111	99.989
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	99.989
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.006	0.011	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.121	0.219	0.219	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.188	0.341	0.560	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.429	4.400	4.960	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.219	53.560	46.221	0.000	0.000
Unified Classification	0.000	0.000	0.560	99.429	0.011	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.03	0.35	0.29	3.19
Folk Graphic Measures (PHI)	1.97	2.02	0.35	0.20	0.94
Grain Size (mm)	0.25	0.25			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215906	840910		850829	TAY

X Position : 3300.00 Y Position : 317.10

Elevation of Top of Core : 1.14
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 56.810 Final Weight : 56.410 Deviation : 0.704 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.058	10.739	17.408
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	13.048	23.131	40.539
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	11.062	19.610	60.149
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	15.118	26.800	86.949
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	5.382	9.541	96.490
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.737	3.079	99.569
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.243	0.431	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.039	0.069	0.069	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.231	0.410	0.479	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.542	0.961	1.439	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.950	5.230	6.669	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.479	40.060	59.461	0.000	0.000
Unified Classification	0.000	0.000	1.439	98.561	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.10	0.39	-0.25	2.95
Folk Graphic Measures (PHI)	2.12	2.10	0.38	-0.08	0.95
Grain Size (mm)	0.23	0.23			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215907	840910		850829	TAY

X Position : 3300.00 Y Position : 449.75

Elevation of Top of Core : -5.28
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 55.550 Final Weight : 55.411 Deviation : 0.250 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.188	0.339	1.733
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.421	0.760	2.492
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.432	0.780	3.272
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.272	4.100	7.372
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	10.572	19.079	26.451
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	24.059	43.419	69.871
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	12.079	21.799	91.670
-1.00	2.000	0.061	0.110	0.110	3.50	0.088	2.178	3.931	95.600
-0.75	1.682	0.000	0.000	0.110	3.75	0.074	1.668	3.010	98.610
-0.50	1.414	0.028	0.051	0.161	4.00	0.063	0.770	1.390	100.000
-0.25	1.189	0.050	0.090	0.251	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.100	0.180	0.431	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.139	0.251	0.682	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.122	0.220	0.902	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.061	0.110	1.012	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.061	0.110	1.123	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.039	0.070	1.193	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.111	0.200	1.393	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.110	1.012	1.370	97.508	0.000	0.000
Unified Classification	0.000	0.110	1.083	97.417	1.390	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.86	0.44	-3.25	25.15
Folk Graphic Measures (PHI)	2.89	2.89	0.30	0.02	1.38
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215908	840910		850829	TAY

X Position : 3300.00 Y Position : 572.80

Elevation of Top of Core : -4.10
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 64.460 Final Weight : 63.551 Deviation : 1.410 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.220	1.920	5.393
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.578	5.630	11.023
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.550	7.160	18.182
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	29.055	45.719	63.901
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	13.257	20.860	84.762
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	6.361	10.009	94.771
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	2.389	3.759	98.530
-1.00	2.000	0.051	0.080	0.080	3.50	0.088	0.413	0.650	99.180
-0.75	1.682	0.121	0.190	0.271	3.75	0.074	0.432	0.680	99.860
-0.50	1.414	0.178	0.280	0.551	4.00	0.063	0.089	0.140	100.000
-0.25	1.189	0.229	0.360	0.911	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.153	0.241	1.152	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.178	0.280	1.432	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.153	0.241	1.673	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.159	0.250	1.923	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.222	0.349	2.272	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.121	0.190	2.463	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.642	1.010	3.473	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.080	2.192	8.750	88.977	0.000	0.000
Unified Classification	0.000	0.080	2.382	97.397	0.140	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.40	0.51	-2.70	16.69
Folk Graphic Measures (PHI)	2.42	2.45	0.34	0.01	1.56
Grain Size (mm)	0.19	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215909	840910		850830	TAY

X Position : 3300.00 Y Position : 737.12

Elevation of Top of Core : -10.19
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 55.050 Final Weight : 54.860 Deviation : 0.345 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.362	0.660	3.369
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.048	1.910	5.279
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.278	2.330	7.608
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.608	15.691	23.299
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	14.670	26.741	50.040
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	16.167	29.470	79.510
-1.25	2.378	0.027	0.049	0.049	3.25	0.105	7.198	13.121	92.630
-1.00	2.000	0.000	0.000	0.049	3.50	0.088	2.513	4.581	97.211
-0.75	1.682	0.027	0.049	0.098	3.75	0.074	1.179	2.149	99.360
-0.50	1.414	0.099	0.180	0.279	4.00	0.063	0.351	0.640	100.000
-0.25	1.189	0.110	0.201	0.479	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.110	0.201	0.680	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.170	0.310	0.990	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.219	0.399	1.389	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.159	0.290	1.679	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.208	0.379	2.058	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.088	0.160	2.218	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.269	0.490	2.709	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.049	2.009	3.221	94.721	0.000	0.000
Unified Classification	0.000	0.049	2.169	97.142	0.640	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.70	0.53	-2.54	15.41
Folk Graphic Measures (PHI)	2.75	2.74	0.39	-0.08	1.30
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215910	840910		850830	TAY

X Position : 3300.00 Y Position : 884.06

Elevation of Top of Core : -12.45
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 51.320 Final Weight : 51.080 Deviation : 0.468 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.051	0.100	0.440
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.169	0.331	0.771
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.352	0.689	1.460
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.769	5.421	6.881
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	8.050	15.760	22.641
-1.50	2.828	0.061	0.119	0.119	3.00	0.125	17.704	34.659	57.300
-1.25	2.378	0.000	0.000	0.119	3.25	0.105	13.909	27.230	84.530
-1.00	2.000	0.000	0.000	0.119	3.50	0.088	4.853	9.501	94.031
-0.75	1.682	0.000	0.000	0.119	3.75	0.074	2.191	4.289	98.320
-0.50	1.414	0.000	0.000	0.119	4.00	0.063	0.858	1.680	100.000
-0.25	1.189	0.000	0.000	0.119	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.119	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.072	0.141	0.260	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.041	0.080	0.341	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.341	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.341	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.341	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.341	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.119	0.221	0.431	99.229	0.000	0.000
Unified Classification	0.000	0.119	0.221	97.980	1.680	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.95	0.38	-2.67	31.71
Folk Graphic Measures (PHI)	2.95	2.95	0.32	0.03	1.18
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215911	840910		850830	TAY

X Position : 3300.00 Y Position : 995.71

Elevation of Top of Core : -12.95
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 64.330 Final Weight : 64.210 Deviation : 0.187 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.103	0.160	1.101
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.713	1.110	2.211
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.438	2.240	4.451
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	12.829	19.980	24.431
-1.75	3.364	0.122	0.190	0.190	2.75	0.149	15.102	23.520	47.950
-1.50	2.828	0.077	0.120	0.310	3.00	0.125	15.327	23.870	71.821
-1.25	2.378	0.058	0.090	0.400	3.25	0.105	11.031	17.180	89.000
-1.00	2.000	0.071	0.111	0.511	3.50	0.088	4.578	7.130	96.130
-0.75	1.682	0.032	0.050	0.561	3.75	0.074	1.843	2.870	99.000
-0.50	1.414	0.000	0.000	0.561	4.00	0.063	0.642	1.000	100.000
-0.25	1.189	0.051	0.079	0.640	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.039	0.061	0.701	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.051	0.079	0.780	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.032	0.050	0.830	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.032	0.050	0.880	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.880	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.880	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.039	0.061	0.941	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.511	0.369	1.332	97.789	0.000	0.000
Unified Classification	0.000	0.511	0.369	98.120	1.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.76	0.52	-3.47	30.32
Folk Graphic Measures (PHI)	2.77	2.78	0.38	0.09	0.91
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215912	840910		850830	TAY

X Position : 3300.00 Y Position : 1076.81

Elevation of Top of Core : -13.04
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PRE-HURRICANE DIANA SURVEY

Start Weight : 47.350 Final Weight : 47.281 Deviation : 0.146 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.199	0.421	2.730
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.922	1.950	4.681
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.329	2.811	7.491
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.052	17.030	24.521
-1.75	3.364	0.028	0.059	0.059	2.75	0.149	9.872	20.879	45.401
-1.50	2.828	0.000	0.000	0.059	3.00	0.125	11.120	23.519	68.920
-1.25	2.378	0.000	0.000	0.059	3.25	0.105	8.298	17.550	86.470
-1.00	2.000	0.080	0.169	0.228	3.50	0.088	4.118	8.710	95.180
-0.75	1.682	0.099	0.209	0.438	3.75	0.074	1.560	3.299	98.479
-0.50	1.414	0.090	0.190	0.628	4.00	0.063	0.719	1.521	100.000
-0.25	1.189	0.090	0.190	0.819	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.090	0.190	1.009	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.161	0.341	1.349	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.128	0.271	1.620	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.099	0.209	1.829	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.090	0.190	2.020	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.028	0.059	2.079	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.109	0.231	2.310	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.228	1.791	2.661	95.319	0.000	0.000
Unified Classification	0.000	0.228	1.851	96.400	1.521	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.75	0.59	-2.62	16.49
Folk Graphic Measures (PHI)	2.80	2.80	0.43	-0.03	1.03
Grain Size (mm)	0.14	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215913	840910		850828	NT

X Position : 3300.00 Y Position : 1469.10

Elevation of Top of Core : -15.48
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.520 Final Weight : 62.320 Deviation : 0.320 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.598	0.960	3.240
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.013	3.230	6.470
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.711	4.350	10.820
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	15.730	25.241	36.061
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	16.390	26.300	62.360
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	13.941	22.370	84.730
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	5.478	8.790	93.521
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.443	3.920	97.441
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.059	1.699	99.140
-0.50	1.414	0.069	0.111	0.111	4.00	0.063	0.536	0.860	100.000
-0.25	1.189	0.062	0.099	0.210	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.062	0.099	0.310	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.112	0.180	0.489	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.187	0.300	0.789	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.181	0.290	1.080	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.249	0.400	1.479	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.100	0.160	1.640	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.399	0.640	2.280	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	1.479	4.990	93.530	0.000	0.000
Unified Classification	0.000	0.000	1.640	97.500	0.860	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.62	0.48	-1.53	10.73
Folk Graphic Measures (PHI)	2.63	2.64	0.39	0.01	1.19
Grain Size (mm)	0.16	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215915	840910		850828	NT

X Position : 3300.00 Y Position : 1943.29

Elevation of Top of Core : -19.86
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 45.460 Final Weight : 45.749 Deviation : 0.636 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.581	1.270	6.457
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.240	2.710	9.167
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.359	2.971	12.138
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.432	18.431	30.569
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	10.321	22.560	53.129
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.612	21.010	74.139
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	5.710	12.481	86.620
-1.00	2.000	0.041	0.090	0.090	3.50	0.088	4.410	9.640	96.260
-0.75	1.682	0.041	0.090	0.179	3.75	0.074	1.432	3.130	99.390
-0.50	1.414	0.151	0.330	0.509	4.00	0.063	0.279	0.610	100.000
-0.25	1.189	0.169	0.369	0.879	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.210	0.459	1.338	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.302	0.660	1.998	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.279	0.610	2.608	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.288	0.630	3.237	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.361	0.789	4.026	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.151	0.330	4.356	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.380	0.831	5.187	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.090	3.937	5.141	90.833	0.000	0.000
Unified Classification	0.000	0.090	4.267	95.034	0.610	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.64	0.67	-2.09	9.82
Folk Graphic Measures (PHI)	2.72	2.74	0.53	-0.09	1.40
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6215916	840910		850828	NT

X Position : 3300.00 Y Position : 2255.00

Elevation of Top of Core : -22.21
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 49.760 Final Weight : 49.718 Deviation : 0.084 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.259	0.521	2.999
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.830	1.669	4.668
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.009	2.029	6.698
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.011	14.102	20.799
-1.75	3.364	0.080	0.161	0.161	2.75	0.149	11.749	23.631	44.431
-1.50	2.828	0.000	0.000	0.161	3.00	0.125	15.005	30.180	74.611
-1.25	2.378	0.000	0.000	0.161	3.25	0.105	8.328	16.750	91.361
-1.00	2.000	0.000	0.000	0.161	3.50	0.088	3.162	6.360	97.721
-0.75	1.682	0.060	0.121	0.282	3.75	0.074	0.830	1.669	99.391
-0.50	1.414	0.089	0.179	0.461	4.00	0.063	0.303	0.609	100.000
-0.25	1.189	0.089	0.179	0.640	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.089	0.179	0.819	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.119	0.239	1.058	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.129	0.259	1.317	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.149	0.300	1.617	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.169	0.340	1.957	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.070	0.141	2.098	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.189	0.380	2.478	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.161	1.796	2.711	95.332	0.000	0.000
Unified Classification	0.000	0.161	1.937	97.293	0.609	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.73	0.54	-3.13	20.95
Folk Graphic Measures (PHI)	2.80	2.78	0.39	-0.08	1.20
Grain Size (mm)	0.14	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyst
39	G	6216001	840921		850904	SGU

X Position : 3300.00 Y Position : 169.70

Elevation of Top of Core : 20.82
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY BEST LINEAR FIT 27 JUN 86

Start Weight : 55.750 Final Weight : 55.662 Deviation : 0.158 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.266	14.850	63.181
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.774	17.560	80.741
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.807	6.839	87.580
-2.00	4.000	0.011	0.020	0.020	2.50	0.177	4.915	8.830	96.410
-1.75	3.364	0.022	0.040	0.059	2.75	0.149	1.280	2.300	98.710
-1.50	2.828	0.000	0.000	0.059	3.00	0.125	0.518	0.931	99.641
-1.25	2.378	0.000	0.000	0.059	3.25	0.105	0.106	0.190	99.831
-1.00	2.000	0.000	0.000	0.059	3.50	0.088	0.039	0.070	99.901
-0.75	1.682	0.000	0.000	0.059	3.75	0.074	0.022	0.040	99.941
-0.50	1.414	0.223	0.401	0.460	4.00	0.063	0.033	0.059	100.000
-0.25	1.189	0.440	0.790	1.250	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.646	1.161	2.411	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.558	2.799	5.210	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.377	4.270	9.480	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.418	6.141	15.621	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.709	8.460	24.081	5.50	0.022	0.000	0.000	100.000
1.25	0.420	6.123	11.000	35.081	5.75	0.019	0.000	0.000	100.000
1.50	0.354	7.375	13.250	48.331	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.059	24.022	56.660	19.259	0.000	0.000
Unified Classification	0.000	0.059	35.022	64.859	0.059	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.45	0.68	-0.43	3.30
Folk Graphic Measures (PHI)	1.53	1.47	0.68	-0.15	1.02
Grain Size (mm)	0.35	0.36			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyst
39	G	6216002	840921		850905	SGU

X Position : 3300.00 Y Position : 196.90

Elevation of Top of Core : 17.85
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 52.040 Final Weight : 51.888 Deviation : 0.292 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.330	17.981	79.082
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.337	14.140	93.222
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.070	3.989	97.211
-2.00	4.000	0.031	0.060	0.060	2.50	0.177	1.090	2.101	99.312
-1.75	3.364	0.000	0.000	0.060	2.75	0.149	0.280	0.540	99.852
-1.50	2.828	0.000	0.000	0.060	3.00	0.125	0.067	0.129	99.981
-1.25	2.378	0.000	0.000	0.060	3.25	0.105	0.010	0.019	100.000
-1.00	2.000	0.000	0.000	0.060	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.060	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.000	0.000	0.060	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.000	0.000	0.060	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.060	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.140	0.270	0.330	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.001	1.929	2.259	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.108	5.990	8.249	5.25	0.026	0.000	0.000	100.000
1.00	0.500	9.828	18.941	27.189	5.50	0.022	0.000	0.000	100.000
1.25	0.420	8.863	17.081	44.270	5.75	0.019	0.000	0.000	100.000
1.50	0.354	8.733	16.830	61.101	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.060	27.130	66.033	6.778	0.000	0.000
Unified Classification	0.000	0.060	44.211	55.730	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.34	0.47	-0.06	4.19
Folk Graphic Measures (PHI)	1.34	1.34	0.47	0.03	0.85
Grain Size (mm)	0.40	0.39			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216003	840921		850905	SGU

X Position : 3300.00 Y Position : 236.84

Elevation of Top of Core : 11.52
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 50.580 Final Weight : 50.519 Deviation : 0.121 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.881	11.641	84.923
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.799	9.499	94.422
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.531	3.031	97.452
-2.00	4.000	0.248	0.491	0.491	2.50	0.177	0.818	1.619	99.072
-1.75	3.364	0.126	0.249	0.740	2.75	0.149	0.288	0.570	99.642
-1.50	2.828	0.061	0.121	0.861	3.00	0.125	0.121	0.240	99.881
-1.25	2.378	0.298	0.590	1.451	3.25	0.105	0.040	0.079	99.960
-1.00	2.000	0.308	0.610	2.061	3.50	0.088	0.020	0.040	100.000
-0.75	1.682	0.338	0.669	2.730	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.849	1.681	4.410	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.288	2.550	6.960	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.652	3.270	10.230	4.50	0.044	0.000	0.000	100.000
0.25	0.841	3.178	6.291	16.521	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.971	7.860	24.381	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.941	9.780	34.161	5.25	0.026	0.000	0.000	100.000
1.00	0.500	7.997	15.830	49.991	5.50	0.022	0.000	0.000	100.000
1.25	0.420	6.259	12.389	62.380	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.507	10.901	73.281	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	2.061	47.930	44.431	5.578	0.000	0.000
Unified Classification	0.000	2.061	60.320	37.620	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.96	0.79	-0.72	4.18
Folk Graphic Measures (PHI)	1.00	0.99	0.75	-0.09	1.00
Grain Size (mm)	0.50	0.51			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216004	840921		850905	SGU

X Position : 3300.00 Y Position : 259.85

Elevation of Top of Core : 7.54
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 50.120 Final Weight : 50.109 Deviation : 0.022 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.780	13.531	34.778
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	12.112	24.171	58.949
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.842	15.650	74.599
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.030	18.021	92.620
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.230	4.450	97.070
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.097	2.189	99.260
-1.25	2.378	0.030	0.060	0.060	3.25	0.105	0.261	0.521	99.780
-1.00	2.000	0.050	0.100	0.160	3.50	0.088	0.100	0.200	99.980
-0.75	1.682	0.080	0.160	0.319	3.75	0.074	0.010	0.020	100.000
-0.50	1.414	0.080	0.160	0.479	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.130	0.259	0.738	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.110	0.220	0.958	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.220	0.439	1.397	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.391	0.780	2.177	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.692	1.381	3.558	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.992	5.971	9.529	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.936	5.859	15.388	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.936	5.859	21.248	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.160	9.370	49.420	41.051	0.000	0.000
Unified Classification	0.000	0.160	15.229	84.612	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.84	0.58	-1.03	5.51
Folk Graphic Measures (PHI)	1.91	1.85	0.55	-0.17	1.09
Grain Size (mm)	0.27	0.28			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216005	840921		850905	SGU

X Position : 3300.00 Y Position : 299.46

Elevation of Top of Core : 4.29
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.520 Final Weight : 58.451 Deviation : 0.118 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.389	9.220	17.582
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	15.191	25.989	43.572
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	13.069	22.359	65.930
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	16.769	28.689	94.619
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.303	3.940	98.559
-1.50	2.828	0.012	0.021	0.021	3.00	0.125	0.719	1.230	99.790
-1.25	2.378	0.000	0.000	0.021	3.25	0.105	0.082	0.140	99.930
-1.00	2.000	0.012	0.021	0.041	3.50	0.088	0.029	0.050	99.979
-0.75	1.682	0.000	0.000	0.041	3.75	0.074	0.012	0.021	100.000
-0.50	1.414	0.012	0.021	0.062	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.012	0.021	0.082	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.012	0.021	0.103	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.035	0.060	0.163	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.193	0.330	0.493	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.321	0.549	1.042	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.801	1.370	2.412	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.801	1.370	3.783	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.677	4.580	8.363	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.041	2.371	41.159	56.428	0.000	0.000
Unified Classification	0.000	0.041	3.742	96.217	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.03	0.40	-1.23	7.48
Folk Graphic Measures (PHI)	2.07	2.06	0.36	-0.15	0.97
Grain Size (mm)	0.24	0.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216006	840921		850905	SGU

X Position : 3300.00 Y Position : 331.24

Elevation of Top of Core : 1.90
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.750 Final Weight : 51.009 Deviation : 1.432 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.290	4.489	5.977
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.100	17.840	23.817
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	11.691	22.919	46.737
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	19.430	38.091	84.828
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	5.341	10.471	95.299
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	2.148	4.211	99.510
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.219	0.429	99.939
-1.00	2.000	0.010	0.020	0.020	3.50	0.088	0.031	0.061	100.000
-0.75	1.682	0.000	0.000	0.020	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.010	0.020	0.039	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.010	0.020	0.059	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.010	0.020	0.078	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.010	0.020	0.098	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.041	0.080	0.178	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.061	0.120	0.298	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.168	0.329	0.627	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.199	0.390	1.017	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.240	0.471	1.488	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.020	0.608	23.190	76.183	0.000	0.000
Unified Classification	0.000	0.020	0.998	98.983	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.22	0.34	-1.03	8.78
Folk Graphic Measures (PHI)	2.27	2.22	0.31	-0.18	1.02
Grain Size (mm)	0.21	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216007	840920		850906	SGU

X Position : 3300.00 Y Position : 452.40

Elevation of Top of Core : -2.56
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.490 Final Weight : 57.387 Deviation : 0.179 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.928	10.330	42.520
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.238	17.840	60.360
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.047	12.280	72.640
-2.00	4.000	0.011	0.019	0.019	2.50	0.177	10.743	18.720	91.360
-1.75	3.364	0.092	0.160	0.179	2.75	0.149	2.806	4.890	96.250
-1.50	2.828	0.092	0.160	0.340	3.00	0.125	1.710	2.980	99.230
-1.25	2.378	0.212	0.369	0.709	3.25	0.105	0.293	0.511	99.740
-1.00	2.000	0.270	0.470	1.180	3.50	0.088	0.109	0.190	99.930
-0.75	1.682	0.212	0.369	1.549	3.75	0.074	0.029	0.051	99.981
-0.50	1.414	0.689	1.201	2.750	4.00	0.063	0.011	0.019	100.000
-0.25	1.189	0.769	1.340	4.090	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.758	1.321	5.411	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.291	2.250	7.660	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.710	2.980	10.640	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.037	3.550	14.190	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.669	4.651	18.841	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.261	3.940	22.780	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.400	9.410	32.190	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	1.180	17.661	41.520	39.640	0.000	0.000
Unified Classification	0.000	1.180	21.601	77.200	0.019	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.66	0.85	-1.22	4.62
Folk Graphic Measures (PHI)	1.85	1.70	0.81	-0.35	1.16
Grain Size (mm)	0.28	0.32			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216008	840920		850906	SGU

X Position : 3300.00 Y Position : 586.80

Elevation of Top of Core : -4.89
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.780 Final Weight : 57.691 Deviation : 0.154 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.938	8.559	41.549
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.109	15.789	57.338
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.940	12.030	69.368
-2.00	4.000	0.208	0.361	0.361	2.50	0.177	10.638	18.440	87.807
-1.75	3.364	0.000	0.000	0.361	2.75	0.149	4.258	7.381	95.188
-1.50	2.828	0.260	0.451	0.811	3.00	0.125	2.227	3.860	99.048
-1.25	2.378	0.473	0.820	1.631	3.25	0.105	0.369	0.640	99.688
-1.00	2.000	0.721	1.250	2.881	3.50	0.088	0.162	0.281	99.969
-0.75	1.682	0.831	1.440	4.321	3.75	0.074	0.012	0.021	99.990
-0.50	1.414	1.361	2.359	6.680	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	1.252	2.170	8.851	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.992	1.720	10.570	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.419	2.460	13.030	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.500	2.600	15.630	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.760	3.051	18.681	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.117	3.670	22.350	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.817	3.150	25.500	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.321	7.490	32.990	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	2.881	19.469	34.988	42.662	0.000	0.000
Unified Classification	0.000	2.881	22.619	74.490	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.59	1.04	-1.23	3.97
Folk Graphic Measures (PHI)	1.88	1.62	1.00	-0.45	1.26
Grain Size (mm)	0.27	0.33			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216009	840920		850906	SGU

X Position : 3300.00 Y Position : 715.96

Elevation of Top of Core : -8.90
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.370 Final Weight : 62.320 Deviation : 0.080 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.411	0.659	1.629
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.617	4.199	5.828
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.752	9.230	15.058
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	26.798	43.001	58.058
-1.75	3.364	0.012	0.019	0.019	2.75	0.149	15.493	24.860	82.919
-1.50	2.828	0.050	0.080	0.099	3.00	0.125	8.033	12.890	95.809
-1.25	2.378	0.037	0.059	0.159	3.25	0.105	1.901	3.050	98.859
-1.00	2.000	0.012	0.019	0.178	3.50	0.088	0.580	0.931	99.790
-0.75	1.682	0.019	0.030	0.209	3.75	0.074	0.112	0.180	99.970
-0.50	1.414	0.012	0.019	0.228	4.00	0.063	0.019	0.030	100.000
-0.25	1.189	0.019	0.030	0.258	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.019	0.030	0.289	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.031	0.050	0.339	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.037	0.059	0.398	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.037	0.059	0.457	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.069	0.111	0.568	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.069	0.111	0.679	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.181	0.290	0.969	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.178	0.390	5.260	94.172	0.000	0.000
Unified Classification	0.000	0.178	0.501	99.291	0.030	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.47	0.37	-3.03	32.20
Folk Graphic Measures (PHI)	2.45	2.49	0.29	0.13	1.17
Grain Size (mm)	0.18	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216010	840920		850906	SGU

X Position : 3300.00 Y Position : 842.60

Elevation of Top of Core : -11.95
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.540 Final Weight : 56.430 Deviation : 0.195 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.277	0.491	2.561
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.841	1.490	4.051
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.467	2.600	6.651
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.670	11.820	18.471
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	13.701	24.280	42.750
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	20.337	36.039	78.790
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	7.240	12.830	91.620
-1.00	2.000	0.028	0.050	0.050	3.50	0.088	3.341	5.921	97.540
-0.75	1.682	0.017	0.030	0.080	3.75	0.074	1.236	2.190	99.731
-0.50	1.414	0.079	0.140	0.220	4.00	0.063	0.152	0.269	100.000
-0.25	1.189	0.079	0.140	0.360	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.079	0.140	0.500	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.107	0.190	0.689	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.119	0.211	0.900	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.141	0.250	1.150	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.181	0.321	1.471	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.107	0.190	1.660	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.231	0.409	2.070	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.050	1.421	2.580	95.949	0.000	0.000
Unified Classification	0.000	0.050	1.611	98.070	0.269	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.75	0.48	-2.63	17.28
Folk Graphic Measures (PHI)	2.80	2.78	0.36	-0.08	1.31
Grain Size (mm)	0.14	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216011	840920		850906	SGU

X Position : 3300.00 Y Position : 987.82

Elevation of Top of Core : -12.86
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.170 Final Weight : 52.989 Deviation : 0.340 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.217	0.410	2.657
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.652	1.230	3.888
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.118	2.110	5.997
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.768	7.111	13.108
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.689	14.511	27.619
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	14.498	27.360	54.979
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	10.810	20.400	75.380
-1.00	2.000	0.037	0.070	0.070	3.50	0.088	7.382	13.931	89.311
-0.75	1.682	0.058	0.109	0.179	3.75	0.074	4.276	8.070	97.381
-0.50	1.414	0.048	0.091	0.270	4.00	0.063	1.388	2.619	100.000
-0.25	1.189	0.079	0.149	0.419	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.037	0.070	0.489	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.111	0.209	0.698	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.138	0.260	0.959	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.170	0.321	1.280	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.201	0.379	1.659	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.111	0.209	1.868	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.201	0.379	2.248	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.070	1.589	2.229	96.112	0.000	0.000
Unified Classification	0.000	0.070	1.798	95.512	2.619	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.92	0.56	-2.24	13.58
Folk Graphic Measures (PHI)	2.95	2.97	0.45	-0.01	1.17
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216012	840912		850906	SGU

X Position : 3300.00 Y Position : 1233.89

Elevation of Top of Core : -13.72
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.060 Final Weight : 49.641 Deviation : 0.837 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.432	0.870	6.281
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.112	2.240	8.521
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.380	2.780	11.301
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.751	13.600	24.901
-1.75	3.364	0.079	0.159	0.159	2.75	0.149	12.261	24.699	49.600
-1.50	2.828	0.089	0.179	0.338	3.00	0.125	15.279	30.779	80.379
-1.25	2.378	0.079	0.159	0.498	3.25	0.105	5.699	11.480	91.860
-1.00	2.000	0.050	0.101	0.598	3.50	0.088	2.611	5.260	97.119
-0.75	1.682	0.069	0.139	0.737	3.75	0.074	1.390	2.800	99.919
-0.50	1.414	0.139	0.280	1.017	4.00	0.063	0.040	0.081	100.000
-0.25	1.189	0.159	0.320	1.338	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.179	0.361	1.698	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.218	0.439	2.137	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.308	0.620	2.758	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.328	0.661	3.419	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.452	0.911	4.329	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.199	0.401	4.730	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.338	0.681	5.411	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.598	3.731	4.192	91.479	0.000	0.000
Unified Classification	0.000	0.598	4.132	95.189	0.081	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.63	0.70	-2.91	14.86
Folk Graphic Measures (PHI)	2.75	2.72	0.50	-0.25	1.85
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216013	840920		850905	SGU

X Position : 3300.00 Y Position : 1499.02

Elevation of Top of Core : -16.01
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.870 Final Weight : 60.821 Deviation : 0.080 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.031	3.339	14.421
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.470	7.349	21.770
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.638	9.270	31.040
-2.00	4.000	0.493	0.811	0.811	2.50	0.177	15.722	25.850	56.890
-1.75	3.364	0.128	0.210	1.021	2.75	0.149	10.917	17.949	74.839
-1.50	2.828	0.043	0.071	1.092	3.00	0.125	8.649	14.220	89.060
-1.25	2.378	0.000	0.000	1.092	3.25	0.105	3.582	5.889	94.949
-1.00	2.000	0.109	0.179	1.271	3.50	0.088	1.861	3.060	98.009
-0.75	1.682	0.073	0.120	1.391	3.75	0.074	0.931	1.531	99.540
-0.50	1.414	0.219	0.360	1.751	4.00	0.063	0.280	0.460	100.000
-0.25	1.189	0.140	0.230	1.981	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.219	0.360	2.341	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.280	0.460	2.802	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.401	0.659	3.461	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.718	1.181	4.641	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.411	2.320	6.961	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.888	1.460	8.421	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.618	2.660	11.082	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.271	5.690	14.809	78.230	0.000	0.000
Unified Classification	0.000	1.271	7.150	91.118	0.460	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.30	0.83	-2.29	11.31
Folk Graphic Measures (PHI)	2.43	2.38	0.65	-0.24	1.52
Grain Size (mm)	0.19	0.20			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216014	840920		840907	SGU

X Position : 3300.00 Y Position : 1738.11

Elevation of Top of Core : -18.34
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.210 Final Weight : 57.931 Deviation : 0.479 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.110	0.190	0.839
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.238	0.411	1.250
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.469	0.810	2.059
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.602	9.670	11.729
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	18.202	31.420	43.150
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	21.081	36.390	79.539
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	6.807	11.750	91.290
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.532	4.371	95.660
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.697	2.929	98.590
-0.50	1.414	0.017	0.029	0.029	4.00	0.063	0.817	1.410	100.000
-0.25	1.189	0.012	0.021	0.050	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.017	0.029	0.079	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.017	0.029	0.109	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.041	0.071	0.180	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.029	0.050	0.230	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.058	0.100	0.330	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.098	0.169	0.499	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.087	0.150	0.649	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.330	0.920	98.750	0.000	0.000
Unified Classification	0.000	0.000	0.499	98.091	1.410	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.81	0.36	-0.88	12.91
Folk Graphic Measures (PHI)	2.80	2.81	0.31	0.12	1.28
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216015	840920		850908	SGU

X Position : 3300.00 Y Position : 1976.60

Elevation of Top of Core : -20.35
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.940 Final Weight : 55.760 Deviation : 0.322 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.039	0.070	0.418
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.089	0.160	0.577
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.279	0.500	1.078
-2.00	4.000	0.011	0.020	0.020	2.50	0.177	2.002	3.590	4.668
-1.75	3.364	0.011	0.020	0.039	2.75	0.149	13.762	24.681	29.349
-1.50	2.828	0.000	0.000	0.039	3.00	0.125	23.888	42.841	72.190
-1.25	2.378	0.000	0.000	0.039	3.25	0.105	9.819	17.609	89.799
-1.00	2.000	0.000	0.000	0.039	3.50	0.088	2.721	4.880	94.679
-0.75	1.682	0.000	0.000	0.039	3.75	0.074	2.030	3.641	98.320
-0.50	1.414	0.000	0.000	0.039	4.00	0.063	0.937	1.680	100.000
-0.25	1.189	0.011	0.020	0.059	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.059	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.059	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.011	0.020	0.079	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.011	0.020	0.099	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.028	0.050	0.149	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.050	0.090	0.239	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.061	0.109	0.348	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.039	0.109	0.429	99.423	0.000	0.000
Unified Classification	0.000	0.039	0.199	98.081	1.680	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.89	0.33	-1.33	26.33
Folk Graphic Measures (PHI)	2.87	2.88	0.29	0.18	1.25
Grain Size (mm)	0.14	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216016	840920		850905	SGU

X Position : 3300.00 Y Position : 2444.60

Elevation of Top of Core : -23.60
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.730 Final Weight : 50.667 Deviation : 0.124 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.041	0.081	0.397
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.101	0.199	0.596
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.228	0.450	1.046
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.439	2.840	3.886
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	11.259	22.222	26.108
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	20.739	40.932	67.040
-1.25	2.378	0.010	0.020	0.020	3.25	0.105	10.620	20.960	88.000
-1.00	2.000	0.010	0.020	0.039	3.50	0.088	3.050	6.020	94.020
-0.75	1.682	0.000	0.000	0.039	3.75	0.074	1.910	3.770	97.789
-0.50	1.414	0.010	0.020	0.059	4.00	0.063	1.120	2.211	100.000
-0.25	1.189	0.000	0.000	0.059	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.020	0.039	0.099	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.010	0.020	0.118	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.020	0.039	0.158	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.010	0.020	0.178	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.020	0.039	0.217	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.020	0.039	0.257	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.030	0.059	0.316	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.039	0.178	0.379	99.404	0.000	0.000
Unified Classification	0.000	0.039	0.217	97.533	2.211	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.92	0.34	-1.18	19.92
Folk Graphic Measures (PHI)	2.90	2.91	0.30	0.18	1.21
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216017	840920		850908	SGU

X Position : 3300.00 Y Position : 2941.10

Elevation of Top of Core : -26.37
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.700 Final Weight : 51.480 Deviation : 0.426 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.041	0.080	0.340
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.098	0.190	0.530
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.247	0.480	1.010
-2.00	4.000	0.010	0.019	0.019	2.50	0.177	1.220	2.370	3.380
-1.75	3.364	0.021	0.041	0.060	2.75	0.149	10.131	19.679	23.059
-1.50	2.828	0.000	0.000	0.060	3.00	0.125	21.982	42.700	65.760
-1.25	2.378	0.000	0.000	0.060	3.25	0.105	10.749	20.880	86.639
-1.00	2.000	0.010	0.019	0.080	3.50	0.088	3.573	6.941	93.580
-0.75	1.682	0.000	0.000	0.080	3.75	0.074	2.147	4.171	97.751
-0.50	1.414	0.000	0.000	0.080	4.00	0.063	1.158	2.249	100.000
-0.25	1.189	0.010	0.019	0.099	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.099	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.099	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.099	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.021	0.041	0.140	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.021	0.041	0.181	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.010	0.019	0.200	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.031	0.060	0.260	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.080	0.101	0.350	99.470	0.000	0.000
Unified Classification	0.000	0.080	0.120	97.551	2.249	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.94	0.35	-1.94	33.43
Folk Graphic Measures (PHI)	2.91	2.93	0.30	0.19	1.25
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216101	841002		850831	NT

X Position : 3300.00 Y Position : 167.28

Elevation of Top of Core : 20.82
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 50.410 Final Weight : 50.357 Deviation : 0.105 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.335	12.580	60.119
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.163	16.210	76.329
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.898	7.741	84.070
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.061	10.050	94.120
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.818	3.610	97.730
-1.50	2.828	0.040	0.079	0.079	3.00	0.125	0.801	1.591	99.321
-1.25	2.378	0.030	0.060	0.139	3.25	0.105	0.191	0.379	99.700
-1.00	2.000	0.040	0.079	0.218	3.50	0.088	0.091	0.181	99.881
-0.75	1.682	0.191	0.379	0.598	3.75	0.074	0.030	0.060	99.940
-0.50	1.414	0.438	0.870	1.468	4.00	0.063	0.030	0.060	100.000
-0.25	1.189	0.609	1.209	2.677	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.791	1.571	4.248	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.848	3.670	7.917	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.447	4.859	12.777	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.067	6.091	18.867	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.207	10.340	29.207	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.427	8.791	37.999	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.804	9.540	47.539	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.218	28.989	47.122	23.671	0.000	0.000
Unified Classification	0.000	0.218	37.780	61.942	0.060	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.44	0.79	-0.46	3.04
Folk Graphic Measures (PHI)	1.55	1.48	0.78	-0.16	0.95
Grain Size (mm)	0.34	0.37			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216102	841002		850831	NT

X Position : 3300.00 Y Position : 195.33

Elevation of Top of Core : 18.06
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 55.440 Final Weight : 55.152 Deviation : 0.519 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.359	16.969	71.158
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.550	13.689	84.847
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.030	9.120	93.968
-2.00	4.000	0.022	0.040	0.040	2.50	0.177	2.416	4.381	98.348
-1.75	3.364	0.011	0.020	0.060	2.75	0.149	0.612	1.110	99.458
-1.50	2.828	0.000	0.000	0.060	3.00	0.125	0.210	0.381	99.839
-1.25	2.378	0.000	0.000	0.060	3.25	0.105	0.050	0.091	99.929
-1.00	2.000	0.000	0.000	0.060	3.50	0.088	0.022	0.040	99.969
-0.75	1.682	0.011	0.020	0.080	3.75	0.074	0.011	0.020	99.989
-0.50	1.414	0.028	0.051	0.131	4.00	0.063	0.006	0.011	100.000
-0.25	1.189	0.138	0.250	0.381	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.325	0.589	0.970	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.601	1.090	2.060	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.232	0.421	2.480	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.910	1.650	4.130	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.311	15.069	19.200	5.50	0.022	0.000	0.000	100.000
1.25	0.420	9.513	17.249	36.448	5.75	0.019	0.000	0.000	100.000
1.50	0.354	9.784	17.740	54.188	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.060	19.140	65.648	15.153	0.000	0.000
Unified Classification	0.000	0.060	36.389	63.541	0.011	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.46	0.52	-0.25	4.59
Folk Graphic Measures (PHI)	1.44	1.46	0.49	0.09	0.86
Grain Size (mm)	0.37	0.36			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216103	841002		850831	NT

X Position : 3300.00 Y Position : 229.56

Elevation of Top of Core : 12.80
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 49.480 Final Weight : 49.388 Deviation : 0.186 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.082	6.240	86.450
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.240	6.560	93.010
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.166	2.361	95.371
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.482	3.001	98.372
-1.75	3.364	0.158	0.320	0.320	2.75	0.149	0.528	1.069	99.441
-1.50	2.828	0.128	0.259	0.579	3.00	0.125	0.207	0.419	99.860
-1.25	2.378	0.370	0.749	1.328	3.25	0.105	0.049	0.099	99.960
-1.00	2.000	0.598	1.211	2.539	3.50	0.088	0.020	0.040	100.000
-0.75	1.682	1.180	2.389	4.928	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	3.319	6.720	11.649	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	4.667	9.450	21.098	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.598	9.310	30.408	4.50	0.044	0.000	0.000	100.000
0.25	0.841	5.863	11.871	42.280	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.751	9.620	51.899	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.010	8.119	60.019	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.490	9.091	69.110	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.988	6.050	75.160	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.494	5.050	80.210	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	2.539	66.571	23.901	6.990	0.000	0.000
Unified Classification	0.000	2.539	72.621	24.840	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.57	0.93	0.26	2.45
Folk Graphic Measures (PHI)	0.45	0.57	0.96	0.18	0.87
Grain Size (mm)	0.73	0.68			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216104	841002		850831	NT

X Position : 3300.00 Y Position : 257.71

Elevation of Top of Core : 7.06
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 48.740 Final Weight : 48.762 Deviation : 0.045 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.688	1.411	87.049
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.536	3.150	90.199
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.039	2.131	92.330
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.282	4.680	97.010
-1.75	3.364	0.107	0.219	0.219	2.75	0.149	1.039	2.131	99.141
-1.50	2.828	0.098	0.201	0.420	3.00	0.125	0.380	0.779	99.920
-1.25	2.378	0.190	0.390	0.810	3.25	0.105	0.039	0.080	100.000
-1.00	2.000	0.551	1.130	1.940	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.922	1.891	3.831	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	5.398	11.070	14.901	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	11.439	23.459	38.360	4.25	0.053	0.000	0.000	100.000
0.00	1.000	9.537	19.558	57.918	4.50	0.044	0.000	0.000	100.000
0.25	0.841	7.177	14.718	72.636	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.960	6.070	78.707	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.429	2.931	81.637	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.980	2.010	83.647	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.322	0.660	84.307	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.649	1.331	85.638	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.940	81.707	6.552	9.801	0.000	0.000
Unified Classification	0.000	1.940	82.367	15.693	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.20	0.94	1.35	3.95
Folk Graphic Measures (PHI)	-0.10	0.18	0.88	0.56	1.73
Grain Size (mm)	1.07	0.87			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216105	841002		850902	NT

X Position : 3300.00 Y Position : 283.30

Elevation of Top of Core : 5.87
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 58.580 Final Weight : 58.400 Deviation : 0.307 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.199	7.190	69.058
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	6.150	10.531	79.589
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.270	5.599	85.188
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.828	9.979	95.168
-1.75	3.364	0.058	0.099	0.099	2.75	0.149	1.910	3.271	98.438
-1.50	2.828	0.058	0.099	0.199	3.00	0.125	0.777	1.330	99.769
-1.25	2.378	0.432	0.740	0.938	3.25	0.105	0.117	0.200	99.969
-1.00	2.000	0.572	0.979	1.918	3.50	0.088	0.018	0.031	100.000
-0.75	1.682	0.818	1.401	3.318	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.419	2.430	5.748	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	2.902	4.969	10.717	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.398	7.531	18.248	4.50	0.044	0.000	0.000	100.000
0.25	0.841	6.068	10.390	28.639	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.222	7.229	35.868	5.00	0.031	0.000	0.000	100.000
0.75	0.595	5.157	8.830	44.699	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.901	6.680	51.378	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.990	5.120	56.498	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.136	5.370	61.868	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.918	49.461	28.211	20.411	0.000	0.000
Unified Classification	0.000	1.918	54.580	43.502	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.01	1.02	-0.09	2.04
Folk Graphic Measures (PHI)	0.95	1.02	1.03	0.05	0.73
Grain Size (mm)	0.52	0.50			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216106	841002		850902	NT

X Position : 3300.00 Y Position : 336.93

Elevation of Top of Core : 1.93
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 59.010 Final Weight : 58.978 Deviation : 0.054 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.177	0.300	99.171
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.212	0.359	99.530
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.088	0.149	99.680
-2.00	4.000	2.076	3.520	3.520	2.50	0.177	0.118	0.200	99.880
-1.75	3.364	1.109	1.880	5.400	2.75	0.149	0.041	0.070	99.949
-1.50	2.828	2.878	4.880	10.280	3.00	0.125	0.012	0.020	99.969
-1.25	2.378	4.807	8.150	18.431	3.25	0.105	0.000	0.000	99.969
-1.00	2.000	7.791	13.210	31.641	3.50	0.088	0.012	0.020	99.990
-0.75	1.682	10.475	17.761	49.401	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	16.750	28.400	77.802	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	7.396	12.540	90.342	4.25	0.053	0.000	0.000	100.000
0.00	1.000	2.636	4.469	94.812	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.138	1.930	96.741	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.442	0.749	97.491	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.248	0.420	97.911	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.248	0.420	98.332	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.088	0.149	98.481	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.230	0.390	98.871	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	31.641	66.691	1.199	0.470	0.000	0.000
Unified Classification	0.000	31.641	66.840	1.509	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		-0.79	0.61	1.10	8.59
Folk Graphic Measures (PHI)	-0.74	-0.82	0.51	-0.19	1.25
Grain Size (mm)	1.68	1.73			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216107	841002		850902	NT

X Position : 3300.00 Y Position : 470.57

Elevation of Top of Core : -7.41
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.430 Final Weight : 55.349 Deviation : 0.146 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.371	6.090	69.360
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.341	9.650	79.010
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.873	5.191	84.200
-2.00	4.000	4.710	8.510	8.510	2.50	0.177	5.657	10.221	94.421
-1.75	3.364	0.991	1.790	10.300	2.75	0.149	2.092	3.780	98.201
-1.50	2.828	1.262	2.280	12.580	3.00	0.125	0.852	1.539	99.740
-1.25	2.378	1.428	2.580	15.160	3.25	0.105	0.127	0.229	99.969
-1.00	2.000	1.937	3.500	18.660	3.50	0.088	0.011	0.020	99.989
-0.75	1.682	2.308	4.170	22.830	3.75	0.074	0.000	0.000	99.989
-0.50	1.414	3.559	6.430	29.260	4.00	0.063	0.006	0.011	100.000
-0.25	1.189	2.978	5.380	34.640	4.25	0.053	0.000	0.000	100.000
0.00	1.000	2.358	4.260	38.900	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.662	4.809	43.710	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.148	3.881	47.591	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.970	3.559	51.150	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.369	4.280	55.430	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.090	1.969	57.399	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.249	5.870	63.269	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	18.660	36.770	23.579	20.990	0.000	0.000
Unified Classification	0.000	18.660	38.740	42.590	0.011	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.54	1.51	-0.27	1.82
Folk Graphic Measures (PHI)	0.67	0.57	1.56	-0.14	0.74
Grain Size (mm)	0.63	0.69			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216108	841002		850902	NT

X Position : 3300.00 Y Position : 601.54

Elevation of Top of Core : -6.20
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.650 Final Weight : 60.539 Deviation : 0.183 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.687	6.090	10.028
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.426	15.570	25.598
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.940	18.071	43.669
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	24.095	39.801	83.470
-1.75	3.364	0.030	0.050	0.050	2.75	0.149	5.721	9.450	92.920
-1.50	2.828	0.000	0.000	0.050	3.00	0.125	3.021	4.990	97.910
-1.25	2.378	0.012	0.020	0.069	3.25	0.105	1.059	1.749	99.660
-1.00	2.000	0.012	0.020	0.089	3.50	0.088	0.170	0.281	99.941
-0.75	1.682	0.030	0.050	0.139	3.75	0.074	0.030	0.050	99.990
-0.50	1.414	0.030	0.050	0.188	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	0.030	0.050	0.238	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.030	0.050	0.287	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.030	0.050	0.337	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.030	0.050	0.387	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.079	0.130	0.517	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.182	0.301	0.818	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.291	0.481	1.298	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.598	2.640	3.938	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.089	0.728	24.781	74.402	0.000	0.000
Unified Classification	0.000	0.089	1.209	98.692	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.22	0.42	-1.58	13.70
Folk Graphic Measures (PHI)	2.29	2.22	0.37	-0.23	1.18
Grain Size (mm)	0.20	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216109	841002		850903	NT

X Position : 3300.00 Y Position : 744.25

Elevation of Top of Core : -7.16
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.280 Final Weight : 53.261 Deviation : 0.036 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.570	8.580	24.170
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.519	19.750	43.920
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.699	18.210	62.130
-2.00	4.000	0.011	0.021	0.021	2.50	0.177	12.979	24.369	86.499
-1.75	3.364	0.091	0.171	0.192	2.75	0.149	3.877	7.279	93.778
-1.50	2.828	0.037	0.069	0.261	3.00	0.125	2.200	4.131	97.908
-1.25	2.378	0.309	0.580	0.841	3.25	0.105	0.762	1.431	99.339
-1.00	2.000	0.229	0.430	1.271	3.50	0.088	0.272	0.511	99.850
-0.75	1.682	0.128	0.240	1.511	3.75	0.074	0.069	0.130	99.979
-0.50	1.414	0.282	0.529	2.041	4.00	0.063	0.011	0.021	100.000
-0.25	1.189	0.282	0.529	2.570	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.282	0.529	3.100	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.421	0.790	3.890	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.447	0.839	4.730	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.602	1.130	5.860	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.932	1.750	7.610	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.969	1.819	9.429	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.281	6.160	15.589	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.271	6.339	36.310	56.080	0.000	0.000
Unified Classification	0.000	1.271	8.158	90.550	0.021	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.96	0.73	-2.03	9.33
Folk Graphic Measures (PHI)	2.08	2.02	0.58	-0.27	1.49
Grain Size (mm)	0.24	0.26			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216110	841002		850903	NT

X Position : 3300.00 Y Position : 952.28

Elevation of Top of Core : -12.92
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : AGGREGATES AND ROCK: PHI= -1.0 TO -0.5.

Start Weight : 62.600 Final Weight : 62.339 Deviation : 0.417 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.349	0.560	4.389
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.035	1.660	6.049
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.565	2.510	8.560
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.290	10.090	18.650
-1.75	3.364	0.019	0.030	0.030	2.75	0.149	14.718	23.610	42.259
-1.50	2.828	0.081	0.130	0.160	3.00	0.125	20.460	32.821	75.080
-1.25	2.378	0.112	0.180	0.340	3.25	0.105	8.671	13.909	88.989
-1.00	2.000	0.112	0.180	0.520	3.50	0.088	3.248	5.210	94.199
-0.75	1.682	0.156	0.250	0.770	3.75	0.074	2.039	3.271	97.470
-0.50	1.414	0.050	0.080	0.850	4.00	0.063	1.577	2.530	100.000
-0.25	1.189	0.137	0.220	1.070	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.131	0.210	1.280	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.218	0.350	1.630	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.249	0.399	2.029	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.299	0.480	2.509	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.287	0.460	2.969	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.199	0.319	3.288	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.337	0.541	3.829	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.520	2.450	3.080	93.951	0.000	0.000
Unified Classification	0.000	0.520	2.769	94.182	2.530	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.73	0.65	-2.87	16.60
Folk Graphic Measures (PHI)	2.81	2.80	0.44	-0.08	1.63
Grain Size (mm)	0.14	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216111	841002		850904	NT

X Position : 3300.00 Y Position : 985.24

Elevation of Top of Core : -12.92
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 64.750 Final Weight : 64.618 Deviation : 0.204 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.239	0.370	1.659
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.859	1.329	2.988
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.260	1.950	4.938
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.583	14.830	19.768
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	18.759	29.031	48.799
-1.50	2.828	0.052	0.080	0.080	3.00	0.125	20.439	31.631	80.430
-1.25	2.378	0.019	0.029	0.110	3.25	0.105	6.372	9.861	90.291
-1.00	2.000	0.006	0.009	0.119	3.50	0.088	3.567	5.520	95.811
-0.75	1.682	0.019	0.029	0.149	3.75	0.074	1.667	2.580	98.391
-0.50	1.414	0.039	0.060	0.209	4.00	0.063	1.040	1.609	100.000
-0.25	1.189	0.039	0.060	0.269	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.032	0.050	0.319	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.071	0.110	0.429	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.078	0.121	0.549	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.097	0.150	0.699	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.142	0.220	0.919	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.058	0.090	1.009	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.181	0.280	1.289	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.119	0.800	2.069	97.012	0.000	0.000
Unified Classification	0.000	0.119	0.890	97.382	1.609	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.75	0.46	-2.18	19.95
Folk Graphic Measures (PHI)	2.76	2.76	0.35	0.09	1.21
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216112	841002		850904	NT

X Position : 3300.00 Y Position : 1230.00

Elevation of Top of Core : -13.74
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.320 Final Weight : 60.228 Deviation : 0.153 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.078	0.130	2.027
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.319	0.530	2.557
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.650	1.079	3.636
-2.00	4.000	0.078	0.130	0.130	2.50	0.177	8.962	14.880	18.516
-1.75	3.364	0.048	0.080	0.209	2.75	0.149	22.327	37.071	55.587
-1.50	2.828	0.000	0.000	0.209	3.00	0.125	17.708	29.402	84.989
-1.25	2.378	0.042	0.070	0.279	3.25	0.105	5.222	8.670	93.659
-1.00	2.000	0.090	0.149	0.428	3.50	0.088	2.271	3.771	97.430
-0.75	1.682	0.048	0.080	0.508	3.75	0.074	0.867	1.440	98.869
-0.50	1.414	0.133	0.221	0.729	4.00	0.063	0.681	1.131	100.000
-0.25	1.189	0.078	0.130	0.858	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.133	0.221	1.079	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.139	0.231	1.310	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.120	0.199	1.509	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.072	0.120	1.629	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.072	0.120	1.748	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.018	0.030	1.778	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.072	0.120	1.898	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.428	1.320	0.809	97.443	0.000	0.000
Unified Classification	0.000	0.428	1.350	97.091	1.131	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.70	0.53	-4.09	31.61
Folk Graphic Measures (PHI)	2.71	2.72	0.29	0.11	1.18
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216113	841002		850904	NT

X Position : 3300.00 Y Position : 1499.79

Elevation of Top of Core : -15.97
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 49.370 Final Weight : 49.279 Deviation : 0.184 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.379	0.769	4.899
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.030	2.090	6.989
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.158	2.350	9.339
-2.00	4.000	0.039	0.079	0.079	2.50	0.177	7.722	15.670	25.009
-1.75	3.364	0.099	0.201	0.280	2.75	0.149	10.871	22.060	47.069
-1.50	2.828	0.059	0.120	0.400	3.00	0.125	13.818	28.040	75.109
-1.25	2.378	0.138	0.280	0.680	3.25	0.105	6.303	12.790	87.900
-1.00	2.000	0.039	0.079	0.759	3.50	0.088	3.169	6.431	94.330
-0.75	1.682	0.079	0.160	0.919	3.75	0.074	1.779	3.610	97.940
-0.50	1.414	0.128	0.260	1.179	4.00	0.063	1.015	2.060	100.000
-0.25	1.189	0.069	0.140	1.319	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.089	0.181	1.500	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.128	0.260	1.759	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.168	0.341	2.100	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.232	0.471	2.571	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.310	0.629	3.200	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.108	0.219	3.419	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.350	0.710	4.130	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.759	2.441	3.789	93.011	0.000	0.000
Unified Classification	0.000	0.759	2.660	94.521	2.060	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.69	0.69	-2.94	17.14
Folk Graphic Measures (PHI)	2.78	2.77	0.47	-0.08	1.46
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216114	841002		850904	NT

X Position : 3300.00 Y Position : 1743.24

Elevation of Top of Core : -18.50
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 63.490 Final Weight : 63.412 Deviation : 0.123 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.032	0.050	0.735
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.114	0.180	0.915
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.222	0.350	1.265
-2.00	4.000	0.013	0.021	0.021	2.50	0.177	2.251	3.550	4.815
-1.75	3.364	0.089	0.140	0.161	2.75	0.149	10.608	16.729	21.543
-1.50	2.828	0.013	0.021	0.181	3.00	0.125	26.182	41.289	62.832
-1.25	2.378	0.013	0.021	0.202	3.25	0.105	12.809	20.200	83.032
-1.00	2.000	0.000	0.000	0.202	3.50	0.088	5.079	8.010	91.041
-0.75	1.682	0.019	0.030	0.232	3.75	0.074	2.866	4.520	95.561
-0.50	1.414	0.013	0.021	0.252	4.00	0.063	2.815	4.439	100.000
-0.25	1.189	0.038	0.060	0.312	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.070	0.110	0.423	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.051	0.080	0.503	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.032	0.050	0.554	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.032	0.050	0.604	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.019	0.030	0.634	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.013	0.021	0.654	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.019	0.030	0.684	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.202	0.432	0.281	99.085	0.000	0.000
Unified Classification	0.000	0.202	0.453	94.906	4.439	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.96	0.45	-3.37	36.65
Folk Graphic Measures (PHI)	2.92	2.96	0.34	0.24	1.31
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216115	841002		850904	NT

X Position : 3300.00 Y Position : 1981.62

Elevation of Top of Core : -20.53
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.280 Final Weight : 50.229 Deviation : 0.101 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.020	0.040	0.858
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.100	0.199	1.057
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.181	0.360	1.418
-2.00	4.000	0.010	0.020	0.020	2.50	0.177	1.919	3.821	5.238
-1.75	3.364	0.131	0.261	0.281	2.75	0.149	8.469	16.861	22.099
-1.50	2.828	0.000	0.000	0.281	3.00	0.125	18.992	37.811	59.910
-1.25	2.378	0.020	0.040	0.321	3.25	0.105	10.779	21.460	81.369
-1.00	2.000	0.020	0.040	0.360	3.50	0.088	4.832	9.620	90.989
-0.75	1.682	0.010	0.020	0.380	3.75	0.074	2.441	4.860	95.849
-0.50	1.414	0.020	0.040	0.420	4.00	0.063	2.085	4.151	100.000
-0.25	1.189	0.020	0.040	0.460	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.050	0.100	0.559	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.050	0.100	0.659	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.010	0.020	0.679	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.020	0.040	0.719	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.010	0.020	0.739	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.010	0.020	0.759	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.030	0.060	0.818	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.360	0.378	0.319	98.943	0.000	0.000
Unified Classification	0.000	0.360	0.398	95.090	4.151	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.96	0.49	-3.99	39.71
Folk Graphic Measures (PHI)	2.93	2.97	0.35	0.21	1.23
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216116	841002		850904	SGU

X Position : 3300.00 Y Position : 2465.92

Elevation of Top of Core : -23.86
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 48.930 Final Weight : 48.289 Deviation : 1.310 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.039	0.081	0.820
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.077	0.159	0.980
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.130	0.269	1.249
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.547	17.700	18.948
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	18.220	37.731	56.680
-1.50	2.828	0.048	0.099	0.099	3.00	0.125	11.459	23.730	80.410
-1.25	2.378	0.000	0.000	0.099	3.25	0.105	4.361	9.031	89.441
-1.00	2.000	0.019	0.039	0.139	3.50	0.088	2.897	5.999	95.440
-0.75	1.682	0.000	0.000	0.139	3.75	0.074	1.299	2.690	98.130
-0.50	1.414	0.029	0.060	0.199	4.00	0.063	0.903	1.870	100.000
-0.25	1.189	0.068	0.141	0.340	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.039	0.081	0.420	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.019	0.039	0.460	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.019	0.039	0.499	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.019	0.039	0.538	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.039	0.081	0.619	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.019	0.039	0.659	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.039	0.081	0.739	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.139	0.480	0.360	99.020	0.000	0.000
Unified Classification	0.000	0.139	0.520	97.471	1.870	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.76	0.43	-2.17	25.33
Folk Graphic Measures (PHI)	2.71	2.75	0.34	0.27	1.20
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216117	841002		850904	SGU

X Position : 3300.00 Y Position : 2962.58

Elevation of Top of Core : -26.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 48.130 Final Weight : 48.162 Deviation : 0.066 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.019	0.039	0.455
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.067	0.139	0.594
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.111	0.230	0.824
-2.00	4.000	0.010	0.021	0.021	2.50	0.177	1.141	2.369	3.193
-1.75	3.364	0.010	0.021	0.042	2.75	0.149	12.050	25.020	28.213
-1.50	2.828	0.000	0.000	0.042	3.00	0.125	17.742	36.838	65.051
-1.25	2.378	0.000	0.000	0.042	3.25	0.105	6.299	13.079	78.130
-1.00	2.000	0.000	0.000	0.042	3.50	0.088	4.517	9.379	87.509
-0.75	1.682	0.000	0.000	0.042	3.75	0.074	2.707	5.621	93.129
-0.50	1.414	0.000	0.000	0.042	4.00	0.063	3.309	6.871	100.000
-0.25	1.189	0.019	0.039	0.081	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.010	0.021	0.102	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.010	0.021	0.123	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.101	0.210	0.332	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.010	0.021	0.353	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.010	0.021	0.374	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.010	0.021	0.395	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.010	0.021	0.415	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.042	0.332	0.220	99.406	0.000	0.000
Unified Classification	0.000	0.042	0.353	92.735	6.871	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.98	0.42	-0.91	15.94
Folk Graphic Measures (PHI)	2.90	2.98	0.39	0.36	1.13
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216301	841015		850910	SGU

X Position : 3300.00 Y Position : 178.55

Elevation of Top of Core : 21.55
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 60.180 Final Weight : 60.050 Deviation : 0.216 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.395	13.980	76.090
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.999	13.321	89.410
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.498	4.160	93.570
-2.00	4.000	0.012	0.020	0.020	2.50	0.177	2.912	4.849	98.420
-1.75	3.364	0.012	0.020	0.040	2.75	0.149	0.643	1.071	99.490
-1.50	2.828	0.000	0.000	0.040	3.00	0.125	0.228	0.380	99.870
-1.25	2.378	0.000	0.000	0.040	3.25	0.105	0.042	0.070	99.940
-1.00	2.000	0.000	0.000	0.040	3.50	0.088	0.012	0.020	99.960
-0.75	1.682	0.018	0.030	0.070	3.75	0.074	0.012	0.020	99.980
-0.50	1.414	0.360	0.600	0.669	4.00	0.063	0.012	0.020	100.000
-0.25	1.189	0.901	1.500	2.170	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.429	2.380	4.550	4.50	0.044	0.000	0.000	100.000
0.25	0.841	3.093	5.151	9.700	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.897	6.490	16.190	5.00	0.031	0.000	0.000	100.000
0.75	0.595	5.080	8.460	24.649	5.25	0.026	0.000	0.000	100.000
1.00	0.500	7.933	13.211	37.860	5.50	0.022	0.000	0.000	100.000
1.25	0.420	7.206	12.000	49.860	5.75	0.019	0.000	0.000	100.000
1.50	0.354	7.356	12.250	62.110	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.040	37.820	51.550	10.590	0.000	0.000
Unified Classification	0.000	0.040	49.820	50.120	0.020	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.21	0.69	-0.24	2.82
Folk Graphic Measures (PHI)	1.25	1.21	0.70	-0.08	0.97
Grain Size (mm)	0.42	0.43			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216302	841015		850916	SGU

X Position : 3300.00 Y Position : 193.59

Elevation of Top of Core : 18.11
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 60.570 Final Weight : 60.278 Deviation : 0.482 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	10.459	17.351	78.541
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.608	14.281	92.822
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.037	3.379	96.201
-2.00	4.000	0.012	0.020	0.020	2.50	0.177	1.808	2.999	99.200
-1.75	3.364	0.012	0.020	0.040	2.75	0.149	0.350	0.581	99.781
-1.50	2.828	0.000	0.000	0.040	3.00	0.125	0.102	0.169	99.950
-1.25	2.378	0.000	0.000	0.040	3.25	0.105	0.018	0.030	99.980
-1.00	2.000	0.018	0.030	0.070	3.50	0.088	0.012	0.020	100.000
-0.75	1.682	0.012	0.020	0.090	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.012	0.020	0.109	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.012	0.020	0.129	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.018	0.030	0.159	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.048	0.080	0.239	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.212	2.011	2.250	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.767	6.249	8.499	5.25	0.026	0.000	0.000	100.000
1.00	0.500	10.591	17.570	26.069	5.50	0.022	0.000	0.000	100.000
1.25	0.420	10.585	17.560	43.630	5.75	0.019	0.000	0.000	100.000
1.50	0.354	10.585	17.560	61.190	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.070	26.000	66.752	7.178	0.000	0.000
Unified Classification	0.000	0.070	43.560	56.370	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.35	0.48	0.02	3.90
Folk Graphic Measures (PHI)	1.34	1.35	0.48	0.04	0.89
Grain Size (mm)	0.39	0.39			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216303	841015		850910	NT

X Position : 3300.00 Y Position : 230.65

Elevation of Top of Core : 12.70
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 61.760 Final Weight : 61.730 Deviation : 0.049 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.963	6.420	86.180
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.191	6.789	92.969
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.630	2.641	95.610
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.093	3.391	99.000
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.469	0.760	99.760
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.111	0.180	99.940
-1.25	2.378	0.111	0.180	0.180	3.25	0.105	0.019	0.031	99.971
-1.00	2.000	0.272	0.441	0.620	3.50	0.088	0.012	0.019	99.990
-0.75	1.682	0.821	1.330	1.950	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	2.531	4.100	6.051	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	4.191	6.789	12.840	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.451	7.210	20.050	4.50	0.044	0.000	0.000	100.000
0.25	0.841	7.321	11.860	31.910	4.75	0.037	0.000	0.000	100.000
0.50	0.707	7.476	12.111	44.021	5.00	0.031	0.000	0.000	100.000
0.75	0.595	6.840	11.081	55.101	5.25	0.026	0.000	0.000	100.000
1.00	0.500	7.432	12.040	67.141	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.512	7.309	74.450	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.278	5.310	79.760	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.620	66.520	25.829	7.031	0.000	0.000
Unified Classification	0.000	0.620	73.830	25.540	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.71	0.83	0.26	2.47
Folk Graphic Measures (PHI)	0.63	0.72	0.87	0.14	0.96
Grain Size (mm)	0.64	0.61			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216304	841015		850910	NT

X Position : 3300.00 Y Position : 272.70

Elevation of Top of Core : 7.97
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY MOD. LINEAR FIT 27 JUN 86

Start Weight : 60.180 Final Weight : 60.100 Deviation : 0.133 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.759	4.591	87.511
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.432	5.710	93.221
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.388	2.309	95.531
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.947	3.240	98.770
-1.75	3.364	0.210	0.349	0.349	2.75	0.149	0.523	0.870	99.641
-1.50	2.828	0.313	0.521	0.870	3.00	0.125	0.138	0.230	99.870
-1.25	2.378	0.757	1.260	2.130	3.25	0.105	0.042	0.070	99.940
-1.00	2.000	1.809	3.010	5.140	3.50	0.088	0.012	0.020	99.960
-0.75	1.682	3.390	5.641	10.780	3.75	0.074	0.012	0.020	99.980
-0.50	1.414	6.509	10.830	21.611	4.00	0.063	0.012	0.020	100.000
-0.25	1.189	6.022	10.020	31.631	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.832	8.040	39.671	4.50	0.044	0.000	0.000	100.000
0.25	0.841	6.268	10.429	50.100	4.75	0.037	0.000	0.000	100.000
0.50	0.707	5.397	8.980	59.080	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.760	7.920	67.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.610	7.671	74.671	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.855	4.750	79.421	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.103	3.499	82.920	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	5.140	69.531	18.551	6.779	0.000	0.000
Unified Classification	0.000	5.140	74.281	20.559	0.020	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.38	0.99	0.39	2.43
Folk Graphic Measures (PHI)	0.25	0.39	1.03	0.21	0.92
Grain Size (mm)	0.84	0.77			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216307	841016		850910	NT

X Position : 3300.00 Y Position : 433.12

Elevation of Top of Core : -5.46
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 61.310 Final Weight : 61.168 Deviation : 0.232 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.538	0.880	88.520
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.973	1.591	90.111
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.752	1.229	91.340
-2.00	4.000	5.811	9.500	9.500	2.50	0.177	1.982	3.240	94.580
-1.75	3.364	3.089	5.050	14.550	2.75	0.149	1.639	2.680	97.260
-1.50	2.828	3.737	6.109	20.659	3.00	0.125	1.199	1.960	99.220
-1.25	2.378	5.848	9.561	30.220	3.25	0.105	0.361	0.590	99.810
-1.00	2.000	8.160	13.340	43.560	3.50	0.088	0.092	0.150	99.961
-0.75	1.682	6.979	11.410	54.970	3.75	0.074	0.018	0.029	99.990
-0.50	1.414	8.325	13.610	68.580	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	4.539	7.421	76.001	4.25	0.053	0.000	0.000	100.000
0.00	1.000	2.300	3.760	79.761	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.713	2.800	82.561	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.009	1.650	84.211	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.722	1.180	85.391	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.587	0.960	86.351	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.208	0.340	86.691	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.581	0.950	87.641	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	43.560	42.790	3.760	9.889	0.000	0.000
Unified Classification	0.000	43.560	43.130	13.299	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		-0.55	1.32	1.28	3.91
Folk Graphic Measures (PHI)	-0.86	-0.69	1.25	0.34	1.73
Grain Size (mm)	1.81	1.47			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216308	841016		850910	NT

X Position : 3300.00 Y Position : 564.24

Elevation of Top of Core : -8.09
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 63.250 Final Weight : 64.563 Deviation : 2.076 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.283	12.829	50.210
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	11.363	17.600	67.810
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.759	8.920	76.730
-2.00	4.000	1.311	2.031	2.031	2.50	0.177	9.523	14.750	91.480
-1.75	3.364	0.297	0.460	2.491	2.75	0.149	3.222	4.990	96.470
-1.50	2.828	0.220	0.341	2.831	3.00	0.125	1.917	2.969	99.439
-1.25	2.378	0.439	0.680	3.511	3.25	0.105	0.291	0.451	99.890
-1.00	2.000	0.600	0.929	4.441	3.50	0.088	0.052	0.081	99.971
-0.75	1.682	0.652	1.010	5.450	3.75	0.074	0.013	0.020	99.991
-0.50	1.414	0.962	1.490	6.941	4.00	0.063	0.006	0.009	100.000
-0.25	1.189	0.859	1.330	8.271	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.801	1.241	9.512	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.110	1.719	11.231	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.491	2.309	13.540	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.008	3.110	16.650	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.803	5.890	22.541	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.079	3.220	25.761	5.75	0.019	0.000	0.000	100.000
1.50	0.354	7.502	11.620	37.381	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	4.441	18.100	45.269	32.190	0.000	0.000
Unified Classification	0.000	4.441	21.320	74.230	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.49	1.05	-1.53	5.44
Folk Graphic Measures (PHI)	1.75	1.61	0.95	-0.36	1.43
Grain Size (mm)	0.30	0.36			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216309	841016		850910	NT

X Position : 3300.00 Y Position : 703.63

Elevation of Top of Core : -7.21
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.120 Final Weight : 58.051 Deviation : 0.119 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.389	7.561	65.480
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	6.728	11.590	77.070
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.622	6.239	83.310
-2.00	4.000	0.389	0.670	0.670	2.50	0.177	5.712	9.840	93.149
-1.75	3.364	0.122	0.210	0.880	2.75	0.149	2.363	4.071	97.220
-1.50	2.828	0.650	1.120	2.000	3.00	0.125	1.260	2.171	99.390
-1.25	2.378	1.161	2.000	4.000	3.25	0.105	0.279	0.481	99.871
-1.00	2.000	1.521	2.620	6.620	3.50	0.088	0.058	0.100	99.971
-0.75	1.682	1.591	2.741	9.361	3.75	0.074	0.017	0.029	100.000
-0.50	1.414	3.013	5.190	14.551	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	3.291	5.669	20.220	4.25	0.053	0.000	0.000	100.000
0.00	1.000	2.618	4.510	24.730	4.50	0.044	0.000	0.000	100.000
0.25	0.841	3.442	5.929	30.659	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.158	5.440	36.099	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.048	5.251	41.350	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.611	6.220	47.570	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.358	2.339	49.910	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.650	8.010	57.920	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	6.620	40.950	29.500	22.930	0.000	0.000
Unified Classification	0.000	6.620	43.290	50.090	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.97	1.21	-0.39	2.15
Folk Graphic Measures (PHI)	1.25	1.03	1.25	-0.26	0.79
Grain Size (mm)	0.42	0.51			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216310	841016		850910	SGU

X Position : 3300.00 Y Position : 838.51

Elevation of Top of Core : -8.67
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : MICA CHIPS PRESENT

Start Weight : 66.160 Final Weight : 66.160 Deviation : 0.000 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.999	1.510	6.542
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.837	5.800	12.341
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.478	8.280	20.621
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	27.284	41.239	61.861
-1.75	3.364	0.013	0.020	0.020	2.75	0.149	14.793	22.359	84.220
-1.50	2.828	0.000	0.000	0.020	3.00	0.125	7.628	11.530	95.750
-1.25	2.378	0.013	0.020	0.039	3.25	0.105	1.998	3.020	98.770
-1.00	2.000	0.040	0.060	0.100	3.50	0.088	0.642	0.970	99.740
-0.75	1.682	0.000	0.000	0.100	3.75	0.074	0.132	0.200	99.940
-0.50	1.414	0.060	0.091	0.190	4.00	0.063	0.040	0.060	100.000
-0.25	1.189	0.020	0.030	0.221	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.221	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.020	0.030	0.251	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.033	0.050	0.301	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.038	3.080	3.381	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.318	0.481	3.862	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.172	0.260	4.122	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.602	0.910	5.032	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.100	3.762	8.479	87.659	0.000	0.000
Unified Classification	0.000	0.100	4.022	95.818	0.060	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.38	0.50	-2.09	11.03
Folk Graphic Measures (PHI)	2.43	2.43	0.39	-0.13	1.65
Grain Size (mm)	0.19	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216311	841016		850910	NT

X Position : 3300.00 Y Position : 1047.38

Elevation of Top of Core : -13.50
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.250 Final Weight : 53.190 Deviation : 0.113 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.420	0.790	6.962
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.968	1.820	8.782
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.122	2.109	10.891
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.569	19.870	30.761
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	17.297	32.519	63.281
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	14.601	27.451	90.731
-1.25	2.378	0.011	0.021	0.021	3.25	0.105	3.048	5.730	96.462
-1.00	2.000	0.032	0.060	0.081	3.50	0.088	1.441	2.709	99.171
-0.75	1.682	0.011	0.021	0.102	3.75	0.074	0.372	0.699	99.870
-0.50	1.414	0.101	0.190	0.291	4.00	0.063	0.069	0.130	100.000
-0.25	1.189	0.128	0.241	0.532	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.128	0.241	0.773	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.319	0.600	1.372	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.500	0.940	2.312	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.622	1.169	3.482	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.702	1.320	4.802	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.218	0.410	5.212	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.511	0.961	6.172	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.081	4.721	3.980	91.218	0.000	0.000
Unified Classification	0.000	0.081	5.131	94.659	0.130	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.54	0.60	-2.52	11.31
Folk Graphic Measures (PHI)	2.65	2.63	0.47	-0.27	1.97
Grain Size (mm)	0.16	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216312	841016		850910	SGU

X Position : 3300.00 Y Position : 1200.26

Elevation of Top of Core : -13.64
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.500 Final Weight : 57.409 Deviation : 0.158 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.390	0.679	6.767
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.947	1.650	8.417
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.229	2.141	10.558
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	13.331	23.221	33.779
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	20.891	36.390	70.168
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	12.889	22.451	92.620
-1.25	2.378	0.011	0.019	0.019	3.25	0.105	2.807	4.889	97.509
-1.00	2.000	0.011	0.019	0.038	3.50	0.088	1.062	1.850	99.359
-0.75	1.682	0.017	0.030	0.068	3.75	0.074	0.299	0.521	99.880
-0.50	1.414	0.040	0.070	0.138	4.00	0.063	0.069	0.120	100.000
-0.25	1.189	0.052	0.091	0.228	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.080	0.139	0.368	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.310	0.540	0.908	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.603	1.050	1.958	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.752	1.310	3.268	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.878	1.529	4.797	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.270	0.470	5.267	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.471	0.820	6.088	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.038	4.759	3.620	91.583	0.000	0.000
Unified Classification	0.000	0.038	5.229	94.612	0.120	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.52	0.56	-2.45	10.87
Folk Graphic Measures (PHI)	2.61	2.61	0.45	-0.26	2.07
Grain Size (mm)	0.16	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216313	841016		850910	SGU

X Position : 3300.00 Y Position : 1404.57

Elevation of Top of Core : -15.02
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.830 Final Weight : 57.759 Deviation : 0.123 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.918	1.589	13.407
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.253	3.901	17.308
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.513	4.351	21.659
-2.00	4.000	0.352	0.609	0.609	2.50	0.177	24.825	42.980	64.639
-1.75	3.364	0.000	0.000	0.609	2.75	0.149	11.292	19.550	84.189
-1.50	2.828	0.012	0.021	0.630	3.00	0.125	5.892	10.201	94.390
-1.25	2.378	0.092	0.159	0.789	3.25	0.105	2.160	3.740	98.130
-1.00	2.000	0.040	0.069	0.859	3.50	0.088	0.809	1.401	99.531
-0.75	1.682	0.052	0.090	0.949	3.75	0.074	0.231	0.400	99.931
-0.50	1.414	0.058	0.100	1.049	4.00	0.063	0.040	0.069	100.000
-0.25	1.189	0.133	0.230	1.279	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.202	0.350	1.629	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.427	0.739	2.368	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.797	1.380	3.748	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.328	2.299	6.048	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.681	2.910	8.958	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.601	1.041	9.998	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.051	1.820	11.818	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.859	8.099	8.350	82.692	0.000	0.000
Unified Classification	0.000	0.859	9.140	89.932	0.069	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.26	0.75	-2.48	11.70
Folk Graphic Measures (PHI)	2.41	2.36	0.57	-0.34	2.71
Grain Size (mm)	0.19	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216314	841016		850910	SGU

X Position : 3300.00 Y Position : 1689.57

Elevation of Top of Core : -17.91
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.870 Final Weight : 54.766 Deviation : 0.190 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.049	0.089	1.205
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.389	0.710	1.915
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.991	1.810	3.725
-2.00	4.000	0.120	0.219	0.219	2.50	0.177	15.429	28.173	31.898
-1.75	3.364	0.000	0.000	0.219	2.75	0.149	18.019	32.902	64.799
-1.50	2.828	0.060	0.110	0.329	3.00	0.125	12.761	23.301	88.100
-1.25	2.378	0.131	0.239	0.568	3.25	0.105	4.299	7.850	95.950
-1.00	2.000	0.082	0.150	0.718	3.50	0.088	1.451	2.649	98.599
-0.75	1.682	0.027	0.049	0.767	3.75	0.074	0.630	1.150	99.750
-0.50	1.414	0.022	0.040	0.807	4.00	0.063	0.137	0.250	100.000
-0.25	1.189	0.038	0.069	0.876	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.027	0.049	0.926	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.011	0.020	0.946	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.946	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.022	0.040	0.986	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.022	0.040	1.026	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.022	0.040	1.066	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.027	0.049	1.116	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.718	0.309	0.889	98.085	0.000	0.000
Unified Classification	0.000	0.718	0.349	98.683	0.250	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.63	0.50	-4.92	43.90
Folk Graphic Measures (PHI)	2.64	2.65	0.29	0.14	0.93
Grain Size (mm)	0.16	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216315	841016		850910	SGU

X Position : 3300.00 Y Position : 1950.76

Elevation of Top of Core : -20.40
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.330 Final Weight : 50.177 Deviation : 0.304 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.060	0.120	0.996
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.241	0.480	1.477
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.401	0.799	2.276
-2.00	4.000	0.110	0.219	0.219	2.50	0.177	2.931	5.841	8.117
-1.75	3.364	0.000	0.000	0.219	2.75	0.149	12.118	24.151	32.268
-1.50	2.828	0.050	0.100	0.319	3.00	0.125	17.347	34.572	66.839
-1.25	2.378	0.000	0.000	0.319	3.25	0.105	9.830	19.591	86.430
-1.00	2.000	0.030	0.060	0.379	3.50	0.088	3.191	6.359	92.790
-0.75	1.682	0.010	0.020	0.399	3.75	0.074	2.670	5.321	98.111
-0.50	1.414	0.060	0.120	0.518	4.00	0.063	0.948	1.889	100.000
-0.25	1.189	0.030	0.060	0.578	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.040	0.080	0.658	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.010	0.020	0.678	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.010	0.020	0.698	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.020	0.040	0.737	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.020	0.040	0.777	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.010	0.020	0.797	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.040	0.080	0.877	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.379	0.399	0.700	98.523	0.000	0.000
Unified Classification	0.000	0.379	0.419	97.314	1.889	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.88	0.49	-4.19	40.82
Folk Graphic Measures (PHI)	2.88	2.89	0.35	0.12	1.18
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216317	841016		850909	NT

X Position : 3300.00 Y Position : 2537.05

Elevation of Top of Core : -24.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.390 Final Weight : 52.300 Deviation : 0.172 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.083	2.071	5.161
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.519	8.641	13.801
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.082	11.629	25.430
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	19.722	37.709	63.140
-1.75	3.364	0.089	0.170	0.170	2.75	0.149	10.821	20.690	83.830
-1.50	2.828	0.000	0.000	0.170	3.00	0.125	5.910	11.300	95.130
-1.25	2.378	0.021	0.040	0.210	3.25	0.105	2.019	3.860	98.990
-1.00	2.000	0.068	0.130	0.340	3.50	0.088	0.392	0.750	99.740
-0.75	1.682	0.099	0.189	0.530	3.75	0.074	0.099	0.189	99.929
-0.50	1.414	0.089	0.170	0.700	4.00	0.063	0.037	0.071	100.000
-0.25	1.189	0.068	0.130	0.830	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.089	0.170	1.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.078	0.149	1.149	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.068	0.130	1.279	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.089	0.170	1.449	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.188	0.359	1.809	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.110	0.210	2.019	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.560	1.071	3.090	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.340	1.468	11.992	86.199	0.000	0.000
Unified Classification	0.000	0.340	1.679	97.910	0.071	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.38	0.51	-3.03	21.26
Folk Graphic Measures (PHI)	2.41	2.40	0.37	-0.06	1.29
Grain Size (mm)	0.19	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216501	841029		850913	NT

X Position : 3300.00 Y Position : 169.73

Elevation of Top of Core : 20.85
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.750 Final Weight : 62.712 Deviation : 0.061 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.137	14.570	56.450
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	12.335	19.669	76.119
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.528	10.409	86.529
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.631	8.979	95.508
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.819	2.901	98.409
-1.50	2.828	0.013	0.021	0.021	3.00	0.125	0.740	1.180	99.589
-1.25	2.378	0.000	0.000	0.021	3.25	0.105	0.182	0.290	99.879
-1.00	2.000	0.069	0.110	0.131	3.50	0.088	0.050	0.080	99.959
-0.75	1.682	0.082	0.131	0.262	3.75	0.074	0.013	0.021	99.979
-0.50	1.414	0.219	0.349	0.611	4.00	0.063	0.013	0.021	100.000
-0.25	1.189	0.508	0.810	1.421	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.759	1.210	2.631	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.461	2.330	4.961	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.270	3.620	8.580	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.998	4.781	13.361	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.500	8.770	22.131	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.167	5.050	27.181	5.75	0.019	0.000	0.000	100.000
1.50	0.354	9.218	14.699	41.880	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.131	22.001	53.988	23.881	0.000	0.000
Unified Classification	0.000	0.131	27.051	72.798	0.021	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.54	0.69	-0.65	3.50
Folk Graphic Measures (PHI)	1.64	1.55	0.68	-0.22	1.08
Grain Size (mm)	0.32	0.34			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216502	841029		850913	NT

X Position : 3300.00 Y Position : 191.81

Elevation of Top of Core : 20.46
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.290 Final Weight : 56.130 Deviation : 0.284 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.408	14.980	76.271
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.021	14.290	90.561
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.829	5.040	95.601
-2.00	4.000	0.011	0.020	0.020	2.50	0.177	1.762	3.139	98.740
-1.75	3.364	0.000	0.000	0.020	2.75	0.149	0.522	0.930	99.670
-1.50	2.828	0.000	0.000	0.020	3.00	0.125	0.152	0.271	99.941
-1.25	2.378	0.000	0.000	0.020	3.25	0.105	0.022	0.039	99.980
-1.00	2.000	0.000	0.000	0.020	3.50	0.088	0.000	0.000	99.980
-0.75	1.682	0.011	0.020	0.039	3.75	0.074	0.011	0.020	100.000
-0.50	1.414	0.101	0.180	0.219	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.410	0.730	0.950	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.758	1.350	2.300	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.673	2.981	5.281	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.571	4.580	9.861	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.862	6.880	16.741	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.302	14.791	31.532	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.361	7.769	39.302	5.75	0.019	0.000	0.000	100.000
1.50	0.354	12.343	21.990	61.292	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.020	31.513	59.029	9.439	0.000	0.000
Unified Classification	0.000	0.020	39.282	60.698	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.30	0.60	-0.38	3.25
Folk Graphic Measures (PHI)	1.37	1.33	0.59	-0.13	0.97
Grain Size (mm)	0.39	0.40			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216503	841029		850913	NT

X Position : 3300.00 Y Position : 229.41

Elevation of Top of Core : 12.06
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 59.960 Final Weight : 59.931 Deviation : 0.048 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.770	7.959	81.500
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.508	9.191	90.691
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.229	3.719	94.410
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.601	4.340	98.750
-1.75	3.364	0.012	0.020	0.020	2.75	0.149	0.569	0.949	99.700
-1.50	2.828	0.000	0.000	0.020	3.00	0.125	0.150	0.250	99.950
-1.25	2.378	0.078	0.130	0.150	3.25	0.105	0.018	0.030	99.980
-1.00	2.000	0.048	0.080	0.230	3.50	0.088	0.000	0.000	99.980
-0.75	1.682	0.330	0.551	0.781	3.75	0.074	0.012	0.020	100.000
-0.50	1.414	1.450	2.419	3.200	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	2.883	4.811	8.011	4.25	0.053	0.000	0.000	100.000
0.00	1.000	3.967	6.619	14.630	4.50	0.044	0.000	0.000	100.000
0.25	0.841	7.042	11.750	26.380	4.75	0.037	0.000	0.000	100.000
0.50	0.707	7.198	12.010	38.391	5.00	0.031	0.000	0.000	100.000
0.75	0.595	6.371	10.631	49.021	5.25	0.026	0.000	0.000	100.000
1.00	0.500	6.658	11.109	60.131	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.050	3.421	63.551	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.987	9.990	73.541	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.230	59.901	30.560	9.309	0.000	0.000
Unified Classification	0.000	0.230	63.321	36.449	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.87	0.83	0.16	2.21
Folk Graphic Measures (PHI)	0.77	0.87	0.85	0.15	0.83
Grain Size (mm)	0.59	0.55			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216504	841029		850916	NT

X Position : 3300.00 Y Position : 265.35

Elevation of Top of Core : 8.39
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.420 Final Weight : 55.359 Deviation : 0.110 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.571	11.870	57.738
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.446	18.870	76.607
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.501	8.131	84.738
-2.00	4.000	0.022	0.040	0.040	2.50	0.177	6.101	11.021	95.759
-1.75	3.364	0.000	0.000	0.040	2.75	0.149	1.772	3.201	98.960
-1.50	2.828	0.011	0.020	0.060	3.00	0.125	0.493	0.891	99.850
-1.25	2.378	0.149	0.269	0.329	3.25	0.105	0.061	0.110	99.960
-1.00	2.000	0.648	1.171	1.499	3.50	0.088	0.022	0.040	100.000
-0.75	1.682	0.709	1.281	2.780	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.212	2.189	4.969	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.489	2.690	7.659	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.268	2.291	9.950	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.860	3.360	13.309	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.347	4.240	17.549	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.862	5.170	22.719	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.517	8.159	30.878	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.921	3.470	34.349	5.75	0.019	0.000	0.000	100.000
1.50	0.354	6.377	11.519	45.868	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	1.499	29.379	45.729	23.393	0.000	0.000
Unified Classification	0.000	1.499	32.849	65.651	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.36	0.90	-0.86	3.18
Folk Graphic Measures (PHI)	1.59	1.41	0.91	-0.35	1.05
Grain Size (mm)	0.33	0.39			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216505	841029		850916	SGU

X Position : 3300.00 Y Position : 300.95

Elevation of Top of Core : 5.99
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 64.890 Final Weight : 64.690 Deviation : 0.308 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.940	13.820	35.781
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	17.829	27.561	63.342
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.257	14.310	77.652
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.971	16.959	94.611
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.568	3.970	98.581
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.718	1.110	99.691
-1.25	2.378	0.123	0.190	0.190	3.25	0.105	0.129	0.199	99.890
-1.00	2.000	0.259	0.400	0.591	3.50	0.088	0.052	0.080	99.971
-0.75	1.682	0.330	0.510	1.101	3.75	0.074	0.013	0.020	99.991
-0.50	1.414	0.563	0.870	1.971	4.00	0.063	0.006	0.009	100.000
-0.25	1.189	0.272	0.420	2.391	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.259	0.400	2.792	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.408	0.631	3.422	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.582	0.900	4.322	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.061	1.640	5.962	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.387	3.690	9.652	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.481	2.289	11.942	5.75	0.019	0.000	0.000	100.000
1.50	0.354	6.482	10.020	21.962	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.591	9.062	53.690	36.658	0.000	0.000
Unified Classification	0.000	0.591	11.351	88.049	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.79	0.65	-1.78	7.97
Folk Graphic Measures (PHI)	1.88	1.86	0.54	-0.20	1.21
Grain Size (mm)	0.27	0.29			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216507	841029		850916	SGU

X Position : 3300.00 Y Position : 457.25

Elevation of Top of Core : -8.61
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.090 Final Weight : 57.768 Deviation : 0.554 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.601	1.040	5.397
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.530	4.380	9.777
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.807	6.590	16.367
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	16.678	28.871	45.238
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	14.772	25.571	70.809
-1.50	2.828	0.092	0.159	0.159	3.00	0.125	11.138	19.281	90.090
-1.25	2.378	0.150	0.260	0.419	3.25	0.105	3.951	6.839	96.929
-1.00	2.000	0.208	0.360	0.779	3.50	0.088	1.369	2.370	99.299
-0.75	1.682	0.231	0.400	1.179	3.75	0.074	0.341	0.590	99.889
-0.50	1.414	0.300	0.519	1.698	4.00	0.063	0.064	0.111	100.000
-0.25	1.189	0.248	0.429	2.127	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.231	0.400	2.527	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.231	0.400	2.927	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.179	0.310	3.237	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.139	0.241	3.478	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.150	0.260	3.737	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.069	0.119	3.857	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.289	0.500	4.357	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.779	2.958	6.040	90.223	0.000	0.000
Unified Classification	0.000	0.779	3.078	96.032	0.111	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.46	0.68	-3.11	16.00
Folk Graphic Measures (PHI)	2.55	2.57	0.40	-0.04	1.30
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216508	841029		850916	SGU

X Position : 3300.00 Y Position : 528.34

Elevation of Top of Core : -3.25
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.060 Final Weight : 56.790 Deviation : 0.473 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.311	5.830	20.752
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.422	14.830	35.582
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.428	13.080	48.662
-2.00	4.000	0.011	0.019	0.019	2.50	0.177	21.910	38.581	87.242
-1.75	3.364	0.000	0.000	0.019	2.75	0.149	4.208	7.410	94.652
-1.50	2.828	0.080	0.141	0.160	3.00	0.125	2.192	3.860	98.512
-1.25	2.378	0.051	0.090	0.250	3.25	0.105	0.579	1.020	99.532
-1.00	2.000	0.131	0.231	0.481	3.50	0.088	0.187	0.329	99.861
-0.75	1.682	0.119	0.210	0.690	3.75	0.074	0.068	0.120	99.981
-0.50	1.414	0.182	0.320	1.011	4.00	0.063	0.011	0.019	100.000
-0.25	1.189	0.250	0.440	1.451	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.290	0.511	1.962	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.591	1.041	3.002	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.772	1.359	4.362	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.011	1.780	6.142	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.658	2.920	9.061	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.738	1.300	10.361	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.590	4.561	14.922	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.481	8.581	26.521	64.418	0.000	0.000
Unified Classification	0.000	0.481	9.880	89.620	0.019	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.03	0.68	-1.87	7.88
Folk Graphic Measures (PHI)	2.26	2.09	0.56	-0.53	1.49
Grain Size (mm)	0.21	0.25			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216509	841029		850917	SGU

X Position : 3300.00 Y Position : 735.54

Elevation of Top of Core : -7.89
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 63.650 Final Weight : 63.572 Deviation : 0.123 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.341	2.109	5.591
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.442	8.560	14.151
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.832	12.320	26.471
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	18.143	28.539	55.010
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	13.000	20.449	75.459
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.752	15.340	90.799
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	3.312	5.210	96.009
-1.00	2.000	0.051	0.080	0.080	3.50	0.088	1.653	2.600	98.609
-0.75	1.682	0.083	0.131	0.211	3.75	0.074	0.693	1.090	99.700
-0.50	1.414	0.121	0.190	0.401	4.00	0.063	0.191	0.300	100.000
-0.25	1.189	0.159	0.250	0.651	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.089	0.140	0.791	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.121	0.190	0.982	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.140	0.220	1.202	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.191	0.300	1.502	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.292	0.459	1.962	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.178	0.280	2.242	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.788	1.240	3.481	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.080	1.881	12.189	85.849	0.000	0.000
Unified Classification	0.000	0.080	2.161	97.458	0.300	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.44	0.54	-1.71	11.12
Folk Graphic Measures (PHI)	2.46	2.46	0.44	-0.00	1.19
Grain Size (mm)	0.18	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216510	841029		850917	SGU

X Position : 3300.00 Y Position : 859.48

Elevation of Top of Core : -10.87
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.820 Final Weight : 57.789 Deviation : 0.054 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.023	1.770	4.207
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.589	6.211	10.417
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.288	7.420	17.837
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	14.968	25.901	43.738
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	13.633	23.591	67.329
-1.50	2.828	0.040	0.069	0.069	3.00	0.125	11.598	20.070	87.399
-1.25	2.378	0.000	0.000	0.069	3.25	0.105	4.138	7.161	94.560
-1.00	2.000	0.000	0.000	0.069	3.50	0.088	2.288	3.959	98.519
-0.75	1.682	0.017	0.029	0.099	3.75	0.074	0.688	1.191	99.709
-0.50	1.414	0.052	0.090	0.189	4.00	0.063	0.168	0.291	100.000
-0.25	1.189	0.029	0.050	0.239	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.040	0.069	0.308	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.069	0.119	0.427	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.092	0.159	0.587	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.098	0.170	0.756	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.179	0.310	1.066	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.191	0.331	1.396	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.601	1.040	2.436	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.069	0.997	9.351	89.583	0.000	0.000
Unified Classification	0.000	0.069	1.327	98.313	0.291	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.55	0.49	-1.49	11.20
Folk Graphic Measures (PHI)	2.57	2.57	0.42	-0.02	1.16
Grain Size (mm)	0.17	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216511	841029		850917	SGU

X Position : 3300.00 Y Position : 1004.83

Elevation of Top of Core : -12.81
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.260 Final Weight : 55.079 Deviation : 0.328 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.341	0.619	7.090
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.969	1.759	8.849
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.190	2.161	11.010
-2.00	4.000	0.138	0.251	0.251	2.50	0.177	5.849	10.619	21.629
-1.75	3.364	0.000	0.000	0.251	2.75	0.149	9.501	17.250	38.879
-1.50	2.828	0.138	0.251	0.501	3.00	0.125	16.331	29.650	68.529
-1.25	2.378	0.171	0.310	0.812	3.25	0.105	9.353	16.981	85.510
-1.00	2.000	0.182	0.330	1.142	3.50	0.088	5.458	9.909	95.419
-0.75	1.682	0.160	0.290	1.432	3.75	0.074	2.523	4.581	100.000
-0.50	1.414	0.308	0.559	1.992	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.242	0.439	2.431	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.270	0.490	2.921	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.319	0.579	3.500	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.402	0.730	4.230	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.353	0.641	4.871	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.408	0.741	5.612	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.132	0.240	5.852	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.341	0.619	6.471	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.142	4.470	3.237	91.151	0.000	0.000
Unified Classification	0.000	1.142	4.710	94.148	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.68	0.83	-2.89	13.07
Folk Graphic Measures (PHI)	2.84	2.81	0.62	-0.31	2.02
Grain Size (mm)	0.14	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216512	841029		850918	SGU

X Position : 3300.00 Y Position : 1217.64

Elevation of Top of Core : -13.54
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.280 Final Weight : 58.231 Deviation : 0.084 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.489	0.840	11.611
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.240	2.129	13.740
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.590	2.731	16.471
-2.00	4.000	0.722	1.240	1.240	2.50	0.177	8.717	14.970	31.440
-1.75	3.364	0.181	0.311	1.551	2.75	0.149	12.968	22.270	53.710
-1.50	2.828	0.303	0.520	2.071	3.00	0.125	13.667	23.470	77.181
-1.25	2.378	0.169	0.290	2.361	3.25	0.105	6.108	10.489	87.670
-1.00	2.000	0.349	0.599	2.961	3.50	0.088	3.762	6.460	94.130
-0.75	1.682	0.198	0.340	3.301	3.75	0.074	2.451	4.209	98.339
-0.50	1.414	0.402	0.690	3.991	4.00	0.063	0.967	1.661	100.000
-0.25	1.189	0.309	0.531	4.522	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.332	0.570	5.092	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.472	0.811	5.902	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.611	1.049	6.952	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.670	1.151	8.102	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.780	1.339	9.442	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.227	0.390	9.832	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.547	0.939	10.771	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	2.961	6.481	4.298	86.260	0.000	0.000
Unified Classification	0.000	2.961	6.871	88.508	1.661	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.47	1.07	-2.42	9.39
Folk Graphic Measures (PHI)	2.71	2.69	0.78	-0.29	2.52
Grain Size (mm)	0.15	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216513	841029		850918	SGU

X Position : 3300.00 Y Position : 1509.43

Elevation of Top of Core : -16.25
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.390 Final Weight : 49.952 Deviation : 0.869 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.140	0.280	4.204
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.769	1.539	5.744
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.349	2.701	8.444
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.831	17.679	26.123
-1.75	3.364	0.160	0.320	0.320	2.75	0.149	12.168	24.359	50.482
-1.50	2.828	0.110	0.220	0.541	3.00	0.125	12.423	24.870	75.352
-1.25	2.378	0.090	0.180	0.721	3.25	0.105	5.649	11.309	86.661
-1.00	2.000	0.040	0.080	0.801	3.50	0.088	3.501	7.009	93.670
-0.75	1.682	0.170	0.340	1.141	3.75	0.074	2.088	4.180	97.850
-0.50	1.414	0.150	0.300	1.441	4.00	0.063	1.074	2.150	100.000
-0.25	1.189	0.220	0.440	1.882	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.150	0.300	2.182	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.220	0.440	2.623	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.190	0.380	3.003	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.160	0.320	3.323	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.150	0.300	3.623	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.040	0.080	3.704	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.110	0.220	3.924	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.801	2.823	2.120	94.256	0.000	0.000
Unified Classification	0.000	0.801	2.903	94.146	2.150	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.68	0.73	-2.99	16.41
Folk Graphic Measures (PHI)	2.75	2.76	0.47	0.03	1.36
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216514	841029		850919	SGU

X Position : 3300.00 Y Position : 1737.94

Elevation of Top of Core : -18.55
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.320 Final Weight : 55.220 Deviation : 0.181 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.121	0.219	2.063
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.607	1.099	3.162
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.138	2.061	5.223
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.228	13.089	18.312
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	12.761	23.109	41.422
-1.50	2.828	0.072	0.130	0.130	3.00	0.125	16.897	30.599	72.021
-1.25	2.378	0.171	0.310	0.440	3.25	0.105	6.637	12.019	84.040
-1.00	2.000	0.232	0.420	0.860	3.50	0.088	4.683	8.481	92.521
-0.75	1.682	0.061	0.110	0.971	3.75	0.074	2.689	4.870	97.390
-0.50	1.414	0.050	0.091	1.061	4.00	0.063	1.441	2.610	100.000
-0.25	1.189	0.039	0.071	1.132	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.050	0.091	1.222	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.039	0.071	1.293	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.039	0.071	1.364	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.050	0.091	1.454	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.088	0.159	1.614	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.039	0.071	1.684	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.088	0.159	1.844	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.860	0.753	1.548	96.838	0.000	0.000
Unified Classification	0.000	0.860	0.824	95.706	2.610	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.80	0.61	-3.26	22.93
Folk Graphic Measures (PHI)	2.82	2.84	0.41	0.12	1.18
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216515	841029		850919	SGU

X Position : 3300.00 Y Position : 2009.84

Elevation of Top of Core : -20.79
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 63.520 Final Weight : 63.402 Deviation : 0.186 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.038	0.060	0.413
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.171	0.270	0.683
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.368	0.580	1.263
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.720	4.290	5.553
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	10.860	17.129	22.682
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	25.379	40.029	62.711
-1.25	2.378	0.038	0.060	0.060	3.25	0.105	11.913	18.790	81.501
-1.00	2.000	0.013	0.021	0.080	3.50	0.088	5.960	9.400	90.901
-0.75	1.682	0.000	0.000	0.080	3.75	0.074	3.810	6.009	96.910
-0.50	1.414	0.000	0.000	0.080	4.00	0.063	1.959	3.090	100.000
-0.25	1.189	0.013	0.021	0.101	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.013	0.021	0.121	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.013	0.021	0.142	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.032	0.050	0.192	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.019	0.030	0.222	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.038	0.060	0.282	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.013	0.021	0.303	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.032	0.050	0.353	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.080	0.202	0.401	99.317	0.000	0.000
Unified Classification	0.000	0.080	0.222	96.607	3.090	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.96	0.39	-1.37	19.26
Folk Graphic Measures (PHI)	2.92	2.96	0.35	0.22	1.24
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216516	841029		850919	SGU

X Position : 3300.00 Y Position : 2467.35

Elevation of Top of Core : -23.77
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.720 Final Weight : 53.522 Deviation : 0.369 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.021	0.039	0.951
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.070	0.131	1.082
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.112	0.209	1.291
-2.00	4.000	0.230	0.430	0.430	2.50	0.177	0.878	1.640	2.932
-1.75	3.364	0.091	0.170	0.600	2.75	0.149	5.352	10.000	12.931
-1.50	2.828	0.059	0.110	0.710	3.00	0.125	25.326	47.319	60.250
-1.25	2.378	0.000	0.000	0.710	3.25	0.105	11.079	20.700	80.950
-1.00	2.000	0.000	0.000	0.710	3.50	0.088	5.261	9.830	90.779
-0.75	1.682	0.000	0.000	0.710	3.75	0.074	2.810	5.250	96.030
-0.50	1.414	0.000	0.000	0.710	4.00	0.063	2.125	3.970	100.000
-0.25	1.189	0.011	0.021	0.731	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.011	0.021	0.751	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.011	0.021	0.772	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.011	0.021	0.792	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.011	0.021	0.813	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.021	0.039	0.852	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.011	0.021	0.873	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.021	0.039	0.912	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.710	0.142	0.230	98.918	0.000	0.000
Unified Classification	0.000	0.710	0.163	95.157	3.970	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.98	0.54	-5.61	53.97
Folk Graphic Measures (PHI)	2.95	3.01	0.31	0.34	1.29
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216517	841029		850919	SGU

X Position : 3300.00 Y Position : 2950.00

Elevation of Top of Core : -26.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.760 Final Weight : 56.689 Deviation : 0.125 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.023	0.041	0.159
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.068	0.120	0.279
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.108	0.191	0.469
-2.00	4.000	0.011	0.019	0.019	2.50	0.177	0.748	1.319	1.789
-1.75	3.364	0.000	0.000	0.019	2.75	0.149	3.900	6.880	8.668
-1.50	2.828	0.000	0.000	0.019	3.00	0.125	19.779	34.890	43.559
-1.25	2.378	0.000	0.000	0.019	3.25	0.105	15.159	26.741	70.299
-1.00	2.000	0.000	0.000	0.019	3.50	0.088	9.133	16.111	86.410
-0.75	1.682	0.000	0.000	0.019	3.75	0.074	4.779	8.430	94.840
-0.50	1.414	0.000	0.000	0.019	4.00	0.063	2.925	5.160	100.000
-0.25	1.189	0.000	0.000	0.019	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.019	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.019	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.011	0.019	0.039	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.039	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.023	0.041	0.079	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.011	0.019	0.099	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.011	0.019	0.118	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.019	0.060	0.199	99.721	0.000	0.000
Unified Classification	0.000	0.019	0.079	94.741	5.160	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.11	0.35	-0.55	14.35
Folk Graphic Measures (PHI)	3.06	3.11	0.34	0.22	1.03
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216702	841127		850924	SGU

X Position : 3300.00 Y Position : 194.25

Elevation of Top of Core : 18.05
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.760 Final Weight : 57.950 Deviation : 1.378 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	10.020	17.291	75.700
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.669	14.959	90.659
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.260	3.900	94.559
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.422	4.179	98.739
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.510	0.880	99.619
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.162	0.280	99.898
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.029	0.050	99.948
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.012	0.021	99.969
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.012	0.021	99.990
-0.50	1.414	0.017	0.029	0.029	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	0.058	0.100	0.129	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.093	0.160	0.290	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.382	0.659	0.949	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.991	1.710	2.659	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.828	4.880	7.539	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.200	14.150	21.689	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.068	7.020	28.709	5.75	0.019	0.000	0.000	100.000
1.50	0.354	17.211	29.700	58.409	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	21.689	68.970	9.341	0.000	0.000
Unified Classification	0.000	0.000	28.709	71.280	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.43	0.49	-0.04	3.49
Folk Graphic Measures (PHI)	1.43	1.41	0.50	-0.02	1.09
Grain Size (mm)	0.37	0.37			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216703	841127		850924	SGU

X Position : 3300.00 Y Position : 229.99

Elevation of Top of Core : 12.63
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 3.92% ERROR WITH RECORDED START WEIGHT OF 53.14.

Start Weight : 50.980 Final Weight : 51.059 Deviation : 0.155 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.549	6.951	83.782
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.401	8.619	92.401
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.670	3.271	95.672
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.700	3.329	99.001
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.398	0.779	99.781
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.092	0.180	99.961
-1.25	2.378	0.061	0.119	0.119	3.25	0.105	0.010	0.020	99.980
-1.00	2.000	0.281	0.550	0.670	3.50	0.088	0.000	0.000	99.980
-0.75	1.682	0.638	1.250	1.919	3.75	0.074	0.010	0.020	100.000
-0.50	1.414	0.541	1.060	2.979	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	4.932	9.659	12.638	4.25	0.053	0.000	0.000	100.000
0.00	1.000	5.091	9.971	22.609	4.50	0.044	0.000	0.000	100.000
0.25	0.841	6.454	12.640	35.249	4.75	0.037	0.000	0.000	100.000
0.50	0.707	5.509	10.789	46.039	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.361	8.541	54.580	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.830	9.460	64.040	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.782	3.490	67.530	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.749	9.301	76.831	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.670	63.370	28.361	7.599	0.000	0.000
Unified Classification	0.000	0.670	66.860	32.470	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.74	0.86	0.25	2.14
Folk Graphic Measures (PHI)	0.62	0.74	0.88	0.19	0.77
Grain Size (mm)	0.65	0.60			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216704	841127		850924	SGU

X Position : 3300.00 Y Position : 262.79

Elevation of Top of Core : 8.15
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 64.580 Final Weight : 64.601 Deviation : 0.033 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	13.482	20.870	60.909
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	15.562	24.089	84.999
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.760	5.820	90.819
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.729	7.320	98.139
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.853	1.320	99.460
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.271	0.419	99.879
-1.25	2.378	0.039	0.060	0.060	3.25	0.105	0.052	0.080	99.960
-1.00	2.000	0.129	0.200	0.260	3.50	0.088	0.013	0.020	99.980
-0.75	1.682	0.278	0.430	0.690	3.75	0.074	0.013	0.020	100.000
-0.50	1.414	0.433	0.670	1.361	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.252	0.390	1.751	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.342	0.529	2.280	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.762	1.180	3.460	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.441	2.231	5.690	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.558	3.960	9.650	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.633	8.720	18.370	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.629	4.070	22.439	5.75	0.019	0.000	0.000	100.000
1.50	0.354	11.370	17.600	40.040	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.260	18.110	66.629	15.001	0.000	0.000
Unified Classification	0.000	0.260	22.179	77.561	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.52	0.61	-1.11	5.45
Folk Graphic Measures (PHI)	1.62	1.51	0.56	-0.26	1.32
Grain Size (mm)	0.33	0.35			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216705	841127		850924	SGU

X Position : 3300.00 Y Position : 284.75

Elevation of Top of Core : 5.66
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.390 Final Weight : 53.357 Deviation : 0.062 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.289	13.661	65.920
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	11.216	21.021	86.941
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.580	6.710	93.650
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.849	5.340	98.990
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.470	0.881	99.871
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.069	0.129	100.000
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	0.021	0.039	0.039	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.069	0.129	0.169	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.313	2.461	2.629	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	4.119	7.720	10.349	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.221	7.911	18.260	4.50	0.044	0.000	0.000	100.000
0.25	0.841	5.517	10.340	28.600	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.058	5.731	34.331	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.467	2.749	37.080	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.150	4.029	41.110	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.971	1.820	42.930	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.978	9.330	52.259	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.039	41.071	45.831	13.059	0.000	0.000
Unified Classification	0.000	0.039	42.890	57.070	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.09	0.93	-0.37	1.71
Folk Graphic Measures (PHI)	1.44	1.11	0.92	-0.42	0.66
Grain Size (mm)	0.37	0.47			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216706	841127		851003	SGU

X Position : 3300.00 Y Position : 336.89

Elevation of Top of Core : 1.86
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 59.610 Final Weight : 59.500 Deviation : 0.185 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.791	3.010	94.151
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.987	3.339	97.491
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.672	1.129	98.620
-2.00	4.000	0.178	0.299	0.299	2.50	0.177	0.660	1.109	99.729
-1.75	3.364	0.000	0.000	0.299	2.75	0.149	0.131	0.220	99.950
-1.50	2.828	0.042	0.071	0.370	3.00	0.125	0.030	0.050	100.000
-1.25	2.378	0.339	0.570	0.939	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	1.000	1.681	2.620	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	1.987	3.339	5.960	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	6.420	10.790	16.750	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	8.943	15.030	31.780	4.25	0.053	0.000	0.000	100.000
0.00	1.000	8.741	14.691	46.471	4.50	0.044	0.000	0.000	100.000
0.25	0.841	9.407	15.810	62.281	4.75	0.037	0.000	0.000	100.000
0.50	0.707	6.450	10.840	73.121	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.992	6.709	79.830	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.308	5.560	85.390	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.881	1.481	86.871	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.541	4.271	91.141	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	2.620	82.770	12.101	2.509	0.000	0.000
Unified Classification	0.000	2.620	84.250	13.129	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.19	0.79	0.75	3.42
Folk Graphic Measures (PHI)	0.06	0.16	0.76	0.27	1.16
Grain Size (mm)	0.96	0.88			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216707	841127		851003	SGU

X Position : 3300.00 Y Position : 459.63

Elevation of Top of Core : -5.77
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.580 Final Weight : 52.590 Deviation : 0.019 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.409	4.581	7.062
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	11.749	22.341	29.403
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.849	20.629	50.032
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	11.002	20.920	70.953
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.441	14.149	85.102
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	5.480	10.420	95.522
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	1.772	3.369	98.891
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.452	0.859	99.751
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.131	0.249	100.000
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.011	0.021	0.021	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.011	0.021	0.042	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.042	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.032	0.061	0.103	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.142	0.270	0.373	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.121	0.230	0.603	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.110	0.209	0.812	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.878	1.670	2.481	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.603	28.800	70.597	0.000	0.000
Unified Classification	0.000	0.000	0.812	99.188	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.27	0.43	-0.04	3.83
Folk Graphic Measures (PHI)	2.25	2.28	0.42	0.09	0.89
Grain Size (mm)	0.21	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216708	841127		851003	SGU

X Position : 3300.00 Y Position : 572.74

Elevation of Top of Core : -2.82
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 61.960 Final Weight : 61.908 Deviation : 0.084 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.850	9.450	19.779
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	17.124	27.660	47.440
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.961	16.090	63.530
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.073	16.271	79.801
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.389	10.320	90.121
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	4.371	7.060	97.181
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	1.312	2.119	99.301
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.328	0.530	99.830
-0.75	1.682	0.031	0.050	0.050	3.75	0.074	0.093	0.150	99.981
-0.50	1.414	0.068	0.110	0.160	4.00	0.063	0.012	0.019	100.000
-0.25	1.189	0.080	0.129	0.289	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.118	0.191	0.480	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.167	0.270	0.749	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.260	0.420	1.169	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.371	0.599	1.769	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.898	1.451	3.219	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.613	0.990	4.209	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.789	6.120	10.330	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	3.219	44.220	52.560	0.000	0.000
Unified Classification	0.000	0.000	4.209	95.771	0.019	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.08	0.53	-0.66	5.48
Folk Graphic Measures (PHI)	2.04	2.10	0.49	0.13	1.07
Grain Size (mm)	0.24	0.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216709	841127		851003	SGU

X Position : 3300.00 Y Position : 731.37

Elevation of Top of Core : -7.11
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.380 Final Weight : 56.358 Deviation : 0.039 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.341	2.379	6.877
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.528	6.260	13.137
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.018	7.129	20.267
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.658	18.911	39.178
-1.75	3.364	0.079	0.140	0.140	2.75	0.149	14.175	25.152	64.330
-1.50	2.828	0.000	0.000	0.140	3.00	0.125	13.571	24.080	88.410
-1.25	2.378	0.028	0.050	0.190	3.25	0.105	4.661	8.270	96.680
-1.00	2.000	0.000	0.000	0.190	3.50	0.088	1.381	2.450	99.131
-0.75	1.682	0.000	0.000	0.190	3.75	0.074	0.428	0.759	99.890
-0.50	1.414	0.039	0.069	0.259	4.00	0.063	0.062	0.110	100.000
-0.25	1.189	0.062	0.110	0.369	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.062	0.110	0.479	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.113	0.201	0.680	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.197	0.350	1.029	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.248	0.440	1.469	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.490	0.869	2.339	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.248	0.440	2.779	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.969	1.719	4.498	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.190	2.149	10.799	86.863	0.000	0.000
Unified Classification	0.000	0.190	2.589	97.111	0.110	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.52	0.56	-2.12	12.67
Folk Graphic Measures (PHI)	2.61	2.55	0.46	-0.23	1.23
Grain Size (mm)	0.16	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216710	841127		851003	SGU

X Position : 3300.00 Y Position : 895.46

Elevation of Top of Core : -10.98
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 61.360 Final Weight : 61.270 Deviation : 0.147 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.349	0.570	2.280
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.409	2.300	4.580
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.420	3.950	8.529
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.619	15.699	24.229
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	15.538	25.360	49.589
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	20.544	33.530	83.119
-1.25	2.378	0.043	0.070	0.070	3.25	0.105	6.317	10.310	93.429
-1.00	2.000	0.000	0.000	0.070	3.50	0.088	2.837	4.630	98.059
-0.75	1.682	0.031	0.051	0.121	3.75	0.074	1.048	1.710	99.770
-0.50	1.414	0.000	0.000	0.121	4.00	0.063	0.141	0.230	100.000
-0.25	1.189	0.049	0.080	0.201	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.049	0.080	0.281	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.098	0.160	0.441	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.129	0.211	0.651	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.147	0.240	0.891	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.202	0.330	1.221	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.067	0.109	1.330	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.233	0.380	1.710	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.070	1.151	3.359	95.420	0.000	0.000
Unified Classification	0.000	0.070	1.260	98.440	0.230	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.70	0.45	-2.26	16.12
Folk Graphic Measures (PHI)	2.75	2.71	0.36	-0.14	1.24
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216711	841127		851004	SGU

X Position : 3300.00 Y Position : 1009.26

Elevation of Top of Core : -12.34
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.390 Final Weight : 54.331 Deviation : 0.108 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.299	0.550	4.732
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.690	1.270	6.002
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.902	1.660	7.662
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.520	10.160	17.822
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	8.399	15.459	33.281
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	15.718	28.930	62.211
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	11.909	21.919	84.131
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	4.678	8.610	92.741
-0.75	1.682	0.033	0.061	0.061	3.75	0.074	3.042	5.599	98.340
-0.50	1.414	0.038	0.070	0.131	4.00	0.063	0.902	1.660	100.000
-0.25	1.189	0.109	0.201	0.331	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.109	0.201	0.532	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.228	0.420	0.952	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.359	0.661	1.612	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.440	0.810	2.422	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.473	0.871	3.293	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.152	0.280	3.573	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.331	0.609	4.182	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	3.293	2.709	93.998	0.000	0.000
Unified Classification	0.000	0.000	3.573	94.767	1.660	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.81	0.61	-2.18	10.54
Folk Graphic Measures (PHI)	2.89	2.87	0.47	-0.16	1.39
Grain Size (mm)	0.13	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216712	841127		851004	SGU

X Position : 3300.00 Y Position : 1235.55

Elevation of Top of Core : -14.20
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.600 Final Weight : 57.298 Deviation : 0.524 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.178	0.311	6.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.521	0.909	6.909
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.682	1.190	8.100
-2.00	4.000	0.768	1.340	1.340	2.50	0.177	5.449	9.510	17.610
-1.75	3.364	0.527	0.920	2.260	2.75	0.149	11.259	19.650	37.260
-1.50	2.828	0.120	0.209	2.470	3.00	0.125	20.416	35.631	72.891
-1.25	2.378	0.149	0.260	2.730	3.25	0.105	7.340	12.810	85.701
-1.00	2.000	0.149	0.260	2.990	3.50	0.088	4.710	8.220	93.921
-0.75	1.682	0.057	0.099	3.089	3.75	0.074	2.962	5.169	99.091
-0.50	1.414	0.132	0.230	3.319	4.00	0.063	0.521	0.909	100.000
-0.25	1.189	0.092	0.161	3.480	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.120	0.209	3.689	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.149	0.260	3.950	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.218	0.380	4.330	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.241	0.421	4.751	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.269	0.469	5.220	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.080	0.140	5.360	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.189	0.330	5.690	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	2.990	2.230	1.689	93.091	0.000	0.000
Unified Classification	0.000	2.990	2.370	93.731	0.909	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.67	0.96	-3.48	16.37
Folk Graphic Measures (PHI)	2.84	2.84	0.59	-0.24	2.45
Grain Size (mm)	0.14	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216713	841127		851004	SGU

X Position : 3300.00 Y Position : 1478.45

Elevation of Top of Core : -16.07
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.260 Final Weight : 50.431 Deviation : 0.340 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.111	0.220	2.843
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.540	1.071	3.914
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.150	2.280	6.195
-2.00	4.000	0.202	0.401	0.401	2.50	0.177	9.057	17.959	24.154
-1.75	3.364	0.000	0.000	0.401	2.75	0.149	9.279	18.399	42.553
-1.50	2.828	0.000	0.000	0.401	3.00	0.125	12.597	24.979	67.532
-1.25	2.378	0.081	0.161	0.561	3.25	0.105	8.538	16.930	84.462
-1.00	2.000	0.040	0.079	0.640	3.50	0.088	3.908	7.749	92.211
-0.75	1.682	0.061	0.121	0.761	3.75	0.074	2.708	5.370	97.581
-0.50	1.414	0.182	0.361	1.122	4.00	0.063	1.220	2.419	100.000
-0.25	1.189	0.091	0.180	1.303	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.111	0.220	1.523	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.111	0.220	1.743	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.121	0.240	1.983	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.121	0.240	2.223	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.101	0.200	2.423	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.030	0.059	2.483	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.071	0.141	2.623	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.640	1.783	1.491	96.086	0.000	0.000
Unified Classification	0.000	0.640	1.842	95.098	2.419	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.77	0.67	-3.24	20.98
Folk Graphic Measures (PHI)	2.82	2.82	0.44	0.02	1.03
Grain Size (mm)	0.14	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216714	841127		851004	SGU

X Position : 3300.00 Y Position : 1781.84

Elevation of Top of Core : -19.09
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.080 Final Weight : 55.790 Deviation : 0.517 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.050	0.090	0.780
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.351	0.629	1.409
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.831	1.490	2.898
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.731	8.480	11.378
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.889	14.141	25.519
-1.50	2.828	0.089	0.160	0.160	3.00	0.125	18.673	33.470	58.989
-1.25	2.378	0.000	0.000	0.160	3.25	0.105	11.147	19.980	78.969
-1.00	2.000	0.050	0.090	0.249	3.50	0.088	5.970	10.701	89.670
-0.75	1.682	0.028	0.050	0.299	3.75	0.074	3.978	7.130	96.801
-0.50	1.414	0.028	0.050	0.350	4.00	0.063	1.785	3.199	100.000
-0.25	1.189	0.039	0.070	0.419	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.028	0.050	0.470	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.470	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.039	0.070	0.540	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.028	0.050	0.590	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.028	0.050	0.640	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.640	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.028	0.050	0.690	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.249	0.391	0.769	98.591	0.000	0.000
Unified Classification	0.000	0.249	0.391	96.161	3.199	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.94	0.48	-2.72	25.26
Folk Graphic Measures (PHI)	2.93	2.96	0.40	0.10	1.23
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216715	841127		851004	SGU

X Position : 3300.00 Y Position : 2031.93

Elevation of Top of Core : -21.03
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.980 Final Weight : 51.750 Deviation : 0.442 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.041	0.079	0.139
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.078	0.151	0.290
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.119	0.230	0.520
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.952	1.840	2.359
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.567	12.690	15.049
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	17.367	33.559	48.609
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	16.141	31.190	79.799
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	4.580	8.850	88.649
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	3.742	7.231	95.880
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	2.132	4.120	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.031	0.060	0.060	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.290	99.710	0.000	0.000
Unified Classification	0.000	0.000	0.000	95.880	4.120	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.05	0.33	0.39	3.91
Folk Graphic Measures (PHI)	3.01	3.05	0.33	0.19	1.24
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216716	841127		851004	SGU

X Position : 3300.00 Y Position : 2499.48

Elevation of Top of Core : -24.33
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.580 Final Weight : 57.561 Deviation : 0.033 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.040	0.069	0.170
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.098	0.170	0.341
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.150	0.261	0.601
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.330	2.311	2.912
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	8.081	14.039	16.951
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	18.805	32.670	49.620
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	16.330	28.370	77.990
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	5.860	10.181	88.171
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	3.989	6.930	95.101
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	2.820	4.899	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.029	0.050	0.050	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.050	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.029	0.050	0.101	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.050	0.290	99.659	0.000	0.000
Unified Classification	0.000	0.000	0.050	95.050	4.899	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.04	0.35	0.28	4.18
Folk Graphic Measures (PHI)	3.00	3.04	0.35	0.21	1.20
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216717	841127		851004	SGU

X Position : 3300.00 Y Position : 2953.25

Elevation of Top of Core : -26.34
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.840 Final Weight : 52.821 Deviation : 0.036 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.032	0.061	0.061
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.090	0.170	0.231
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.222	0.420	0.651
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.849	3.501	4.152
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.650	12.590	16.741
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	20.816	39.409	56.150
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	13.559	25.670	81.820
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	5.308	10.049	91.869
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.821	5.341	97.209
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	1.474	2.791	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	*1.000*	*0.000*	*0.000*	*0.000*	*4.50*	*0.044*	*0.000*	*0.000*	*100.000*
0.25	*0.841*	*0.000*	*0.000*	*0.000*	*4.75*	*0.037*	*0.000*	*0.000*	*100.000*
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.231	99.769	0.000	0.000
Unified Classification	0.000	0.000	0.000	97.209	2.791	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.00	0.32	0.41	3.82
Folk Graphic Measures (PHI)	2.96	3.00	0.31	0.21	1.21
Grain Size (mm)	0.13	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216902	850102		860313	LSC

X Position : 3300.00 Y Position : 194.62

Elevation of Top of Core : 20.00
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.000 Final Weight : 55.139 Deviation : 0.253 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.821	12.371	77.559
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.591	10.140	87.698
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.617	6.560	94.258
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.051	3.720	97.978
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.739	1.340	99.318
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.270	0.490	99.808
-1.25	2.378	0.110	0.199	0.199	3.25	0.105	0.072	0.131	99.938
-1.00	2.000	0.132	0.239	0.439	3.50	0.088	0.028	0.051	99.989
-0.75	1.682	0.259	0.470	0.909	3.75	0.074	0.000	0.000	99.989
-0.50	1.414	1.130	2.049	2.958	4.00	0.063	0.006	0.011	100.000
-0.25	1.189	2.178	3.950	6.908	4.25	0.053	0.000	0.000	100.000
0.00	1.000	2.547	4.619	11.527	4.50	0.044	0.000	0.000	100.000
0.25	0.841	4.351	7.891	19.418	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.262	7.730	27.148	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.797	8.700	35.848	5.25	0.026	0.000	0.000	100.000
1.00	0.500	6.181	11.210	47.057	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.957	8.990	56.047	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.040	9.141	65.188	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.439	46.619	40.641	12.302	0.000	0.000
Unified Classification	0.000	0.439	55.609	43.942	0.011	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.05	0.83	-0.20	2.40
Folk Graphic Measures (PHI)	1.08	1.04	0.85	-0.08	0.86
Grain Size (mm)	0.47	0.48			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216903	850102		860314	LSC

X Position : 3300.00 Y Position : 230.56

Elevation of Top of Core : 14.57
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 54.050 Final Weight : 54.080 Deviation : 0.056 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.067	9.369	80.279
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.089	9.410	89.689
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.672	4.941	94.630
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.071	3.830	98.460
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.627	1.159	99.619
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.168	0.311	99.930
-1.25	2.378	0.038	0.070	0.070	3.25	0.105	0.038	0.070	100.000
-1.00	2.000	0.168	0.311	0.381	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.470	0.869	1.250	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.541	2.849	4.099	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	2.769	5.120	9.220	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.240	7.840	17.060	4.50	0.044	0.000	0.000	100.000
0.25	0.841	6.592	12.189	29.249	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.819	8.911	38.160	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.970	9.190	47.350	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.159	9.540	56.890	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.791	7.010	63.900	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.791	7.010	70.910	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.381	56.509	32.800	10.311	0.000	0.000
Unified Classification	0.000	0.381	63.519	36.100	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.87	0.86	0.08	2.09
Folk Graphic Measures (PHI)	0.82	0.88	0.88	0.08	0.77
Grain Size (mm)	0.57	0.55			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216904	850102		860313	LSC

X Position : 3300.00 Y Position : 261.38

Elevation of Top of Core : 10.06
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 64.430 Final Weight : 64.622 Deviation : 0.298 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.397	9.899	71.949
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.393	11.440	83.390
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.010	9.300	92.690
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.992	4.630	97.320
-1.75	3.364	0.407	0.630	0.630	2.75	0.149	1.170	1.811	99.130
-1.50	2.828	1.002	1.551	2.180	3.00	0.125	0.420	0.650	99.780
-1.25	2.378	4.439	6.869	9.050	3.25	0.105	0.110	0.170	99.950
-1.00	2.000	9.719	15.040	24.089	3.50	0.088	0.032	0.050	100.000
-0.75	1.682	6.921	10.710	34.799	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	3.050	4.720	39.519	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.898	1.390	40.909	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.582	0.901	41.809	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.711	1.100	42.910	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.931	1.441	44.350	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.402	2.170	46.520	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.973	4.601	51.120	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.212	4.970	56.091	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.851	5.959	62.050	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	24.089	27.031	32.269	16.610	0.000	0.000
Unified Classification	0.000	24.089	32.001	43.909	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.52	1.41	-0.12	1.39
Folk Graphic Measures (PHI)	0.94	0.61	1.36	-0.28	0.55
Grain Size (mm)	0.52	0.70			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216905	850102		860314	LSC

X Position : 3300.00 Y Position : 295.72

Elevation of Top of Core : 8.52
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 63.030 Final Weight : 63.110 Deviation : 0.127 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.011	7.940	26.581
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.243	16.230	42.811
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	11.227	17.790	60.601
-2.00	4.000	0.259	0.410	0.410	2.50	0.177	12.710	20.139	80.740
-1.75	3.364	0.088	0.139	0.550	2.75	0.149	6.929	10.979	91.719
-1.50	2.828	0.240	0.380	0.930	3.00	0.125	3.970	6.291	98.010
-1.25	2.378	0.240	0.380	1.310	3.25	0.105	0.928	1.470	99.480
-1.00	2.000	0.379	0.601	1.911	3.50	0.088	0.252	0.399	99.880
-0.75	1.682	0.391	0.620	2.531	3.75	0.074	0.063	0.100	99.979
-0.50	1.414	0.568	0.900	3.431	4.00	0.063	0.013	0.021	100.000
-0.25	1.189	0.379	0.601	4.031	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.480	0.761	4.792	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.839	1.329	6.121	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.751	1.190	7.311	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.041	1.650	8.961	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.679	2.660	11.621	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.215	3.510	15.131	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.215	3.510	18.640	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.911	9.710	31.190	57.189	0.000	0.000
Unified Classification	0.000	1.911	13.220	84.849	0.021	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.91	0.87	-1.90	7.51
Folk Graphic Measures (PHI)	2.10	2.00	0.75	-0.35	1.60
Grain Size (mm)	0.23	0.27			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216906	850102		860317	LSC

X Position : 3300.00 Y Position : 328.73

Elevation of Top of Core : 6.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.710 Final Weight : 53.610 Deviation : 0.186 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.222	9.741	37.711
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.977	14.880	52.591
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.334	17.411	70.002
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.519	15.891	85.893
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.868	9.080	94.973
-1.50	2.828	0.091	0.170	0.170	3.00	0.125	2.069	3.859	98.832
-1.25	2.378	0.080	0.149	0.319	3.25	0.105	0.450	0.839	99.672
-1.00	2.000	0.188	0.351	0.670	3.50	0.088	0.139	0.259	99.931
-0.75	1.682	0.472	0.880	1.550	3.75	0.074	0.032	0.060	99.991
-0.50	1.414	1.271	2.371	3.921	4.00	0.063	0.005	0.009	100.000
-0.25	1.189	1.689	3.151	7.071	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.228	2.291	9.362	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.308	2.440	11.802	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.190	2.220	14.022	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.281	2.389	16.411	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.839	3.430	19.841	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.828	3.410	23.251	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.530	4.719	27.971	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.670	19.172	32.749	47.409	0.000	0.000
Unified Classification	0.000	0.670	22.582	76.739	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.69	0.94	-1.16	3.69
Folk Graphic Measures (PHI)	1.96	1.71	0.92	-0.46	1.32
Grain Size (mm)	0.26	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216907	850102		860314	LSC

X Position : 3300.00 Y Position : 467.47

Elevation of Top of Core : -4.18
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 55.910 Final Weight : 56.040 Deviation : 0.233 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.778	10.310	62.498
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.961	15.990	78.489
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.019	10.741	89.229
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.321	7.711	96.940
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.311	2.339	99.279
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.342	0.610	99.889
-1.25	2.378	0.050	0.089	0.089	3.25	0.105	0.062	0.111	100.000
-1.00	2.000	0.168	0.300	0.389	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.560	0.999	1.388	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.429	2.550	3.938	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	2.970	5.300	9.238	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.332	7.730	16.968	4.50	0.044	0.000	0.000	100.000
0.25	0.841	5.301	9.459	26.428	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.177	5.669	32.097	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.690	4.800	36.897	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.931	5.230	42.127	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.819	5.030	47.157	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.819	5.030	52.188	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.389	41.738	36.362	21.511	0.000	0.000
Unified Classification	0.000	0.389	46.768	52.843	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.14	0.97	-0.32	1.85
Folk Graphic Measures (PHI)	1.39	1.16	0.98	-0.30	0.68
Grain Size (mm)	0.38	0.45			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216908	850102		860314	LSC

X Position : 3300.00 Y Position : 577.64

Elevation of Top of Core : -4.99
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.690 Final Weight : 57.747 Deviation : 0.099 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.958	3.391	6.788
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.019	6.960	13.748
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.559	13.090	26.838
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.799	18.701	45.538
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	13.184	22.831	68.369
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	11.862	20.541	88.910
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	4.730	8.191	97.101
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	1.299	2.249	99.351
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.329	0.570	99.920
-0.50	1.414	0.040	0.069	0.069	4.00	0.063	0.046	0.080	100.000
-0.25	1.189	0.058	0.100	0.170	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.052	0.090	0.260	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.092	0.159	0.419	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.092	0.159	0.578	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.150	0.260	0.838	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.271	0.469	1.307	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.248	0.429	1.737	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.959	1.661	3.398	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	1.307	12.440	86.252	0.000	0.000
Unified Classification	0.000	0.000	1.737	98.183	0.080	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.49	0.50	-1.18	6.79
Folk Graphic Measures (PHI)	2.55	2.51	0.46	-0.16	1.04
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216909	850102		860314	LSC

X Position : 3300.00 Y Position : 722.02

Elevation of Top of Core : -7.91
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.520 Final Weight : 55.749 Deviation : 0.412 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.212	0.380	3.869
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.608	1.091	4.960
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.249	2.240	7.200
-2.00	4.000	0.212	0.380	0.380	2.50	0.177	8.251	14.800	22.000
-1.75	3.364	0.000	0.000	0.380	2.75	0.149	17.288	31.010	53.011
-1.50	2.828	0.050	0.090	0.470	3.00	0.125	17.628	31.620	84.631
-1.25	2.378	0.000	0.000	0.470	3.25	0.105	5.848	10.490	95.121
-1.00	2.000	0.128	0.230	0.700	3.50	0.088	1.879	3.370	98.491
-0.75	1.682	0.151	0.271	0.970	3.75	0.074	0.702	1.259	99.751
-0.50	1.414	0.162	0.291	1.261	4.00	0.063	0.139	0.249	100.000
-0.25	1.189	0.178	0.319	1.580	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.151	0.271	1.851	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.178	0.319	2.170	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.139	0.249	2.420	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.178	0.319	2.739	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.178	0.319	3.058	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.078	0.140	3.198	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.162	0.291	3.489	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.700	2.359	1.901	95.040	0.000	0.000
Unified Classification	0.000	0.700	2.499	96.552	0.249	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.64	0.65	-3.98	24.35
Folk Graphic Measures (PHI)	2.73	2.71	0.34	-0.13	1.27
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216910	850102		860317	LSC

X Position : 3300.00 Y Position : 869.43

Elevation of Top of Core : -10.83
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.310 Final Weight : 54.219 Deviation : 0.168 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.510	0.941	4.709
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.101	2.031	6.739
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.318	6.120	12.859
-2.00	4.000	0.098	0.181	0.181	2.50	0.177	8.090	14.921	27.780
-1.75	3.364	0.081	0.149	0.330	2.75	0.149	11.749	21.670	49.449
-1.50	2.828	0.038	0.070	0.400	3.00	0.125	14.363	26.491	75.940
-1.25	2.378	0.000	0.000	0.400	3.25	0.105	7.710	14.220	90.160
-1.00	2.000	0.070	0.129	0.529	3.50	0.088	3.671	6.771	96.931
-0.75	1.682	0.081	0.149	0.679	3.75	0.074	1.350	2.490	99.421
-0.50	1.414	0.060	0.111	0.789	4.00	0.063	0.314	0.579	100.000
-0.25	1.189	0.130	0.240	1.029	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.098	0.181	1.210	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.179	0.330	1.540	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.249	0.459	1.999	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.249	0.459	2.459	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.298	0.550	3.008	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.190	0.350	3.359	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.222	0.409	3.768	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.529	2.479	3.731	93.261	0.000	0.000
Unified Classification	0.000	0.529	2.829	96.062	0.579	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.66	0.65	-2.97	17.78
Folk Graphic Measures (PHI)	2.76	2.73	0.46	-0.13	1.25
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216911	850102		860317	LSC

X Position : 3300.00 Y Position : 979.69

Elevation of Top of Core : -12.06
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.760 Final Weight : 53.732 Deviation : 0.052 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.398	0.741	10.333
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.602	1.120	11.453
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.639	3.050	14.503
-2.00	4.000	0.242	0.450	0.450	2.50	0.177	5.502	10.240	24.743
-1.75	3.364	0.081	0.151	0.601	2.75	0.149	7.909	14.719	39.463
-1.50	2.828	0.253	0.471	1.072	3.00	0.125	13.647	25.398	64.861
-1.25	2.378	0.038	0.071	1.143	3.25	0.105	9.908	18.440	83.300
-1.00	2.000	0.161	0.300	1.442	3.50	0.088	5.513	10.260	93.561
-0.75	1.682	0.199	0.370	1.813	3.75	0.074	2.810	5.230	98.790
-0.50	1.414	0.279	0.519	2.332	4.00	0.063	0.650	1.210	100.000
-0.25	1.189	0.312	0.581	2.913	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.279	0.519	3.432	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.570	1.061	4.493	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.672	1.251	5.743	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.709	1.320	7.063	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.720	1.340	8.403	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.360	0.670	9.073	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.279	0.519	9.592	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	1.442	6.960	3.050	88.547	0.000	0.000
Unified Classification	0.000	1.442	7.630	89.717	1.210	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.62	0.96	-2.43	9.73
Folk Graphic Measures (PHI)	2.85	2.80	0.73	-0.36	2.08
Grain Size (mm)	0.14	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216912	850102		860317	LSC

X Position : 3300.00 Y Position : 1220.69

Elevation of Top of Core : -14.01
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.030 Final Weight : 59.944 Deviation : 0.143 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.228	0.380	6.266
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.450	0.751	7.017
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.343	2.240	9.257
-2.00	4.000	0.492	0.821	0.821	2.50	0.177	5.017	8.369	17.626
-1.75	3.364	0.000	0.000	0.821	2.75	0.149	11.371	18.969	36.596
-1.50	2.828	0.000	0.000	0.821	3.00	0.125	18.599	31.027	67.623
-1.25	2.378	0.108	0.180	1.001	3.25	0.105	10.537	17.578	85.201
-1.00	2.000	0.180	0.300	1.301	3.50	0.088	4.981	8.309	93.511
-0.75	1.682	0.120	0.200	1.501	3.75	0.074	2.847	4.749	98.260
-0.50	1.414	0.192	0.320	1.822	4.00	0.063	1.043	1.740	100.000
-0.25	1.189	0.222	0.370	2.192	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.210	0.350	2.542	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.348	0.581	3.123	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.408	0.681	3.804	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.468	0.781	4.584	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.420	0.701	5.285	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.222	0.370	5.655	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.138	0.230	5.885	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.301	3.984	1.732	92.983	0.000	0.000
Unified Classification	0.000	1.301	4.354	92.605	1.740	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.72	0.84	-3.17	15.73
Folk Graphic Measures (PHI)	2.86	2.85	0.60	-0.25	2.16
Grain Size (mm)	0.14	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216913	850102		860317	LSC

X Position : 3300.00 Y Position : 1471.47

Elevation of Top of Core : -16.19
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.140 Final Weight : 54.076 Deviation : 0.118 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.130	0.240	2.535
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.330	0.610	3.146
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.341	2.480	5.625
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.559	10.280	15.905
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	9.799	18.121	34.026
-1.50	2.828	0.108	0.200	0.200	3.00	0.125	15.429	28.532	62.558
-1.25	2.378	0.000	0.000	0.200	3.25	0.105	10.578	19.561	82.120
-1.00	2.000	0.000	0.000	0.200	3.50	0.088	5.559	10.280	92.400
-0.75	1.682	0.119	0.220	0.420	3.75	0.074	3.191	5.901	98.301
-0.50	1.414	0.097	0.179	0.599	4.00	0.063	0.919	1.699	100.000
-0.25	1.189	0.097	0.179	0.779	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.081	0.150	0.928	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.119	0.220	1.148	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.151	0.279	1.428	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.178	0.329	1.757	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.151	0.279	2.036	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.081	0.150	2.186	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.059	0.109	2.295	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.200	1.836	1.110	96.854	0.000	0.000
Unified Classification	0.000	0.200	1.986	96.115	1.699	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.85	0.59	-2.93	18.98
Folk Graphic Measures (PHI)	2.89	2.90	0.41	0.02	1.09
Grain Size (mm)	0.13	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216914	850102		860317	LSC

X Position : 3300.00 Y Position : 1718.05

Elevation of Top of Core : -18.56
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.010 Final Weight : 54.948 Deviation : 0.113 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.379	0.690	15.597
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.940	1.711	17.307
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.682	4.881	22.188
-2.00	4.000	0.802	1.460	1.460	2.50	0.177	6.281	11.431	33.619
-1.75	3.364	0.159	0.289	1.749	2.75	0.149	7.940	14.450	48.069
-1.50	2.828	0.560	1.019	2.768	3.00	0.125	11.644	21.191	69.260
-1.25	2.378	0.709	1.290	4.058	3.25	0.105	8.627	15.700	84.960
-1.00	2.000	0.632	1.150	5.209	3.50	0.088	5.050	9.191	94.151
-0.75	1.682	0.742	1.350	6.559	3.75	0.074	2.368	4.310	98.460
-0.50	1.414	0.758	1.379	7.938	4.00	0.063	0.846	1.540	100.000
-0.25	1.189	0.632	1.150	9.089	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.379	0.690	9.778	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.539	0.981	10.759	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.637	1.159	11.919	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.659	1.199	13.118	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.560	1.019	14.137	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.242	0.440	14.577	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.181	0.329	14.907	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	5.209	8.928	3.170	82.693	0.000	0.000
Unified Classification	0.000	5.209	9.369	83.883	1.540	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.35	1.32	-1.90	5.81
Folk Graphic Measures (PHI)	2.77	2.61	1.05	-0.51	2.41
Grain Size (mm)	0.15	0.20			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216915	850102		860317	LSC

X Position : 3300.00 Y Position : 2016.82

Elevation of Top of Core : -20.97
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.810 Final Weight : 54.669 Deviation : 0.257 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.060	0.110	5.627
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.169	0.309	5.936
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.749	1.370	7.306
-2.00	4.000	2.362	4.321	4.321	2.50	0.177	3.521	6.441	13.746
-1.75	3.364	0.098	0.179	4.500	2.75	0.149	7.851	14.361	28.107
-1.50	2.828	0.159	0.291	4.791	3.00	0.125	14.925	27.301	55.408
-1.25	2.378	0.060	0.110	4.900	3.25	0.105	12.552	22.960	78.368
-1.00	2.000	0.082	0.150	5.050	3.50	0.088	6.801	12.440	90.808
-0.75	1.682	0.071	0.130	5.180	3.75	0.074	3.461	6.331	97.139
-0.50	1.414	0.038	0.070	5.250	4.00	0.063	1.564	2.861	100.000
-0.25	1.189	0.000	0.000	5.250	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.027	0.049	5.299	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.038	0.070	5.369	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.027	0.049	5.418	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.027	0.049	5.467	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.027	0.049	5.517	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	5.517	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	5.517	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	5.050	0.466	0.419	94.064	0.000	0.000
Unified Classification	0.000	5.050	0.466	91.622	2.861	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.73	1.18	-3.35	13.89
Folk Graphic Measures (PHI)	2.95	2.95	0.93	-0.35	3.76
Grain Size (mm)	0.13	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216916	850102		860317	LSC

X Position : 3300.00 Y Position : 2459.94

Elevation of Top of Core : -23.80
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 63.370 Final Weight : 63.220 Deviation : 0.237 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.141
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.057	0.090	0.231
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.202	0.320	0.550
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.208	1.911	2.461
-1.75	3.364	0.089	0.141	0.141	2.75	0.149	6.398	10.120	12.581
-1.50	2.828	0.000	0.000	0.141	3.00	0.125	22.563	35.690	48.271
-1.25	2.378	0.000	0.000	0.141	3.25	0.105	18.131	28.679	76.950
-1.00	2.000	0.000	0.000	0.141	3.50	0.088	9.470	14.979	91.930
-0.75	1.682	0.000	0.000	0.141	3.75	0.074	3.711	5.870	97.800
-0.50	1.414	0.000	0.000	0.141	4.00	0.063	1.391	2.200	100.000
-0.25	1.189	0.000	0.000	0.141	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.141	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.141	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.141	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.141	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.141	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.141	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.141	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.141	0.000	0.090	99.769	0.000	0.000
Unified Classification	0.000	0.141	0.000	97.659	2.200	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.04	0.36	-3.42	52.26
Folk Graphic Measures (PHI)	3.02	3.05	0.31	0.17	1.11
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6216917	850102		860317	LSC

X Position : 3300.00 Y Position : 2918.13

Elevation of Top of Core : -26.29
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.640 Final Weight : 54.539 Deviation : 0.185 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.220
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.049	0.090	0.310
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.191	0.350	0.660
-2.00	4.000	0.120	0.220	0.220	2.50	0.177	1.173	2.151	2.811
-1.75	3.364	0.000	0.000	0.220	2.75	0.149	6.828	12.519	15.330
-1.50	2.828	0.000	0.000	0.220	3.00	0.125	19.258	35.311	50.641
-1.25	2.378	0.000	0.000	0.220	3.25	0.105	14.769	27.080	77.721
-1.00	2.000	0.000	0.000	0.220	3.50	0.088	7.559	13.860	91.580
-0.75	1.682	0.000	0.000	0.220	3.75	0.074	3.278	6.010	97.591
-0.50	1.414	0.000	0.000	0.220	4.00	0.063	1.314	2.409	100.000
-0.25	1.189	0.000	0.000	0.220	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.220	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.220	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.220	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.220	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.220	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.220	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.220	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.220	0.000	0.090	99.690	0.000	0.000
Unified Classification	0.000	0.220	0.000	97.371	2.409	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.02	0.40	-4.54	63.19
Folk Graphic Measures (PHI)	3.00	3.04	0.32	0.19	1.11
Grain Size (mm)	0.13	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217001	850105		860502	LSC

X Position : 3300.00 Y Position : 161.75

Elevation of Top of Core : 19.56
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.050 Final Weight : 52.019 Deviation : 0.060 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.005	17.311	72.391
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.272	13.980	86.370
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.631	6.980	93.351
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.148	4.129	97.480
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.838	1.611	99.091
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.349	0.671	99.762
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.088	0.169	99.931
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.031	0.060	99.990
-0.75	1.682	0.031	0.060	0.060	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.120	0.231	0.290	4.00	0.063	0.005	0.010	100.000
-0.25	1.189	0.531	1.021	1.311	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.801	1.540	2.851	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.810	3.479	6.330	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.481	4.769	11.100	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.381	6.500	17.599	5.25	0.026	0.000	0.000	100.000
1.00	0.500	6.419	12.340	29.939	5.50	0.022	0.000	0.000	100.000
1.25	0.420	6.040	11.611	41.550	5.75	0.019	0.000	0.000	100.000
1.50	0.354	7.038	13.530	55.080	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	29.939	56.431	13.630	0.000	0.000
Unified Classification	0.000	0.000	41.550	58.440	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.34	0.65	-0.30	2.98
Folk Graphic Measures (PHI)	1.41	1.35	0.65	-0.14	1.00
Grain Size (mm)	0.38	0.40			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217002	850105		860515	LSC

X Position : 3300.00 Y Position : 198.40

Elevation of Top of Core : 17.63
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 30.690 Final Weight : 30.732 Deviation : 0.137 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.911	22.488	69.110
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.000	16.270	85.380
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.649	8.620	94.000
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.300	4.230	98.230
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.381	1.240	99.470
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.129	0.420	99.889
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.031	0.101	99.990
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	99.990
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.089	0.290	0.290	4.00	0.063	0.003	0.010	100.000
-0.25	1.189	0.080	0.260	0.550	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.120	0.390	0.940	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.240	0.781	1.721	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.409	1.331	3.052	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.959	3.121	6.173	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.221	10.481	16.654	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.109	13.370	30.024	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.101	16.598	46.622	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	16.654	68.726	14.620	0.000	0.000
Unified Classification	0.000	0.000	30.024	69.966	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.49	0.52	-0.41	3.98
Folk Graphic Measures (PHI)	1.54	1.50	0.50	-0.09	0.99
Grain Size (mm)	0.34	0.35			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217003	850105		860501	LSC

X Position : 3300.00 Y Position : 230.51

Elevation of Top of Core : 12.53
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.370 Final Weight : 60.280 Deviation : 0.149 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.281	10.420	74.210
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	6.667	11.060	85.270
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.961	8.230	93.500
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.701	4.481	97.981
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.922	1.530	99.511
-1.50	2.828	0.072	0.119	0.119	3.00	0.125	0.247	0.410	99.920
-1.25	2.378	0.109	0.181	0.300	3.25	0.105	0.048	0.080	100.000
-1.00	2.000	0.229	0.380	0.680	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.760	1.261	1.941	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	2.652	4.399	6.340	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	4.690	7.780	14.121	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.630	7.681	21.802	4.50	0.044	0.000	0.000	100.000
0.25	0.841	5.467	9.069	30.871	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.737	6.199	37.070	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.418	5.670	42.741	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.642	7.701	50.441	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.858	6.400	56.841	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.189	6.949	63.791	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.680	49.761	34.829	14.730	0.000	0.000
Unified Classification	0.000	0.680	56.161	43.159	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.93	0.96	-0.13	1.89
Folk Graphic Measures (PHI)	0.99	0.92	0.98	-0.08	0.71
Grain Size (mm)	0.50	0.52			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217004	850105		860501	LSC

X Position : 3300.00 Y Position : 263.47

Elevation of Top of Core : 8.14
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.110 Final Weight : 58.139 Deviation : 0.050 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.267	12.499	64.771
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.831	15.189	79.960
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.000	10.320	90.280
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.919	6.741	97.021
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.302	2.239	99.260
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.372	0.640	99.900
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.058	0.100	100.000
-1.00	2.000	0.052	0.089	0.089	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.089	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.087	0.150	0.239	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.471	0.810	1.049	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.070	1.840	2.890	4.50	0.044	0.000	0.000	100.000
0.25	0.841	3.570	6.140	9.030	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.919	8.461	17.491	5.00	0.031	0.000	0.000	100.000
0.75	0.595	5.552	9.550	27.040	5.25	0.026	0.000	0.000	100.000
1.00	0.500	6.029	10.370	37.410	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.221	7.260	44.671	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.419	7.601	52.271	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.089	37.321	42.550	20.040	0.000	0.000
Unified Classification	0.000	0.089	44.581	55.329	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.32	0.75	-0.21	2.13
Folk Graphic Measures (PHI)	1.43	1.33	0.76	-0.16	0.78
Grain Size (mm)	0.37	0.40			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217005	850105		860502	LSC

X Position : 3300.00 Y Position : 295.19

Elevation of Top of Core : 6.47
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.450 Final Weight : 56.408 Deviation : 0.074 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.273	11.121	41.179
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.742	17.271	58.449
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.385	18.411	76.860
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.790	13.810	90.670
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.379	5.990	96.660
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.540	2.730	99.390
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.299	0.530	99.920
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.039	0.069	99.989
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	99.989
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.006	0.011	100.000
-0.25	1.189	0.197	0.349	0.349	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.818	1.450	1.799	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.730	4.840	6.639	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.471	4.381	11.020	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.239	3.969	14.989	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.792	4.950	19.939	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.538	4.499	24.438	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.170	5.620	30.058	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	19.939	38.510	41.551	0.000	0.000
Unified Classification	0.000	0.000	24.438	75.551	0.011	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.69	0.75	-0.75	2.80
Folk Graphic Measures (PHI)	1.88	1.69	0.78	-0.36	1.09
Grain Size (mm)	0.27	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217006	850105		860502	LSC

X Position : 3300.00 Y Position : 328.89

Elevation of Top of Core : 4.15
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.380 Final Weight : 54.360 Deviation : 0.037 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.789	10.649	41.280
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.893	16.359	57.640
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.024	18.440	76.080
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.991	12.861	88.940
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.713	6.830	95.771
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.810	3.330	99.100
-1.25	2.378	0.033	0.061	0.061	3.25	0.105	0.402	0.740	99.840
-1.00	2.000	0.120	0.221	0.281	3.50	0.088	0.082	0.151	99.991
-0.75	1.682	0.158	0.291	0.572	3.75	0.074	0.000	0.000	99.991
-0.50	1.414	0.467	0.859	1.431	4.00	0.063	0.005	0.009	100.000
-0.25	1.189	0.712	1.310	2.741	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.968	1.781	4.522	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.870	3.440	7.962	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.310	4.249	12.211	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.218	4.080	16.291	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.702	4.971	21.262	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.332	4.290	25.552	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.761	5.079	30.631	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.281	20.981	36.378	42.360	0.000	0.000
Unified Classification	0.000	0.281	25.270	74.439	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.67	0.83	-0.91	3.32
Folk Graphic Measures (PHI)	1.88	1.67	0.83	-0.38	1.08
Grain Size (mm)	0.27	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217007	850105		860502	LSC

X Position : 3300.00 Y Position : 453.78

Elevation of Top of Core : -5.24
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.130 Final Weight : 50.720 Deviation : 0.802 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.969	1.910	5.039
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.861	5.641	10.680
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.481	14.750	25.430
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	11.488	22.650	48.080
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	13.263	26.149	74.229
-1.50	2.828	0.132	0.260	0.260	3.00	0.125	9.348	18.431	92.660
-1.25	2.378	0.000	0.000	0.260	3.25	0.105	2.850	5.619	98.279
-1.00	2.000	0.030	0.059	0.319	3.50	0.088	0.639	1.260	99.539
-0.75	1.682	0.000	0.000	0.319	3.75	0.074	0.188	0.371	99.909
-0.50	1.414	0.101	0.199	0.519	4.00	0.063	0.046	0.091	100.000
-0.25	1.189	0.132	0.260	0.779	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.091	0.179	0.958	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.122	0.241	1.199	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.152	0.300	1.498	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.152	0.300	1.798	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.188	0.371	2.169	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.188	0.371	2.539	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.299	0.590	3.129	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.319	1.849	8.511	89.320	0.000	0.000
Unified Classification	0.000	0.319	2.220	97.370	0.091	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.45	0.54	-2.71	17.31
Folk Graphic Measures (PHI)	2.52	2.50	0.40	-0.11	1.08
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217008	850105		860502	LSC

X Position : 3300.00 Y Position : 572.61

Elevation of Top of Core : -7.89
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.400 Final Weight : 56.380 Deviation : 0.035 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.678	4.750	9.440
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.988	10.621	20.060
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	14.163	25.121	45.181
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	13.813	24.500	69.681
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	9.229	16.369	86.050
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	5.520	9.791	95.841
-1.25	2.378	0.068	0.121	0.121	3.25	0.105	1.838	3.260	99.101
-1.00	2.000	0.068	0.121	0.241	3.50	0.088	0.400	0.709	99.810
-0.75	1.682	0.152	0.270	0.511	3.75	0.074	0.090	0.160	99.970
-0.50	1.414	0.079	0.140	0.651	4.00	0.063	0.017	0.030	100.000
-0.25	1.189	0.090	0.160	0.811	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.090	0.160	0.970	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.152	0.270	1.240	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.180	0.319	1.559	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.192	0.341	1.900	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.310	0.550	2.449	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.451	0.800	3.249	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.812	1.440	4.690	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.241	2.208	17.611	79.940	0.000	0.000
Unified Classification	0.000	0.241	3.008	96.720	0.030	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.27	0.54	-2.08	12.83
Folk Graphic Measures (PHI)	2.30	2.31	0.43	-0.02	1.13
Grain Size (mm)	0.20	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217009	850105		860515	LSC

X Position : 3300.00 Y Position : 748.84

Elevation of Top of Core : -6.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 29.150 Final Weight : 29.012 Deviation : 0.473 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.349	14.990	35.113
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.930	20.440	55.553
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.190	17.889	73.442
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.491	15.480	88.922
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.831	6.311	95.233
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.070	3.688	98.921
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.249	0.858	99.779
-1.00	2.000	0.099	0.341	0.341	3.50	0.088	0.061	0.210	99.990
-0.75	1.682	0.041	0.141	0.483	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.099	0.341	0.824	4.00	0.063	0.003	0.010	100.000
-0.25	1.189	0.110	0.379	1.203	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.090	0.310	1.513	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.160	0.551	2.065	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.249	0.858	2.923	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.351	1.210	4.133	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.940	3.240	7.373	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.480	5.101	12.474	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.219	7.649	20.123	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.341	7.032	48.180	44.447	0.000	0.000
Unified Classification	0.000	0.341	12.133	87.516	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.87	0.62	-1.19	6.34
Folk Graphic Measures (PHI)	1.93	1.91	0.56	-0.12	1.14
Grain Size (mm)	0.26	0.27			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217010	850105		860515	LSC

X Position : 3300.00 Y Position : 860.72

Elevation of Top of Core : -10.61
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.820 Final Weight : 62.821 Deviation : 0.002 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.283	0.450	4.182
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.829	1.320	5.501
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.461	5.509	11.011
-2.00	4.000	0.289	0.460	0.460	2.50	0.177	12.570	20.009	31.020
-1.75	3.364	0.000	0.000	0.460	2.75	0.149	23.162	36.870	67.890
-1.50	2.828	0.050	0.080	0.540	3.00	0.125	15.542	24.740	92.630
-1.25	2.378	0.157	0.250	0.790	3.25	0.105	3.361	5.350	97.980
-1.00	2.000	0.063	0.100	0.890	3.50	0.088	1.018	1.620	99.600
-0.75	1.682	0.170	0.271	1.160	3.75	0.074	0.201	0.320	99.920
-0.50	1.414	0.132	0.210	1.371	4.00	0.063	0.050	0.080	100.000
-0.25	1.189	0.151	0.240	1.611	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.113	0.180	1.791	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.182	0.290	2.081	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.302	0.481	2.561	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.239	0.380	2.942	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.232	0.369	3.311	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.132	0.210	3.521	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.132	0.210	3.731	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.890	2.421	2.190	94.499	0.000	0.000
Unified Classification	0.000	0.890	2.631	96.399	0.080	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.53	0.64	-4.17	25.49
Folk Graphic Measures (PHI)	2.63	2.62	0.33	-0.13	1.24
Grain Size (mm)	0.16	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217011	850105		860514	LSC

X Position : 3300.00 Y Position : 1002.42

Elevation of Top of Core : -12.40
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.180 Final Weight : 51.231 Deviation : 0.100 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.830	1.620	8.331
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.018	3.939	12.270
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.580	8.940	21.210
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	12.403	24.210	45.420
-1.75	3.364	0.251	0.490	0.490	2.75	0.149	12.628	24.649	70.069
-1.50	2.828	0.000	0.000	0.490	3.00	0.125	8.868	17.310	87.379
-1.25	2.378	0.072	0.141	0.630	3.25	0.105	4.088	7.980	95.358
-1.00	2.000	0.082	0.160	0.791	3.50	0.088	1.240	2.420	97.779
-0.75	1.682	0.102	0.199	0.990	3.75	0.074	0.948	1.850	99.629
-0.50	1.414	0.128	0.250	1.239	4.00	0.063	0.190	0.371	100.000
-0.25	1.189	0.092	0.180	1.419	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.108	0.211	1.630	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.220	0.429	2.059	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.251	0.490	2.549	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.441	0.861	3.410	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.671	1.310	4.720	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.318	0.621	5.341	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.702	1.370	6.711	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.791	3.929	7.550	87.730	0.000	0.000
Unified Classification	0.000	0.791	4.550	94.289	0.371	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.45	0.71	-2.59	13.79
Folk Graphic Measures (PHI)	2.55	2.53	0.53	-0.20	1.64
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217012	850105		860514	LSC

X Position : 3300.00 Y Position : 1208.98

Elevation of Top of Core : -13.72
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.340 Final Weight : 53.480 Deviation : 0.262 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.070	0.131	1.980
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.289	0.540	2.521
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.979	1.831	4.351
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.519	14.059	18.411
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	16.274	30.430	48.841
-1.50	2.828	0.080	0.150	0.150	3.00	0.125	14.049	26.270	75.110
-1.25	2.378	0.102	0.191	0.340	3.25	0.105	7.391	13.820	88.930
-1.00	2.000	0.080	0.150	0.490	3.50	0.088	2.679	5.009	93.940
-0.75	1.682	0.091	0.170	0.660	3.75	0.074	2.380	4.450	98.390
-0.50	1.414	0.150	0.280	0.941	4.00	0.063	0.861	1.610	100.000
-0.25	1.189	0.091	0.170	1.111	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.102	0.191	1.301	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.112	0.209	1.511	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.048	0.090	1.601	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.048	0.090	1.690	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.037	0.069	1.760	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	1.760	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.048	0.090	1.849	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.490	1.270	0.761	97.479	0.000	0.000
Unified Classification	0.000	0.490	1.270	96.631	1.610	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.76	0.58	-3.38	23.77
Folk Graphic Measures (PHI)	2.76	2.79	0.37	0.18	1.20
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217013	850105		860514	LSC

X Position : 3300.00 Y Position : 1505.11

Elevation of Top of Core : -16.65
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 48.920 Final Weight : 48.829 Deviation : 0.186 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.039	0.080	0.549
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.088	0.180	0.729
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.190	0.389	1.118
-2.00	4.000	0.122	0.250	0.250	2.50	0.177	1.738	3.559	4.678
-1.75	3.364	0.000	0.000	0.250	2.75	0.149	12.110	24.801	29.478
-1.50	2.828	0.000	0.000	0.250	3.00	0.125	19.664	40.271	69.750
-1.25	2.378	0.039	0.080	0.330	3.25	0.105	9.190	18.821	88.570
-1.00	2.000	0.000	0.000	0.330	3.50	0.088	2.100	4.301	92.871
-0.75	1.682	0.000	0.000	0.330	3.75	0.074	2.529	5.179	98.050
-0.50	1.414	0.000	0.000	0.330	4.00	0.063	0.952	1.950	100.000
-0.25	1.189	0.000	0.000	0.330	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.330	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.029	0.059	0.389	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.389	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.389	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.389	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.389	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.039	0.080	0.469	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.330	0.059	0.340	99.271	0.000	0.000
Unified Classification	0.000	0.330	0.059	97.661	1.950	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.90	0.43	-4.64	57.65
Folk Graphic Measures (PHI)	2.88	2.89	0.31	0.20	1.23
Grain Size (mm)	0.14	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217014	850105		860515	LSC

X Position : 3300.00 Y Position : 1755.99

Elevation of Top of Core : -18.80
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 49.060 Final Weight : 48.889 Deviation : 0.349 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.029	0.059	0.419
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.049	0.100	0.520
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.161	0.329	0.849
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.909	1.859	2.708
-1.75	3.364	0.108	0.221	0.221	2.75	0.149	4.962	10.150	12.858
-1.50	2.828	0.068	0.139	0.360	3.00	0.125	18.451	37.741	50.598
-1.25	2.378	0.000	0.000	0.360	3.25	0.105	14.511	29.682	80.280
-1.00	2.000	0.000	0.000	0.360	3.50	0.088	6.209	12.700	92.980
-0.75	1.682	0.000	0.000	0.360	3.75	0.074	2.430	4.970	97.950
-0.50	1.414	0.000	0.000	0.360	4.00	0.063	1.002	2.050	100.000
-0.25	1.189	0.000	0.000	0.360	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.360	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.360	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.360	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.360	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.360	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.360	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.360	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.360	0.000	0.160	99.480	0.000	0.000
Unified Classification	0.000	0.360	0.000	97.590	2.050	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.01	0.41	-5.38	65.57
Folk Graphic Measures (PHI)	3.00	3.03	0.30	0.17	1.14
Grain Size (mm)	0.13	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217015	850105		860515	LSC

X Position : 3300.00 Y Position : 1987.28

Elevation of Top of Core : -20.88
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 46.360 Final Weight : 46.250 Deviation : 0.237 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.028	0.061	0.171
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.051	0.110	0.281
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.162	0.350	0.631
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.971	2.099	2.731
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.801	10.381	13.111
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	14.287	30.891	44.002
-1.25	2.378	0.051	0.110	0.110	3.25	0.105	12.450	26.919	70.921
-1.00	2.000	0.000	0.000	0.110	3.50	0.088	7.779	16.819	87.741
-0.75	1.682	0.000	0.000	0.110	3.75	0.074	3.788	8.190	95.931
-0.50	1.414	0.000	0.000	0.110	4.00	0.063	1.882	4.069	100.000
-0.25	1.189	0.000	0.000	0.110	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.110	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.110	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.110	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.110	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.110	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.110	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.110	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.110	0.000	0.171	99.719	0.000	0.000
Unified Classification	0.000	0.110	0.000	95.821	4.069	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.08	0.37	-1.70	25.08
Folk Graphic Measures (PHI)	3.06	3.09	0.34	0.15	1.03
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217016	850105		860514	LSC

X Position : 3300.00 Y Position : 2477.35

Elevation of Top of Core : -23.96
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.520 Final Weight : 53.301 Deviation : 0.409 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.032	0.060	0.120
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.069	0.129	0.250
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.123	0.231	0.480
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.847	1.589	2.069
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.412	12.030	14.099
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	17.616	33.050	47.149
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	14.578	27.350	74.500
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	6.769	12.700	87.199
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	5.389	10.111	97.310
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	1.434	2.690	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.032	0.060	0.060	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.250	99.750	0.000	0.000
Unified Classification	0.000	0.000	0.000	97.310	2.690	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.07	0.33	0.23	3.42
Folk Graphic Measures (PHI)	3.03	3.08	0.34	0.20	1.09
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217103	850125		860521	LSC

X Position : 3300.00 Y Position : 230.05

Elevation of Top of Core : 12.50
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 64.660 Final Weight : 64.609 Deviation : 0.079 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.878	7.550	80.060
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.589	8.650	88.711
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.379	5.230	93.940
-2.00	4.000	0.181	0.280	0.280	2.50	0.177	2.720	4.210	98.150
-1.75	3.364	0.000	0.000	0.280	2.75	0.149	0.853	1.320	99.471
-1.50	2.828	0.071	0.110	0.390	3.00	0.125	0.271	0.419	99.890
-1.25	2.378	0.497	0.769	1.159	3.25	0.105	0.071	0.110	100.000
-1.00	2.000	0.853	1.320	2.480	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	1.919	2.970	5.450	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	3.799	5.880	11.330	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	6.099	9.440	20.770	4.25	0.053	0.000	0.000	100.000
0.00	1.000	5.531	8.561	29.330	4.50	0.044	0.000	0.000	100.000
0.25	0.841	6.875	10.641	39.971	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.387	6.790	46.761	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.458	6.900	53.661	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.878	7.550	61.211	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.650	5.649	66.861	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.650	5.649	72.510	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	2.480	58.732	27.499	11.289	0.000	0.000
Unified Classification	0.000	2.480	64.381	33.139	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.69	1.01	0.08	2.08
Folk Graphic Measures (PHI)	0.62	0.70	1.03	0.10	0.74
Grain Size (mm)	0.65	0.62			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217104	850125		860521	LSC

X Position : 3300.00 Y Position : 261.50

Elevation of Top of Core : 8.26
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 27.310 Final Weight : 27.280 Deviation : 0.110 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.690	9.861	68.310
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.647	13.369	81.679
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.270	8.321	90.000
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.109	7.731	97.731
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.469	1.719	99.450
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.120	0.440	99.890
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.030	0.110	100.000
-1.00	2.000	0.041	0.150	0.150	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.071	0.260	0.411	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.049	0.180	0.590	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.150	0.550	1.140	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.409	1.499	2.639	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.899	6.961	9.600	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.840	10.411	20.011	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.519	12.900	32.911	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.181	11.661	44.571	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.893	6.939	51.510	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.893	6.939	58.449	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.150	44.421	37.108	18.321	0.000	0.000
Unified Classification	0.000	0.150	51.360	48.490	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.23	0.76	-0.03	2.09
Folk Graphic Measures (PHI)	1.20	1.22	0.77	0.05	0.75
Grain Size (mm)	0.44	0.43			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217105	850125		860521	LSC

X Position : 3300.00 Y Position : 290.22

Elevation of Top of Core : 7.00
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 47.990 Final Weight : 47.870 Deviation : 0.250 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.850	14.310	41.001
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	12.001	25.070	66.071
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.477	15.619	81.690
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.261	13.079	94.769
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.819	3.800	98.569
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.570	1.191	99.760
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.110	0.230	99.990
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	99.990
-0.75	1.682	0.029	0.061	0.061	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.091	0.190	0.251	4.00	0.063	0.005	0.010	100.000
-0.25	1.189	0.359	0.750	1.001	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.531	1.109	2.110	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.221	2.551	4.661	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.111	2.321	6.981	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.379	2.881	9.862	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.140	4.470	14.333	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.958	6.179	20.512	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.958	6.179	26.691	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	14.333	51.738	33.929	0.000	0.000
Unified Classification	0.000	0.000	20.512	79.478	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.70	0.65	-1.04	4.02
Folk Graphic Measures (PHI)	1.84	1.73	0.64	-0.33	1.28
Grain Size (mm)	0.28	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217106	850125		860522	LSC

X Position : 3300.00 Y Position : 328.28

Elevation of Top of Core : 3.60
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.200 Final Weight : 32.189 Deviation : 0.034 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.738	14.719	34.807
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.436	23.101	57.908
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.908	21.461	79.369
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.639	14.412	93.780
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.449	4.502	98.282
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.470	1.460	99.742
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.080	0.249	99.991
-1.00	2.000	0.039	0.121	0.121	3.50	0.088	0.000	0.000	99.991
-0.75	1.682	0.061	0.190	0.311	3.75	0.074	0.000	0.000	99.991
-0.50	1.414	0.071	0.221	0.531	4.00	0.063	0.003	0.009	100.000
-0.25	1.189	0.190	0.590	1.122	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.151	0.469	1.591	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.219	0.680	2.271	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.209	0.649	2.920	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.418	1.299	4.219	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.220	3.790	8.009	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.619	5.030	13.039	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.269	7.049	20.088	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.121	7.888	49.899	42.092	0.000	0.000
Unified Classification	0.000	0.121	12.917	86.952	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.83	0.57	-1.39	6.52
Folk Graphic Measures (PHI)	1.91	1.87	0.51	-0.20	1.18
Grain Size (mm)	0.27	0.28			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217107	850125		860522	LSC

X Position : 3300.00 Y Position : 455.53

Elevation of Top of Core : -6.43
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 30.750 Final Weight : 30.741 Deviation : 0.029 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.611	5.241	15.162
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.391	11.031	26.193
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.859	19.059	45.252
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.929	22.540	67.792
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.851	15.780	83.572
-1.50	2.828	0.049	0.159	0.159	3.00	0.125	3.498	11.379	94.951
-1.25	2.378	0.071	0.231	0.390	3.25	0.105	1.091	3.549	98.500
-1.00	2.000	0.169	0.550	0.940	3.50	0.088	0.350	1.139	99.639
-0.75	1.682	0.111	0.361	1.301	3.75	0.074	0.089	0.290	99.928
-0.50	1.414	0.169	0.550	1.851	4.00	0.063	0.022	0.072	100.000
-0.25	1.189	0.181	0.589	2.440	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.160	0.520	2.960	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.209	0.680	3.640	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.200	0.651	4.291	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.249	0.810	5.101	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.381	1.239	6.340	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.440	1.431	7.771	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.661	2.150	9.922	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.940	5.400	19.853	73.807	0.000	0.000
Unified Classification	0.000	0.940	6.831	92.157	0.072	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.18	0.74	-2.08	9.20
Folk Graphic Measures (PHI)	2.30	2.28	0.59	-0.23	1.46
Grain Size (mm)	0.20	0.22			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217108	850125		860522	LSC

X Position : 3300.00 Y Position : 586.00

Elevation of Top of Core : -7.84
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.880 Final Weight : 32.880 Deviation : 0.000 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.508	10.669	17.248
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.349	22.351	39.599
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	8.917	27.120	66.718
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.481	19.711	86.429
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.910	8.850	95.280
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.210	3.680	98.960
-1.25	2.378	0.039	0.119	0.119	3.25	0.105	0.260	0.791	99.751
-1.00	2.000	0.039	0.119	0.237	3.50	0.088	0.069	0.210	99.960
-0.75	1.682	0.000	0.000	0.237	3.75	0.074	0.000	0.000	99.960
-0.50	1.414	0.069	0.210	0.447	4.00	0.063	0.013	0.040	100.000
-0.25	1.189	0.030	0.091	0.538	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.039	0.119	0.657	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.069	0.210	0.867	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.089	0.271	1.137	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.109	0.332	1.469	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.230	0.700	2.168	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.441	1.341	3.510	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.009	3.069	6.578	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.237	1.931	37.430	60.401	0.000	0.000
Unified Classification	0.000	0.237	3.273	96.451	0.040	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.07	0.47	-1.69	12.00
Folk Graphic Measures (PHI)	2.10	2.10	0.39	-0.03	1.08
Grain Size (mm)	0.23	0.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217109	850125		860522	LSC

X Position : 3300.00 Y Position : 716.00

Elevation of Top of Core : -5.53
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 30.640 Final Weight : 30.668 Deviation : 0.091 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.398	14.341	51.669
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.551	14.840	66.509
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.699	12.061	78.570
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.981	9.720	88.291
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.668	5.439	93.730
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.371	4.470	98.200
-1.25	2.378	0.061	0.199	0.199	3.25	0.105	0.460	1.500	99.700
-1.00	2.000	0.061	0.199	0.398	3.50	0.088	0.089	0.290	99.990
-0.75	1.682	0.150	0.489	0.887	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.261	0.851	1.738	4.00	0.063	0.003	0.010	100.000
-0.25	1.189	0.399	1.301	3.039	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.380	1.239	4.278	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.739	2.410	6.688	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.960	3.130	9.818	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.080	3.522	13.340	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.101	6.851	20.190	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.398	7.819	28.010	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.858	9.319	37.329	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.398	19.793	46.319	33.491	0.000	0.000
Unified Classification	0.000	0.398	27.612	71.981	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.62	0.81	-0.70	3.59
Folk Graphic Measures (PHI)	1.72	1.65	0.80	-0.17	1.10
Grain Size (mm)	0.30	0.33			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217110	850125		860522	LSC

X Position : 3300.00 Y Position : 877.81

Elevation of Top of Core : -10.71
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 33.950 Final Weight : 33.891 Deviation : 0.174 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.102	0.301	0.301
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.830	2.449	2.750
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.792	20.041	22.791
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	11.387	33.599	56.390
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	10.242	30.220	86.610
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	3.070	9.058	95.668
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	1.220	3.600	99.268
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.190	0.561	99.829
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.058	0.171	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.301	99.699	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.829	0.171	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.72	0.29	0.41	3.51
Folk Graphic Measures (PHI)	2.70	2.70	0.29	0.04	1.01
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217111	850125		860522	LSC

X Position : 3300.00 Y Position : 980.79

Elevation of Top of Core : -12.06
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 40.120 Final Weight : 40.138 Deviation : 0.045 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.088	0.219	1.286
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.169	0.421	1.707
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.698	1.739	3.446
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.900	17.191	20.636
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	12.917	32.181	52.818
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	12.090	30.121	82.939
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	4.082	10.170	93.109
-1.00	2.000	0.028	0.070	0.070	3.50	0.088	2.051	5.110	98.219
-0.75	1.682	0.000	0.000	0.070	3.75	0.074	0.570	1.420	99.639
-0.50	1.414	0.028	0.070	0.140	4.00	0.063	0.145	0.361	100.000
-0.25	1.189	0.028	0.070	0.209	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.209	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.048	0.120	0.329	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.060	0.149	0.478	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.048	0.120	0.598	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.080	0.199	0.797	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.048	0.120	0.917	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.060	0.149	1.066	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.070	0.727	0.909	98.293	0.000	0.000
Unified Classification	0.000	0.070	0.847	98.722	0.361	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.73	0.40	-2.28	20.68
Folk Graphic Measures (PHI)	2.73	2.73	0.31	0.08	1.10
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217112	850125		860523	LSC

X Position : 3300.00 Y Position : 1194.60

Elevation of Top of Core : -13.59
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 31.800 Final Weight : 31.529 Deviation : 0.852 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.041	0.130	0.130
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.230	0.729	0.860
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.418	7.669	8.529
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.359	23.340	31.869
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	11.808	37.451	69.320
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	6.111	19.382	88.702
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.008	6.369	95.071
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.031	3.270	98.341
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.523	1.659	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.130	99.870	0.000	0.000
Unified Classification	0.000	0.000	0.000	98.341	1.659	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.89	0.32	0.56	3.80
Folk Graphic Measures (PHI)	2.87	2.88	0.32	0.09	1.15
Grain Size (mm)	0.14	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217113	850125		860523	LSC

X Position : 3300.00 Y Position : 1496.88

Elevation of Top of Core : -16.39
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 28.990 Final Weight : 28.880 Deviation : 0.379 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	1.939
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	1.939
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.061	0.211	2.150
-2.00	4.000	0.560	1.939	1.939	2.50	0.177	0.520	1.801	3.951
-1.75	3.364	0.000	0.000	1.939	2.75	0.149	3.330	11.530	15.481
-1.50	2.828	0.000	0.000	1.939	3.00	0.125	9.571	33.141	48.622
-1.25	2.378	0.000	0.000	1.939	3.25	0.105	9.181	31.790	80.412
-1.00	2.000	0.000	0.000	1.939	3.50	0.088	3.021	10.461	90.873
-0.75	1.682	0.000	0.000	1.939	3.75	0.074	1.770	6.129	97.001
-0.50	1.414	0.000	0.000	1.939	4.00	0.063	0.866	2.999	100.000
-0.25	1.189	0.000	0.000	1.939	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	1.939	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	1.939	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	1.939	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	1.939	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	1.939	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	1.939	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	1.939	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.939	0.000	0.000	98.061	0.000	0.000
Unified Classification	0.000	1.939	0.000	95.062	2.999	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.95	0.78	-5.30	35.39
Folk Graphic Measures (PHI)	3.01	3.03	0.32	0.13	1.22
Grain Size (mm)	0.12	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217114	850125		860523	LSC

X Position : 3300.00 Y Position : 1774.92

Elevation of Top of Core : -19.00
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 37.690 Final Weight : 37.510 Deviation : 0.478 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.109	0.291	0.291
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.660	1.760	2.050
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.909	10.421	12.471
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	12.960	34.551	47.022
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	13.128	34.999	82.021
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	4.171	11.120	93.140
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.842	4.911	98.051
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.731	1.949	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	98.051	1.949	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.04	0.29	0.41	3.71
Folk Graphic Measures (PHI)	3.02	3.03	0.28	0.09	1.17
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217115	850125		860523	LSC

X Position : 3300.00 Y Position : 1906.32

Elevation of Top of Core : -20.15
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 28.870 Final Weight : 28.770 Deviation : 0.346 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.081	0.282	0.282
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.420	1.460	1.741
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.569	8.929	10.671
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.720	30.309	40.980
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	10.858	37.741	78.721
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	3.729	12.961	91.682
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.769	6.149	97.831
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.624	2.169	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	97.831	2.169	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.07	0.29	0.33	3.55
Folk Graphic Measures (PHI)	3.06	3.07	0.30	0.07	1.20
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217116	850125		860523	LSC

X Position : 3300.00 Y Position : 2448.43

Elevation of Top of Core : -23.70
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 38.620 Final Weight : 38.540 Deviation : 0.207 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.179
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.039	0.101	0.280
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.119	0.309	0.589
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.671	1.741	2.330
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.779	12.400	14.730
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	12.252	31.790	46.520
-1.25	2.378	0.069	0.179	0.179	3.25	0.105	12.753	33.090	79.611
-1.00	2.000	0.000	0.000	0.179	3.50	0.088	4.702	12.200	91.811
-0.75	1.682	0.000	0.000	0.179	3.75	0.074	2.081	5.400	97.211
-0.50	1.414	0.000	0.000	0.179	4.00	0.063	1.075	2.789	100.000
-0.25	1.189	0.000	0.000	0.179	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.179	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.179	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.179	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.179	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.179	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.179	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.179	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.179	0.000	0.101	99.720	0.000	0.000
Unified Classification	0.000	0.179	0.000	97.032	2.789	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.04	0.36	-2.97	41.71
Folk Graphic Measures (PHI)	3.03	3.04	0.31	0.11	1.17
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217117	850125		860523	LSC

X Position : 3300.00 Y Position : 2943.33

Elevation of Top of Core : -26.41
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 27.280 Final Weight : 27.171 Deviation : 0.400 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.030	0.110	0.110
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.049	0.180	0.291
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.109	0.401	0.692
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.549	2.021	2.712
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.328	12.248	14.961
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.675	31.927	46.888
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	8.540	31.431	78.319
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	3.339	12.289	90.608
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.799	6.621	97.229
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.753	2.771	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.291	99.709	0.000	0.000
Unified Classification	0.000	0.000	0.000	97.229	2.771	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.05	0.32	0.22	3.74
Folk Graphic Measures (PHI)	3.02	3.05	0.32	0.13	1.16
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217301	850214		860605	LSC

X Position : 3300.00 Y Position : 164.73

Elevation of Top of Core : 20.22
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 33.860 Final Weight : 33.829 Deviation : 0.092 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.267	15.569	74.540
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.198	12.409	86.949
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.321	6.861	93.810
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.390	4.109	97.919
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.501	1.481	99.400
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.159	0.470	99.870
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.041	0.121	99.991
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	99.991
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	99.991
-0.50	1.414	0.071	0.210	0.210	4.00	0.063	0.003	0.009	100.000
-0.25	1.189	0.460	1.360	1.570	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.761	2.250	3.819	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.661	4.910	8.729	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.570	4.641	13.370	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.659	7.860	21.230	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.351	12.862	34.092	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.208	12.439	46.531	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.208	12.439	58.970	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	34.092	52.857	13.051	0.000	0.000
Unified Classification	0.000	0.000	46.531	53.460	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.27	0.68	-0.25	2.70
Folk Graphic Measures (PHI)	1.32	1.28	0.68	-0.10	0.99
Grain Size (mm)	0.40	0.41			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217302	850214		860612	LSC

X Position : 3300.00 Y Position : 164.73

Elevation of Top of Core : 20.22
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 44.980 Final Weight : 44.929 Deviation : 0.113 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.618	19.181	77.440
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.769	12.840	90.280
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.718	6.050	96.330
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.258	2.800	99.130
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.301	0.670	99.800
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.090	0.200	100.000
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.121	0.269	0.269	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.090	0.200	0.470	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.359	0.799	1.269	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.881	1.961	3.230	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.408	5.360	8.589	5.25	0.026	0.000	0.000	100.000
1.00	0.500	6.748	15.019	23.608	5.50	0.022	0.000	0.000	100.000
1.25	0.420	7.548	16.800	40.408	5.75	0.019	0.000	0.000	100.000
1.50	0.354	8.020	17.850	58.259	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	23.608	66.672	9.720	0.000	0.000
Unified Classification	0.000	0.000	40.408	59.592	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.38	0.49	-0.08	3.09
Folk Graphic Measures (PHI)	1.38	1.38	0.50	-0.01	0.95
Grain Size (mm)	0.38	0.38			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217303	850214		860603	LSC

X Position : 3300.00 Y Position : 228.58

Elevation of Top of Core : 12.95
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1.25 PHI CORRECTION BY AVERAGING 27 JUN 86

Start Weight : 52.050 Final Weight : 52.019 Deviation : 0.060 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.883	11.309	77.028
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.639	10.840	87.868
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.350	6.440	94.308
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.128	4.091	98.399
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.609	1.171	99.569
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.182	0.350	99.919
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.042	0.081	100.000
-1.00	2.000	0.182	0.350	0.350	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.702	1.350	1.699	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.862	3.579	5.279	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	4.198	8.070	13.349	4.25	0.053	0.000	0.000	100.000
0.00	1.000	3.912	7.520	20.869	4.50	0.044	0.000	0.000	100.000
0.25	0.841	4.588	8.820	29.689	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.637	5.069	34.758	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.241	6.230	40.989	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.302	8.270	49.259	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.281	8.230	57.489	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.281	8.230	65.718	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.350	48.909	38.609	12.132	0.000	0.000
Unified Classification	0.000	0.350	57.139	42.511	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.93	0.92	-0.15	1.93
Folk Graphic Measures (PHI)	1.02	0.92	0.94	-0.12	0.73
Grain Size (mm)	0.49	0.52			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217304	850214		860612	LSC

X Position : 3300.00 Y Position : 255.54

Elevation of Top of Core : 9.07
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 42.380 Final Weight : 42.330 Deviation : 0.118 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.159	14.550	53.260
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.233	19.450	72.710
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.671	15.760	88.469
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.801	8.979	97.449
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.830	1.961	99.409
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.212	0.501	99.910
-1.25	2.378	0.119	0.281	0.281	3.25	0.105	0.038	0.090	100.000
-1.00	2.000	0.140	0.331	0.612	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.440	1.039	1.651	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.969	2.289	3.940	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.380	3.260	7.201	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.050	2.481	9.681	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.380	3.260	12.941	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.329	3.140	16.081	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.490	3.520	19.601	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.341	5.530	25.131	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.510	5.930	31.061	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.238	7.649	38.710	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.612	24.519	47.579	27.290	0.000	0.000
Unified Classification	0.000	0.612	30.449	68.939	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.43	0.86	-1.05	3.38
Folk Graphic Measures (PHI)	1.69	1.46	0.85	-0.45	1.12
Grain Size (mm)	0.31	0.37			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217305	850214		860612	LSC

X Position : 3300.00 Y Position : 290.78

Elevation of Top of Core : 7.46
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.430 Final Weight : 54.400 Deviation : 0.055 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.438	17.349	51.331
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	11.054	20.320	71.651
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.768	14.279	85.930
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.201	9.561	95.491
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.741	3.200	98.691
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.620	1.140	99.831
-1.25	2.378	0.092	0.169	0.169	3.25	0.105	0.092	0.169	100.000
-1.00	2.000	0.060	0.110	0.279	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.218	0.401	0.680	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.419	0.770	1.450	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.751	1.381	2.831	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.860	1.581	4.412	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.561	2.869	7.281	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.572	2.890	10.171	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.763	3.241	13.412	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.128	5.750	19.162	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.340	6.140	25.301	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.722	8.680	33.982	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.279	18.882	52.489	28.349	0.000	0.000
Unified Classification	0.000	0.279	25.022	74.699	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.57	0.73	-1.07	4.12
Folk Graphic Measures (PHI)	1.73	1.60	0.71	-0.33	1.22
Grain Size (mm)	0.30	0.34			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217306	850214		860604	LSC

X Position : 3300.00 Y Position : 360.86

Elevation of Top of Core : 0.55
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : MAJORITY OF PEBBLES >2.0 PHI

Start Weight : 55.110 Final Weight : 55.102 Deviation : 0.015 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.920	1.670	93.407
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.168	2.120	95.526
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.981	1.780	97.307
-2.00	4.000	9.516	17.270	17.270	2.50	0.177	0.871	1.581	98.888
-1.75	3.364	5.780	10.490	27.759	2.75	0.149	0.430	0.780	99.668
-1.50	2.828	7.598	13.789	41.548	3.00	0.125	0.149	0.270	99.938
-1.25	2.378	8.348	15.150	56.698	3.25	0.105	0.028	0.051	99.989
-1.00	2.000	5.047	9.159	65.858	3.50	0.088	0.000	0.000	99.989
-0.75	1.682	4.199	7.620	73.478	3.75	0.074	0.000	0.000	99.989
-0.50	1.414	3.069	5.570	79.048	4.00	0.063	0.006	0.011	100.000
-0.25	1.189	2.160	3.920	82.968	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.052	1.909	84.877	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.981	1.780	86.657	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.529	0.960	87.618	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.540	0.980	88.598	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.650	1.180	89.777	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.468	0.849	90.626	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.612	1.111	91.737	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	65.858	23.919	5.749	4.474	0.000	0.000
Unified Classification	0.000	65.858	24.769	9.363	0.011	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		-1.00	1.19	1.53	4.61
Folk Graphic Measures (PHI)	-1.36	-1.16	1.10	0.46	1.49
Grain Size (mm)	2.57	2.00			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217307	850214		860604	LSC

X Position : 3300.00 Y Position : 473.27

Elevation of Top of Core : -8.23
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 25.800 Final Weight : 25.739 Deviation : 0.236 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.261	4.899	7.899
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.459	13.439	21.337
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.940	19.193	40.530
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.728	26.139	66.669
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.930	15.269	81.938
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	3.071	11.931	93.869
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	1.241	4.821	98.691
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.250	0.971	99.662
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.069	0.268	99.930
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.018	0.070	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.041	0.159	0.159	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.031	0.120	0.280	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.049	0.190	0.470	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.111	0.431	0.901	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.149	0.579	1.480	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.391	1.519	2.999	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	0.901	20.436	78.663	0.000	0.000
Unified Classification	0.000	0.000	1.480	98.450	0.070	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.33	0.45	-0.41	4.43
Folk Graphic Measures (PHI)	2.34	2.34	0.44	0.00	1.01
Grain Size (mm)	0.20	0.20			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217308	850214		860604	LSC

X Position : 3300.00 Y Position : 601.51

Elevation of Top of Core : -6.71
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 38.590 Final Weight : 38.570 Deviation : 0.052 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.330	6.041	15.704
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.250	11.019	26.723
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.242	13.591	40.314
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.972	20.669	60.983
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.572	17.039	78.022
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	6.009	15.579	93.601
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	2.102	5.450	99.051
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.301	0.780	99.831
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.050	0.130	99.961
-0.50	1.414	0.039	0.101	0.101	4.00	0.063	0.015	0.039	100.000
-0.25	1.189	0.062	0.161	0.262	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.069	0.179	0.441	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.181	0.469	0.910	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.201	0.521	1.431	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.309	0.801	2.232	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.679	1.760	3.993	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.849	2.201	6.194	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.338	3.469	9.663	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	3.993	22.730	73.277	0.000	0.000
Unified Classification	0.000	0.000	6.194	93.767	0.039	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.28	0.60	-1.11	4.98
Folk Graphic Measures (PHI)	2.37	2.32	0.57	-0.20	1.07
Grain Size (mm)	0.19	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217309	850214		860604	LSC

X Position : 3300.00 Y Position : 717.63

Elevation of Top of Core : -6.89
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 41.440 Final Weight : 41.410 Deviation : 0.072 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.971	9.589	25.950
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.739	13.859	39.809
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.141	14.830	54.639
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.180	17.339	71.978
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	5.408	13.060	85.037
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	4.220	10.191	95.228
-1.25	2.378	0.091	0.220	0.220	3.25	0.105	1.309	3.161	98.389
-1.00	2.000	0.058	0.140	0.360	3.50	0.088	0.418	1.009	99.399
-0.75	1.682	0.050	0.121	0.481	3.75	0.074	0.199	0.481	99.879
-0.50	1.414	0.128	0.309	0.790	4.00	0.063	0.050	0.121	100.000
-0.25	1.189	0.099	0.239	1.029	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.141	0.340	1.369	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.369	0.891	2.260	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.352	0.850	3.110	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.559	1.350	4.460	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.201	2.900	7.361	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.358	3.279	10.640	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.369	5.721	16.361	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.360	7.001	32.449	60.191	0.000	0.000
Unified Classification	0.000	0.360	10.280	89.239	0.121	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.08	0.71	-1.11	5.57
Folk Graphic Measures (PHI)	2.17	2.13	0.64	-0.18	1.08
Grain Size (mm)	0.22	0.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217310	850214		860604	LSC

X Position : 3300.00 Y Position : 865.00

Elevation of Top of Core : -10.49
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : CONCENTRATION OF HEAVIES IN 3.5,3.75,4.0 PHI SIEVE

Start Weight : 33.900 Final Weight : 33.882 Deviation : 0.053 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.989	5.870	15.002
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.838	14.279	29.281
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.231	18.390	47.671
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.555	22.298	69.969
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.581	13.520	83.490
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	3.239	9.560	93.049
-1.25	2.378	0.071	0.210	0.210	3.25	0.105	1.430	4.221	97.270
-1.00	2.000	0.000	0.000	0.210	3.50	0.088	0.440	1.299	98.569
-0.75	1.682	0.051	0.151	0.360	3.75	0.074	0.339	1.001	99.569
-0.50	1.414	0.119	0.351	0.711	4.00	0.063	0.146	0.431	100.000
-0.25	1.189	0.139	0.410	1.122	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.200	0.590	1.712	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.241	0.711	2.423	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.210	0.620	3.043	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.291	0.859	3.902	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.420	1.240	5.141	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.451	1.331	6.472	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.901	2.659	9.132	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.210	4.932	24.140	70.719	0.000	0.000
Unified Classification	0.000	0.210	6.263	93.097	0.431	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.20	0.67	-1.43	7.54
Folk Graphic Measures (PHI)	2.28	2.27	0.57	-0.12	1.32
Grain Size (mm)	0.21	0.22			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217311	850214		860604	LSC

X Position : 3300.00 Y Position : 998.24

Elevation of Top of Core : -12.38
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 28.520 Final Weight : 28.450 Deviation : 0.245 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.660	2.320	5.100
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.011	7.069	12.169
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.881	13.641	25.810
-2.00	4.000	0.139	0.489	0.489	2.50	0.177	7.067	24.840	50.650
-1.75	3.364	0.000	0.000	0.489	2.75	0.149	5.630	19.789	70.439
-1.50	2.828	0.000	0.000	0.489	3.00	0.125	5.232	18.390	88.830
-1.25	2.378	0.000	0.000	0.489	3.25	0.105	2.322	8.162	96.991
-1.00	2.000	0.000	0.000	0.489	3.50	0.088	0.560	1.968	98.960
-0.75	1.682	0.040	0.141	0.629	3.75	0.074	0.219	0.770	99.729
-0.50	1.414	0.040	0.141	0.770	4.00	0.063	0.077	0.271	100.000
-0.25	1.189	0.000	0.000	0.770	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.770	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.040	0.141	0.910	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.040	0.141	1.051	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.051	0.179	1.230	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.080	0.281	1.511	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.111	0.390	1.902	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.250	0.879	2.780	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.489	1.023	10.657	87.831	0.000	0.000
Unified Classification	0.000	0.489	1.413	97.828	0.271	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.47	0.58	-3.06	23.42
Folk Graphic Measures (PHI)	2.49	2.50	0.44	-0.01	1.03
Grain Size (mm)	0.18	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217312	850214		860604	LSC

X Position : 3300.00 Y Position : 1223.00

Elevation of Top of Core : -13.43
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.620 Final Weight : 32.470 Deviation : 0.460 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.120	0.370	0.370
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.750	2.310	2.679
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.452	16.791	19.470
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	10.498	32.331	51.802
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	10.082	31.050	82.852
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	4.211	12.969	95.821
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	1.059	3.261	99.082
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.240	0.739	99.821
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.058	0.179	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.370	99.630	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.821	0.179	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.75	0.29	0.27	3.38
Folk Graphic Measures (PHI)	2.74	2.74	0.29	0.02	0.99
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217313	850214		860604	LSC

X Position : 3300.00 Y Position : 1483.25

Elevation of Top of Core : -15.45
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 19.580 Final Weight : 19.520 Deviation : 0.306 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.119	0.610	0.610
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.111	5.692	6.301
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	5.229	26.788	33.089
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.169	41.849	74.939
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	3.760	19.262	94.201
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.820	4.201	98.402
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.240	1.230	99.631
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.072	0.369	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.631	0.369	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.86	0.26	0.40	3.95
Folk Graphic Measures (PHI)	2.85	2.85	0.26	0.03	1.07
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217314	850214		860604	LSC

X Position : 3300.00 Y Position : 1739.48

Elevation of Top of Core : -18.45
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 25.630 Final Weight : 25.541 Deviation : 0.347 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.031	0.121	0.121
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.130	0.509	0.630
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.080	4.228	4.859
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.222	16.530	21.389
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.570	37.469	58.858
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	7.062	27.650	86.508
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.370	9.279	95.787
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.861	3.371	99.158
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.215	0.842	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.121	99.879	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.158	0.842	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.96	0.29	0.22	3.60
Folk Graphic Measures (PHI)	2.94	2.95	0.29	0.06	1.08
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217315	850214		860604	LSC

X Position : 3300.00 Y Position : 1954.11

Elevation of Top of Core : -20.60
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 24.330 Final Weight : 24.291 Deviation : 0.160 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.210
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.029	0.119	0.329
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.090	0.371	0.700
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.491	2.021	2.721
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.310	9.510	12.231
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	7.270	29.929	42.160
-1.25	2.378	0.051	0.210	0.210	3.25	0.105	8.536	35.141	77.300
-1.00	2.000	0.000	0.000	0.210	3.50	0.088	3.180	13.091	90.392
-0.75	1.682	0.000	0.000	0.210	3.75	0.074	1.559	6.418	96.810
-0.50	1.414	0.000	0.000	0.210	4.00	0.063	0.775	3.190	100.000
-0.25	1.189	0.000	0.000	0.210	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.210	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.210	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.210	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.210	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.210	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.210	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.210	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.210	0.000	0.119	99.671	0.000	0.000
Unified Classification	0.000	0.210	0.000	96.600	3.190	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.06	0.37	-3.28	43.25
Folk Graphic Measures (PHI)	3.06	3.07	0.32	0.10	1.22
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217316	850214		860604	LSC

X Position : 3300.00 Y Position : 2450.24

Elevation of Top of Core : -23.66
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 34.670 Final Weight : 34.620 Deviation : 0.144 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.048	0.139	0.139
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.270	0.780	0.919
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.510	7.250	8.169
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.050	26.141	34.310
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	12.726	36.759	71.069
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	5.349	15.451	86.519
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	3.119	9.009	95.529
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	1.548	4.471	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	95.529	4.471	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.13	0.31	0.40	3.09
Folk Graphic Measures (PHI)	3.11	3.13	0.32	0.13	1.11
Grain Size (mm)	0.12	0.11			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217317	850214		860604	LSC

X Position : 3300.00 Y Position : 2939.35

Elevation of Top of Core : -26.37
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 31.300 Final Weight : 31.221 Deviation : 0.252 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.069	0.221	0.221
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.431	1.380	1.601
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.601	8.331	9.932
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.679	27.799	37.731
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	10.312	33.029	70.760
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	4.511	14.449	85.209
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.829	9.061	94.270
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	1.789	5.730	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	94.270	5.730	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.13	0.33	0.39	2.96
Folk Graphic Measures (PHI)	3.09	3.13	0.35	0.16	1.10
Grain Size (mm)	0.12	0.11			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217403	850301		860528	SGU

X Position : 3300.00 Y Position : 228.72

Elevation of Top of Core : 12.83
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.310 Final Weight : 50.270 Deviation : 0.080 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.218	10.380	74.050
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.565	11.070	85.120
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.268	8.490	93.611
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.232	4.440	98.051
-1.75	3.364	0.090	0.179	0.179	2.75	0.149	0.729	1.450	99.501
-1.50	2.828	0.000	0.000	0.179	3.00	0.125	0.221	0.440	99.940
-1.25	2.378	0.211	0.420	0.599	3.25	0.105	0.030	0.060	100.000
-1.00	2.000	0.689	1.371	1.969	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	1.242	2.471	4.440	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	3.298	6.561	11.001	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	3.740	7.440	18.440	4.25	0.053	0.000	0.000	100.000
0.00	1.000	3.268	6.501	24.941	4.50	0.044	0.000	0.000	100.000
0.25	0.841	3.629	7.219	32.160	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.971	5.910	38.070	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.760	5.490	43.561	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.680	7.320	50.881	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.071	6.109	56.990	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.358	6.680	63.670	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	1.969	48.912	34.239	14.880	0.000	0.000
Unified Classification	0.000	1.969	55.021	43.010	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.88	1.02	-0.21	1.92
Folk Graphic Measures (PHI)	0.97	0.87	1.04	-0.12	0.71
Grain Size (mm)	0.51	0.54			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217404	850301		860528	SGU

X Position : 3300.00 Y Position : 257.38

Elevation of Top of Core : 8.74
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 48.610 Final Weight : 48.469 Deviation : 0.290 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.279	17.081	60.571
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.442	19.480	80.051
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.298	10.931	90.982
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.058	6.309	97.291
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.032	2.129	99.420
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.252	0.520	99.940
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.029	0.060	100.000
-1.00	2.000	0.150	0.309	0.309	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.349	0.720	1.030	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.761	1.570	2.600	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.771	1.591	4.190	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.902	1.861	6.051	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.440	2.971	9.022	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.570	3.239	12.261	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.079	4.289	16.551	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.168	8.599	25.150	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.008	8.269	33.419	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.881	10.070	43.490	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.309	24.841	54.901	19.949	0.000	0.000
Unified Classification	0.000	0.309	33.110	66.581	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.42	0.75	-0.94	3.67
Folk Graphic Measures (PHI)	1.60	1.47	0.73	-0.32	1.11
Grain Size (mm)	0.33	0.37			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217405	850301		860528	MHJ

X Position : 3300.00 Y Position : 299.43

Elevation of Top of Core : 6.65
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 40.600 Final Weight : 40.580 Deviation : 0.049 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.019	7.440	19.359
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	6.931	17.080	36.439
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.989	27.080	63.519
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.678	18.921	82.440
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.979	12.270	94.709
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.802	4.441	99.150
-1.25	2.378	0.041	0.101	0.101	3.25	0.105	0.280	0.690	99.840
-1.00	2.000	0.041	0.101	0.202	3.50	0.088	0.061	0.150	99.990
-0.75	1.682	0.081	0.200	0.402	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.138	0.340	0.742	4.00	0.063	0.004	0.010	100.000
-0.25	1.189	0.158	0.389	1.131	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.158	0.389	1.520	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.308	0.759	2.279	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.349	0.860	3.139	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.410	1.010	4.150	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.832	2.050	6.200	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.921	2.270	8.470	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.400	3.450	11.920	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.202	5.998	30.239	63.561	0.000	0.000
Unified Classification	0.000	0.202	8.268	91.520	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.04	0.60	-1.80	8.29
Folk Graphic Measures (PHI)	2.13	2.10	0.51	-0.21	1.38
Grain Size (mm)	0.23	0.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217406	850301		860528	SGU

X Position : 3300.00 Y Position : 329.66

Elevation of Top of Core : 4.29
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.720 Final Weight : 53.709 Deviation : 0.020 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.258	9.790	29.198
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.817	20.140	49.338
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	12.676	23.601	72.939
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.648	14.240	87.179
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.979	9.270	96.449
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.660	3.091	99.540
-1.25	2.378	0.032	0.060	0.060	3.25	0.105	0.209	0.389	99.929
-1.00	2.000	0.107	0.199	0.259	3.50	0.088	0.038	0.071	100.000
-0.75	1.682	0.183	0.341	0.600	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.128	2.100	2.700	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.670	3.109	5.809	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.020	1.899	7.708	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.010	1.881	9.589	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.682	1.270	10.859	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.618	1.151	12.009	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.961	1.789	13.798	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.171	2.180	15.979	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.842	3.430	19.408	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.259	13.540	35.540	50.662	0.000	0.000
Unified Classification	0.000	0.259	15.720	84.021	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.79	0.84	-1.55	4.92
Folk Graphic Measures (PHI)	2.01	1.90	0.76	-0.40	1.93
Grain Size (mm)	0.25	0.29			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217407	850301		860528	LSC

X Position : 3300.00 Y Position : 152.33

Elevation of Top of Core : -7.45
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 31.060 Final Weight : 30.990 Deviation : 0.225 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.020	3.291	6.602
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.399	7.741	14.343
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.680	18.328	32.672
-2.00	4.000	0.108	0.348	0.348	2.50	0.177	10.351	33.401	66.073
-1.75	3.364	0.000	0.000	0.348	2.75	0.149	6.179	19.939	86.012
-1.50	2.828	0.000	0.000	0.348	3.00	0.125	3.431	11.071	97.083
-1.25	2.378	0.000	0.000	0.348	3.25	0.105	0.731	2.359	99.442
-1.00	2.000	0.050	0.161	0.510	3.50	0.088	0.130	0.419	99.861
-0.75	1.682	0.000	0.000	0.510	3.75	0.074	0.031	0.100	99.961
-0.50	1.414	0.000	0.000	0.510	4.00	0.063	0.012	0.039	100.000
-0.25	1.189	0.000	0.000	0.510	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.031	0.100	0.610	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.610	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.050	0.161	0.771	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.059	0.190	0.962	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.149	0.481	1.442	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.229	0.739	2.181	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.350	1.129	3.311	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.510	0.933	12.901	85.657	0.000	0.000
Unified Classification	0.000	0.510	1.672	97.780	0.039	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.34	0.50	-3.44	28.37
Folk Graphic Measures (PHI)	2.38	2.38	0.38	-0.08	1.16
Grain Size (mm)	0.19	0.20			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217408	850301		860528	LSC

X Position : 3300.00 Y Position : 603.28

Elevation of Top of Core : -5.37
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 45.680 Final Weight : 45.670 Deviation : 0.022 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.882	6.310	16.670
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.270	11.539	28.209
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	8.221	18.001	46.210
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	11.221	24.570	70.780
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.111	15.570	86.350
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	4.489	9.829	96.179
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	1.320	2.890	99.069
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.338	0.740	99.810
-0.75	1.682	0.041	0.090	0.090	3.75	0.074	0.069	0.151	99.961
-0.50	1.414	0.082	0.180	0.269	4.00	0.063	0.018	0.039	100.000
-0.25	1.189	0.082	0.180	0.449	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.069	0.151	0.600	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.228	0.499	1.099	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.320	0.701	1.800	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.429	0.939	2.739	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.950	2.080	4.819	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.041	2.279	7.099	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.489	3.260	10.359	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	4.819	23.390	71.791	0.000	0.000
Unified Classification	0.000	0.000	7.099	92.862	0.039	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.19	0.59	-1.26	5.95
Folk Graphic Measures (PHI)	2.29	2.24	0.54	-0.22	1.25
Grain Size (mm)	0.20	0.22			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217409	850301		860528	LSC

X Position : 3300.00 Y Position : 749.69

Elevation of Top of Core : -8.19
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 34.110 Final Weight : 33.910 Deviation : 0.586 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.319	0.941	4.400
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.980	2.890	7.290
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.402	12.981	20.271
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.987	32.400	52.672
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	8.420	24.830	77.502
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	5.198	15.329	92.831
-1.25	2.378	0.071	0.209	0.209	3.25	0.105	1.631	4.810	97.641
-1.00	2.000	0.119	0.351	0.560	3.50	0.088	0.549	1.619	99.260
-0.75	1.682	0.041	0.121	0.681	3.75	0.074	0.210	0.619	99.879
-0.50	1.414	0.139	0.410	1.091	4.00	0.063	0.041	0.121	100.000
-0.25	1.189	0.159	0.469	1.560	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.081	0.239	1.799	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.081	0.239	2.038	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.081	0.239	2.277	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.071	0.209	2.486	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.109	0.321	2.807	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.092	0.271	3.079	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.129	0.380	3.459	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.560	2.247	4.482	92.710	0.000	0.000
Unified Classification	0.000	0.560	2.518	96.800	0.121	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.44	0.58	-3.14	18.32
Folk Graphic Measures (PHI)	2.48	2.50	0.37	0.03	1.23
Grain Size (mm)	0.18	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217410	850301		860528	LSC

X Position : 3300.00 Y Position : 842.08

Elevation of Top of Core : -10.35
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 25.040 Final Weight : 24.891 Deviation : 0.595 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.020	4.098	12.290
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.071	8.320	20.610
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.841	15.431	36.041
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.603	22.510	58.551
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.630	18.601	77.152
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	3.529	14.178	91.330
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	1.359	5.460	96.790
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.520	2.089	98.879
-0.75	1.682	0.060	0.241	0.241	3.75	0.074	0.219	0.880	99.759
-0.50	1.414	0.050	0.201	0.442	4.00	0.063	0.060	0.241	100.000
-0.25	1.189	0.110	0.442	0.884	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.139	0.558	1.442	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.199	0.799	2.242	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.229	0.920	3.162	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.219	0.880	4.042	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.311	1.249	5.291	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.291	1.169	6.460	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.431	1.732	8.192	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	5.291	15.319	79.390	0.000	0.000
Unified Classification	0.000	0.000	6.460	93.299	0.241	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.32	0.67	-1.57	7.11
Folk Graphic Measures (PHI)	2.41	2.38	0.59	-0.20	1.40
Grain Size (mm)	0.19	0.20			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217411	850301		860528	LSC

X Position : 3300.00 Y Position : 989.20

Elevation of Top of Core : -12.34
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 25.640 Final Weight : 25.478 Deviation : 0.632 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.359	1.409	5.801
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.879	3.450	9.251
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.939	7.610	16.862
-2.00	4.000	0.130	0.510	0.510	2.50	0.177	4.000	15.700	32.561
-1.75	3.364	0.161	0.632	1.142	2.75	0.149	5.771	22.651	55.212
-1.50	2.828	0.000	0.000	1.142	3.00	0.125	6.604	25.920	81.133
-1.25	2.378	0.099	0.389	1.531	3.25	0.105	3.111	12.211	93.343
-1.00	2.000	0.069	0.271	1.802	3.50	0.088	1.159	4.549	97.892
-0.75	1.682	0.000	0.000	1.802	3.75	0.074	0.420	1.648	99.541
-0.50	1.414	0.089	0.349	2.151	4.00	0.063	0.117	0.459	100.000
-0.25	1.189	0.051	0.200	2.351	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.031	0.122	2.473	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.061	0.239	2.712	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.069	0.271	2.983	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.051	0.200	3.183	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.099	0.389	3.572	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.079	0.310	3.882	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.130	0.510	4.392	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.802	1.770	5.679	90.749	0.000	0.000
Unified Classification	0.000	1.802	2.080	95.659	0.459	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.56	0.79	-3.42	18.46
Folk Graphic Measures (PHI)	2.69	2.66	0.47	-0.19	1.27
Grain Size (mm)	0.15	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217412	850301		860529	LSC

X Position : 3300.00 Y Position : 1220.40

Elevation of Top of Core : -13.31
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 22.020 Final Weight : 21.911 Deviation : 0.495 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.178
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.110	0.502	0.680
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.780	3.560	4.240
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.220	19.260	23.500
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.963	31.779	55.278
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	6.492	29.629	84.907
-1.25	2.378	0.039	0.178	0.178	3.25	0.105	2.500	11.410	96.317
-1.00	2.000	0.000	0.000	0.178	3.50	0.088	0.570	2.601	98.918
-0.75	1.682	0.000	0.000	0.178	3.75	0.074	0.180	0.822	99.740
-0.50	1.414	0.000	0.000	0.178	4.00	0.063	0.057	0.260	100.000
-0.25	1.189	0.000	0.000	0.178	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.178	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.178	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.178	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.178	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.178	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.178	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.178	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.178	0.000	0.502	99.320	0.000	0.000
Unified Classification	0.000	0.178	0.000	99.562	0.260	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.71	0.34	-2.72	37.05
Folk Graphic Measures (PHI)	2.71	2.70	0.29	0.01	0.97
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217413	850301		860529	LSC

X Position : 3300.00 Y Position : 1487.11

Elevation of Top of Core : -15.56
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 23.240 Final Weight : 23.100 Deviation : 0.602 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.081	0.351	0.351
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.610	2.641	2.991
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.550	15.368	18.359
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.420	32.121	50.481
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	7.438	32.199	82.680
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	3.019	13.069	95.749
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.691	2.991	98.740
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.219	0.948	99.688
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.072	0.312	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.351	99.649	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.688	0.312	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.75	0.29	0.30	3.64
Folk Graphic Measures (PHI)	2.75	2.74	0.29	0.01	1.00
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217414	850301		860529	LSC

X Position : 3300.00 Y Position : 1706.37

Elevation of Top of Core : -18.09
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 23.750 Final Weight : 23.639 Deviation : 0.467 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.080	0.338	0.338
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.839	3.549	3.888
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.390	18.571	22.459
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	10.243	43.331	65.790
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	5.971	25.259	91.049
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	1.530	6.472	97.521
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.470	1.988	99.509
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.116	0.491	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.509	0.491	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.92	0.26	0.37	3.88
Folk Graphic Measures (PHI)	2.91	2.92	0.26	0.08	1.11
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217415	850301		860529	LSC

X Position : 3300.00 Y Position : 1975.08

Elevation of Top of Core : -20.74
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 24.150 Final Weight : 24.031 Deviation : 0.493 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.101	0.420	0.420
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.560	2.330	2.751
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.990	8.281	11.032
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	6.861	28.551	39.582
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	8.942	37.210	76.792
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	3.501	14.569	91.361
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.540	6.408	97.770
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.536	2.230	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	97.770	2.230	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.08	0.30	0.16	3.50
Folk Graphic Measures (PHI)	3.07	3.08	0.31	0.06	1.20
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217416	850301		860529	LSC

X Position : 3300.00 Y Position : 2449.40

Elevation of Top of Core : -23.81
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.630 Final Weight : 32.540 Deviation : 0.276 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.049	0.151	0.151
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.329	1.011	1.162
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.541	7.809	8.970
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.002	24.591	33.562
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	11.919	36.629	70.191
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	5.522	16.970	87.160
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.932	9.010	96.171
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	1.246	3.829	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	96.171	3.829	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.13	0.31	0.29	3.07
Folk Graphic Measures (PHI)	3.11	3.13	0.32	0.09	1.10
Grain Size (mm)	0.12	0.11			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217417	850301		860529	LSC

X Position : 3300.00 Y Position : 2942.52

Elevation of Top of Core : -26.48
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.040 Final Weight : 31.870 Deviation : 0.531 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.061	0.191	0.191
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.411	1.290	1.481
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.349	7.371	8.852
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.612	30.160	39.012
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	10.966	34.409	73.420
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	4.360	13.681	87.101
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.792	8.761	95.861
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	1.319	4.139	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	95.861	4.139	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.11	0.32	0.43	3.16
Folk Graphic Measures (PHI)	3.08	3.11	0.33	0.16	1.15
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217503	850315		860612	LSC

X Position : 3300.00 Y Position : 227.60

Elevation of Top of Core : 12.25
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.200 Final Weight : 53.120 Deviation : 0.150 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.210	4.160	85.921
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.571	4.840	90.761
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.470	4.650	95.410
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.652	3.110	98.520
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.579	1.090	99.610
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.170	0.320	99.930
-1.25	2.378	0.101	0.190	0.190	3.25	0.105	0.032	0.060	99.991
-1.00	2.000	0.521	0.981	1.171	3.50	0.088	0.000	0.000	99.991
-0.75	1.682	1.657	3.119	4.290	3.75	0.074	0.000	0.000	99.991
-0.50	1.414	6.449	12.140	16.431	4.00	0.063	0.005	0.009	100.000
-0.25	1.189	8.887	16.730	33.161	4.25	0.053	0.000	0.000	100.000
0.00	1.000	7.548	14.209	47.370	4.50	0.044	0.000	0.000	100.000
0.25	0.841	7.410	13.950	61.320	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.181	7.871	69.191	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.459	4.629	73.820	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.790	3.370	77.189	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.158	2.180	79.369	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.270	2.391	81.760	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.171	76.018	13.571	9.239	0.000	0.000
Unified Classification	0.000	1.171	78.198	20.621	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.34	0.95	0.88	2.70
Folk Graphic Measures (PHI)	0.05	0.39	0.98	0.48	1.00
Grain Size (mm)	0.97	0.79			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217504	850315		860612	LSC

X Position : 3300.00 Y Position : 262.00

Elevation of Top of Core : 7.80
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 29.730 Final Weight : 29.659 Deviation : 0.239 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.295	14.481	66.651
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.221	14.232	80.883
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.150	10.621	91.503
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.880	6.339	97.842
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.501	1.689	99.531
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.139	0.469	100.000
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	0.050	0.169	0.169	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.059	0.199	0.368	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.341	1.150	1.517	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.670	2.259	3.776	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.881	2.970	6.747	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.860	6.271	13.018	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.311	7.792	20.810	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.141	7.219	28.029	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.391	8.062	36.090	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.159	7.279	43.370	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.610	8.800	52.170	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.169	35.922	44.792	19.117	0.000	0.000
Unified Classification	0.000	0.169	43.201	56.630	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.27	0.80	-0.44	2.35
Folk Graphic Measures (PHI)	1.44	1.29	0.82	-0.26	0.83
Grain Size (mm)	0.37	0.41			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217505	850315		860613	LSC

X Position : 3300.00 Y Position : 300.00

Elevation of Top of Core : 5.68
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : SAND HAS PINKISH TINT (Fe OXIDATION IN OVEN ?)

Start Weight : 54.630 Final Weight : 54.639 Deviation : 0.016 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.152	13.090	36.952
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.999	20.130	57.082
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.589	19.380	76.462
-2.00	4.000	0.328	0.600	0.600	2.50	0.177	8.458	15.480	91.942
-1.75	3.364	0.590	1.080	1.680	2.75	0.149	3.082	5.641	97.582
-1.50	2.828	0.301	0.551	2.231	3.00	0.125	1.131	2.070	99.652
-1.25	2.378	0.262	0.480	2.711	3.25	0.105	0.158	0.289	99.941
-1.00	2.000	0.251	0.459	3.170	3.50	0.088	0.027	0.049	99.991
-0.75	1.682	0.361	0.661	3.831	3.75	0.074	0.000	0.000	99.991
-0.50	1.414	0.459	0.840	4.671	4.00	0.063	0.005	0.009	100.000
-0.25	1.189	0.492	0.900	5.571	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.432	0.791	6.362	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.749	1.371	7.733	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.721	1.320	9.052	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.951	1.741	10.793	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.759	3.219	14.012	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.251	4.120	18.132	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.131	5.730	23.862	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	3.170	10.842	43.070	42.918	0.000	0.000
Unified Classification	0.000	3.170	14.962	81.859	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.69	0.92	-2.05	7.78
Folk Graphic Measures (PHI)	1.91	1.80	0.77	-0.39	1.76
Grain Size (mm)	0.27	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217506	850315		860613	LSC

X Position : 3300.00 Y Position : 337.20

Elevation of Top of Core : 2.18
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.190 Final Weight : 56.092 Deviation : 0.174 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.780	13.870	61.469
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.571	15.280	76.749
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.400	11.410	88.159
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.633	8.260	96.418
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.481	2.640	99.059
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.460	0.820	99.879
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.062	0.111	99.989
-1.00	2.000	0.112	0.200	0.200	3.50	0.088	0.000	0.000	99.989
-0.75	1.682	0.168	0.300	0.499	3.75	0.074	0.000	0.000	99.989
-0.50	1.414	0.421	0.751	1.250	4.00	0.063	0.006	0.011	100.000
-0.25	1.189	0.959	1.710	2.959	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.240	2.211	5.170	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.373	4.231	9.401	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.692	4.799	14.200	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.360	5.990	20.190	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.491	9.789	29.979	5.50	0.022	0.000	0.000	100.000
1.25	0.420	4.841	8.630	38.610	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.042	8.989	47.599	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.200	29.780	46.770	23.251	0.000	0.000
Unified Classification	0.000	0.200	38.410	61.380	0.011	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.40	0.77	-0.57	2.81
Folk Graphic Measures (PHI)	1.54	1.43	0.77	-0.24	0.92
Grain Size (mm)	0.34	0.38			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217507	850315		860616	LSC

X Position : 3300.00 Y Position : 459.60

Elevation of Top of Core : -7.27
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 29.530 Final Weight : 29.543 Deviation : 0.044 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.021	6.841	12.825
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.282	11.109	23.935
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.542	18.759	42.694
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.205	31.158	73.852
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.230	14.318	88.170
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	2.759	9.339	97.509
-1.25	2.378	0.030	0.102	0.102	3.25	0.105	0.650	2.200	99.709
-1.00	2.000	0.030	0.102	0.203	3.50	0.088	0.080	0.271	99.980
-0.75	1.682	0.000	0.000	0.203	3.75	0.074	0.000	0.000	99.980
-0.50	1.414	0.000	0.000	0.203	4.00	0.063	0.006	0.020	100.000
-0.25	1.189	0.030	0.102	0.305	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.030	0.102	0.406	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.050	0.169	0.575	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.071	0.240	0.816	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.100	0.338	1.154	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.219	0.741	1.896	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.269	0.911	2.806	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.939	3.178	5.984	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.203	1.692	22.039	76.065	0.000	0.000
Unified Classification	0.000	0.203	2.603	97.174	0.020	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.24	0.49	-1.58	10.02
Folk Graphic Measures (PHI)	2.31	2.27	0.44	-0.16	1.22
Grain Size (mm)	0.20	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217508	850315		860616	LSC

X Position : 3300.00 Y Position : 590.30

Elevation of Top of Core : -6.48
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 23.100 Final Weight : 23.041 Deviation : 0.255 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.970	8.550	22.555
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.901	12.591	35.146
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.239	14.058	49.204
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.610	15.668	64.871
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.419	14.839	79.710
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	3.039	13.190	92.900
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	1.311	5.690	98.589
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.260	1.128	99.718
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.051	0.221	99.939
-0.50	1.414	0.030	0.130	0.130	4.00	0.063	0.014	0.061	100.000
-0.25	1.189	0.051	0.221	0.352	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.069	0.299	0.651	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.129	0.560	1.211	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.159	0.690	1.901	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.300	1.302	3.203	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.620	2.691	5.894	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.590	2.561	8.454	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.279	5.551	14.005	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	5.894	29.252	64.854	0.000	0.000
Unified Classification	0.000	0.000	8.454	91.485	0.061	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.18	0.66	-0.83	3.99
Folk Graphic Measures (PHI)	2.26	2.22	0.65	-0.17	1.02
Grain Size (mm)	0.21	0.22			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217509	850315		860616	LSC

X Position : 3300.00 Y Position : 749.50

Elevation of Top of Core : -7.36
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 26.500 Final Weight : 26.391 Deviation : 0.411 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.251	4.740	9.102
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.581	9.780	18.881
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.589	13.599	32.481
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.669	21.481	53.962
-1.75	3.364	0.111	0.421	0.421	2.75	0.149	6.020	22.811	76.772
-1.50	2.828	0.000	0.000	0.421	3.00	0.125	4.618	17.498	94.271
-1.25	2.378	0.000	0.000	0.421	3.25	0.105	1.290	4.888	99.159
-1.00	2.000	0.000	0.000	0.421	3.50	0.088	0.169	0.640	99.799
-0.75	1.682	0.000	0.000	0.421	3.75	0.074	0.040	0.152	99.951
-0.50	1.414	0.000	0.000	0.421	4.00	0.063	0.013	0.049	100.000
-0.25	1.189	0.000	0.000	0.421	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.421	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.421	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.050	0.189	0.610	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.050	0.189	0.800	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.129	0.489	1.288	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.201	0.762	2.050	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.610	2.311	4.361	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.421	0.868	17.593	81.119	0.000	0.000
Unified Classification	0.000	0.421	1.629	97.901	0.049	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.38	0.54	-2.47	18.49
Folk Graphic Measures (PHI)	2.45	2.41	0.46	-0.18	1.00
Grain Size (mm)	0.18	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217510	850315		860616	LSC

X Position : 3300.00 Y Position : 841.60

Elevation of Top of Core : -10.49
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : CONCENTRATION OF HEAVIES IN 3.75,4.00 PHI SIEVES

Start Weight : 23.520 Final Weight : 23.490 Deviation : 0.128 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.289	1.230	4.721
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.681	2.899	7.620
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.529	6.509	14.129
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.911	16.650	30.779
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	5.591	23.802	54.581
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	5.802	24.700	79.281
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	3.291	14.010	93.291
-1.00	2.000	0.061	0.260	0.260	3.50	0.088	0.989	4.210	97.501
-0.75	1.682	0.031	0.132	0.392	3.75	0.074	0.500	2.129	99.630
-0.50	1.414	0.040	0.170	0.562	4.00	0.063	0.087	0.370	100.000
-0.25	1.189	0.031	0.132	0.694	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.040	0.170	0.864	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.049	0.209	1.073	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.089	0.379	1.452	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.120	0.511	1.963	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.129	0.549	2.512	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.080	0.341	2.852	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.150	0.639	3.491	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.260	2.252	5.109	92.380	0.000	0.000
Unified Classification	0.000	0.260	2.593	96.777	0.370	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.63	0.58	-2.36	13.41
Folk Graphic Measures (PHI)	2.70	2.69	0.44	-0.11	1.19
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217511	850315		860616	LSC

X Position : 3300.00 Y Position : 985.30

Elevation of Top of Core : -12.37
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 20.500 Final Weight : 20.461 Deviation : 0.190 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.100	0.489	3.553
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.280	1.368	4.922
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.870	4.252	9.174
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.860	13.978	23.151
-1.75	3.364	0.110	0.538	0.538	2.75	0.149	5.551	27.130	50.281
-1.50	2.828	0.000	0.000	0.538	3.00	0.125	5.823	28.459	78.740
-1.25	2.378	0.121	0.591	1.129	3.25	0.105	2.981	14.569	93.309
-1.00	2.000	0.100	0.489	1.618	3.50	0.088	0.900	4.399	97.708
-0.75	1.682	0.041	0.200	1.818	3.75	0.074	0.350	1.711	99.418
-0.50	1.414	0.041	0.200	2.018	4.00	0.063	0.119	0.582	100.000
-0.25	1.189	0.000	0.000	2.018	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	2.018	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.031	0.152	2.170	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.031	0.152	2.321	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.031	0.152	2.473	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.041	0.200	2.673	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.031	0.152	2.825	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.049	0.239	3.064	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.618	1.056	2.248	95.078	0.000	0.000
Unified Classification	0.000	1.618	1.207	96.594	0.582	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.66	0.70	-3.93	23.26
Folk Graphic Measures (PHI)	2.75	2.74	0.38	-0.08	1.22
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217512	850315		860616	LSC

X Position : 3300.00 Y Position : 1235.00

Elevation of Top of Core : -13.45
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 35.780 Final Weight : 35.650 Deviation : 0.363 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.139	0.390	0.390
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.258	3.529	3.919
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.371	23.481	27.400
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	12.977	36.401	63.801
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.438	23.669	87.470
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	3.269	9.170	96.640
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.870	2.440	99.080
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.250	0.701	99.781
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.078	0.219	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.390	99.610	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.781	0.219	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.68	0.29	0.54	3.73
Folk Graphic Measures (PHI)	2.66	2.67	0.29	0.11	0.98
Grain Size (mm)	0.16	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217513	850315		860616	LSC

X Position : 3300.00 Y Position : 1474.20

Elevation of Top of Core : -15.49
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 25.900 Final Weight : 25.761 Deviation : 0.537 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.229	0.889	0.889
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.461	5.671	6.560
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.589	25.577	32.138
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	8.380	32.530	64.668
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	5.878	22.817	87.485
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	2.391	9.281	96.766
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.580	2.251	99.018
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.201	0.780	99.798
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.052	0.202	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.889	99.111	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.798	0.202	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.66	0.31	0.42	3.50
Folk Graphic Measures (PHI)	2.64	2.65	0.31	0.08	0.97
Grain Size (mm)	0.16	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217514	850315		860616	LSC

X Position : 3300.00 Y Position : 1727.10

Elevation of Top of Core : -18.35
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 24.810 Final Weight : 24.711 Deviation : 0.399 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.151	0.611	0.611
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.300	5.261	5.872
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.030	28.449	34.321
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.701	39.258	73.579
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	4.739	19.178	92.756
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	1.231	4.982	97.738
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.450	1.821	99.559
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.109	0.441	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.559	0.441	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.86	0.27	0.51	3.86
Folk Graphic Measures (PHI)	2.85	2.86	0.27	0.09	1.06
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217515	850315		860616	LSC

X Position : 3300.00 Y Position : 1977.20

Elevation of Top of Core : -20.65
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 36.560 Final Weight : 36.450 Deviation : 0.301 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.098	0.269	0.269
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.488	1.339	1.608
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.441	9.440	11.048
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	14.420	39.561	50.609
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	13.968	38.321	88.930
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.271	6.230	95.160
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.341	3.679	98.840
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.423	1.160	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	98.840	1.160	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.01	0.25	0.50	4.54
Folk Graphic Measures (PHI)	3.00	3.00	0.25	0.06	1.15
Grain Size (mm)	0.13	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217516	850315		860616	LSC

X Position : 3300.00 Y Position : 2431.90

Elevation of Top of Core : -23.61
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 20.890 Final Weight : 20.832 Deviation : 0.278 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.040	0.192	0.192
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.240	1.152	1.344
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.421	6.821	8.165
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	6.199	29.757	37.922
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	8.070	38.738	76.661
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.950	14.161	90.822
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.429	6.860	97.681
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.483	2.319	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	97.681	2.319	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.09	0.29	0.36	3.53
Folk Graphic Measures (PHI)	3.08	3.09	0.30	0.10	1.20
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217517	850315		860616	LSC

X Position : 3300.00 Y Position : 2935.50

Elevation of Top of Core : -26.48
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : CONCENTRATION OF HEAVIES IN 4.00/PAN

Start Weight : 20.880 Final Weight : 20.801 Deviation : 0.378 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.040	0.192	0.192
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.289	1.389	1.582
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.531	7.360	8.942
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	6.723	32.321	41.262
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	7.151	34.378	75.641
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.870	13.797	89.438
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.581	7.601	97.039
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.616	2.961	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	97.039	2.961	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.09	0.30	0.43	3.33
Folk Graphic Measures (PHI)	3.06	3.09	0.31	0.15	1.18
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217903	850509		860617	LSC

X Position : 3300.00 Y Position : 232.51

Elevation of Top of Core : 11.92
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.050 Final Weight : 56.981 Deviation : 0.121 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.140	9.021	80.699
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.912	8.620	89.319
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.459	6.070	95.390
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.801	3.161	98.550
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.638	1.120	99.670
-1.50	2.828	0.131	0.230	0.230	3.00	0.125	0.160	0.281	99.951
-1.25	2.378	0.148	0.260	0.490	3.25	0.105	0.028	0.049	100.000
-1.00	2.000	0.131	0.230	0.720	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.462	0.811	1.530	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	2.701	4.740	6.271	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	4.758	8.350	14.621	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.900	8.599	23.220	4.50	0.044	0.000	0.000	100.000
0.25	0.841	6.405	11.241	34.461	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.011	7.039	41.500	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.581	8.040	49.539	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.162	9.059	58.598	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.652	6.409	65.008	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.801	6.671	71.678	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.720	57.879	30.721	10.681	0.000	0.000
Unified Classification	0.000	0.720	64.288	34.992	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.80	0.91	0.07	2.02
Folk Graphic Measures (PHI)	0.76	0.80	0.94	0.05	0.74
Grain Size (mm)	0.59	0.58			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217904	850509		860617	LSC

X Position : 3300.00 Y Position : 260.10

Elevation of Top of Core : 8.81
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 28.810 Final Weight : 28.830 Deviation : 0.069 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.540	12.279	33.191
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	6.423	22.279	55.470
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.282	21.790	77.260
-2.00	4.000	0.461	1.599	1.599	2.50	0.177	4.399	15.258	92.518
-1.75	3.364	0.000	0.000	1.599	2.75	0.149	1.612	5.591	98.110
-1.50	2.828	0.320	1.110	2.709	3.00	0.125	0.470	1.630	99.740
-1.25	2.378	0.381	1.322	4.031	3.25	0.105	0.069	0.239	99.979
-1.00	2.000	0.389	1.349	5.380	3.50	0.088	0.000	0.000	99.979
-0.75	1.682	0.349	1.211	6.590	3.75	0.074	0.000	0.000	99.979
-0.50	1.414	0.620	2.151	8.741	4.00	0.063	0.006	0.021	100.000
-0.25	1.189	0.219	0.760	9.501	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.170	0.590	10.090	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.179	0.621	10.711	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.110	0.382	11.093	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.150	0.520	11.613	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.389	1.349	12.962	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.781	2.709	15.671	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.511	5.241	20.912	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	5.380	7.582	42.508	44.530	0.000	0.000
Unified Classification	0.000	5.380	10.291	84.308	0.021	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.65	1.04	-2.07	6.78
Folk Graphic Measures (PHI)	1.94	1.85	0.83	-0.43	2.35
Grain Size (mm)	0.26	0.32			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217905	850509		860617	LSC

X Position : 3300.00 Y Position : 295.13

Elevation of Top of Core : 7.64
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 38.970 Final Weight : 38.929 Deviation : 0.105 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.149	8.089	40.887
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.330	13.692	54.579
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.031	18.061	72.640
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.046	18.100	90.740
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.601	6.681	97.421
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.891	2.289	99.710
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.109	0.280	99.990
-1.00	2.000	0.070	0.180	0.180	3.50	0.088	0.000	0.000	99.990
-0.75	1.682	0.140	0.360	0.539	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.522	1.341	1.880	4.00	0.063	0.004	0.010	100.000
-0.25	1.189	1.289	3.311	5.192	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.300	3.339	8.531	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.098	5.389	13.920	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.331	3.419	17.339	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.370	3.519	20.858	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.670	4.290	25.148	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.359	3.491	28.639	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.619	4.159	32.798	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.180	24.969	29.431	45.421	0.000	0.000
Unified Classification	0.000	0.180	28.460	71.350	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.60	0.92	-0.90	2.73
Folk Graphic Measures (PHI)	1.92	1.58	0.94	-0.50	0.93
Grain Size (mm)	0.26	0.33			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217906	850509		860617	LSC

X Position : 3300.00 Y Position : 336.00

Elevation of Top of Core : 4.50
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : CONCENTRARION OF HEAVIES IN 3.25,3.5 PHI SIEVES

Start Weight : 26.770 Final Weight : 26.661 Deviation : 0.407 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.770	10.390	20.869
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.271	19.770	40.640
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.596	24.740	65.380
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.460	20.479	85.859
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.661	9.981	95.840
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.920	3.451	99.291
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.160	0.600	99.891
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.029	0.109	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.061	0.229	0.229	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.171	0.641	0.870	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.120	0.450	1.320	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.200	0.750	2.070	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.421	1.579	3.650	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.640	2.401	6.050	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.181	4.430	10.480	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	3.650	36.990	59.360	0.000	0.000
Unified Classification	0.000	0.000	6.050	93.950	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.04	0.49	-1.03	5.36
Folk Graphic Measures (PHI)	2.09	2.07	0.45	-0.15	1.15
Grain Size (mm)	0.23	0.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217907	850509		860617	LSC

X Position : 3300.00 Y Position : 446.90

Elevation of Top of Core : -4.62
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 21.800 Final Weight : 21.630 Deviation : 0.780 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.480	2.219	3.740
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.220	5.640	9.380
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.091	14.290	23.671
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.449	34.438	58.109
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	5.340	24.688	82.797
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	3.011	13.920	96.718
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.610	2.820	99.538
-1.00	2.000	0.050	0.231	0.231	3.50	0.088	0.091	0.421	99.958
-0.75	1.682	0.000	0.000	0.231	3.75	0.074	0.000	0.000	99.958
-0.50	1.414	0.000	0.000	0.231	4.00	0.063	0.009	0.042	100.000
-0.25	1.189	0.000	0.000	0.231	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.231	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.231	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.231	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.231	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.050	0.231	0.462	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.080	0.370	0.832	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.149	0.689	1.521	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.231	0.231	8.918	90.620	0.000	0.000
Unified Classification	0.000	0.231	0.601	99.126	0.042	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.43	0.39	-2.15	19.31
Folk Graphic Measures (PHI)	2.44	2.44	0.34	-0.04	1.16
Grain Size (mm)	0.18	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217908	850509		860617	LSC

X Position : 3300.00 Y Position : 580.74

Elevation of Top of Core : -6.86
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PINKISH TINT, CONCEN. OF HEAVIES IN 3.25,3.50,3.75

Start Weight : 36.760 Final Weight : 36.678 Deviation : 0.223 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.840	10.469	21.018
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.380	20.121	41.139
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	8.682	23.671	64.810
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.310	19.930	84.740
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.679	10.031	94.771
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.442	3.932	98.702
-1.25	2.378	0.051	0.139	0.139	3.25	0.105	0.341	0.930	99.632
-1.00	2.000	0.029	0.079	0.218	3.50	0.088	0.099	0.270	99.902
-0.75	1.682	0.000	0.000	0.218	3.75	0.074	0.029	0.079	99.981
-0.50	1.414	0.081	0.221	0.439	4.00	0.063	0.007	0.019	100.000
-0.25	1.189	0.059	0.161	0.600	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.099	0.270	0.870	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.209	0.570	1.440	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.169	0.461	1.900	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.271	0.739	2.639	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.550	1.500	4.139	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.851	2.320	6.459	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.500	4.090	10.549	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.218	3.921	37.000	58.861	0.000	0.000
Unified Classification	0.000	0.218	6.241	93.522	0.019	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.04	0.54	-1.51	8.59
Folk Graphic Measures (PHI)	2.09	2.07	0.47	-0.14	1.18
Grain Size (mm)	0.23	0.24			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217909	850509		860617	LSC

X Position : 3300.00 Y Position : 726.01

Elevation of Top of Core : -5.83
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : PINKISH TINT

Start Weight : 29.210 Final Weight : 29.121 Deviation : 0.305 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.149	7.380	25.068
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.550	12.191	37.258
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.840	16.620	53.879
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.906	20.281	74.160
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.208	14.450	88.610
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	2.679	9.200	97.809
-1.25	2.378	0.090	0.309	0.309	3.25	0.105	0.571	1.961	99.770
-1.00	2.000	0.000	0.000	0.309	3.50	0.088	0.061	0.209	99.979
-0.75	1.682	0.029	0.100	0.409	3.75	0.074	0.000	0.000	99.979
-0.50	1.414	0.160	0.549	0.958	4.00	0.063	0.006	0.021	100.000
-0.25	1.189	0.271	0.931	1.889	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.259	0.889	2.778	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.521	1.789	4.567	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.411	1.411	5.979	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.571	1.961	7.939	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.850	2.919	10.858	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.859	2.950	13.808	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.130	3.880	17.688	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.309	10.549	26.400	62.742	0.000	0.000
Unified Classification	0.000	0.309	13.499	86.171	0.021	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.01	0.77	-1.43	5.33
Folk Graphic Measures (PHI)	2.19	2.08	0.71	-0.34	1.39
Grain Size (mm)	0.22	0.25			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217910	850509		860617	LSC

X Position : 3300.00 Y Position : 868.42

Elevation of Top of Core : -10.84
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 33.220 Final Weight : 33.000 Deviation : 0.662 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.139	0.421	1.142
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.511	1.548	2.691
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.871	5.670	8.361
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.890	17.848	26.209
-1.75	3.364	0.079	0.239	0.239	2.75	0.149	10.217	30.961	57.170
-1.50	2.828	0.000	0.000	0.239	3.00	0.125	10.131	30.700	87.870
-1.25	2.378	0.000	0.000	0.239	3.25	0.105	3.221	9.761	97.630
-1.00	2.000	0.059	0.179	0.418	3.50	0.088	0.650	1.970	99.600
-0.75	1.682	0.000	0.000	0.418	3.75	0.074	0.109	0.330	99.930
-0.50	1.414	0.000	0.000	0.418	4.00	0.063	0.023	0.070	100.000
-0.25	1.189	0.030	0.091	0.509	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.509	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.030	0.091	0.600	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.600	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.600	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.600	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.600	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.040	0.121	0.721	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.418	0.182	2.091	97.309	0.000	0.000
Unified Classification	0.000	0.418	0.182	99.330	0.070	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.66	0.43	-4.52	44.20
Folk Graphic Measures (PHI)	2.69	2.67	0.32	-0.09	1.07
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217912	850509		860617	LSC

X Position : 3300.00 Y Position : 1202.15

Elevation of Top of Core : -13.02
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 24.970 Final Weight : 24.838 Deviation : 0.529 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.370	1.490	6.244
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.790	3.181	9.425
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.861	7.493	16.918
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.290	17.272	34.190
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	5.919	23.830	58.020
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	5.954	23.971	81.991
-1.25	2.378	0.089	0.358	0.358	3.25	0.105	2.889	11.631	93.623
-1.00	2.000	0.060	0.242	0.600	3.50	0.088	1.090	4.388	98.011
-0.75	1.682	0.099	0.399	0.998	3.75	0.074	0.410	1.651	99.662
-0.50	1.414	0.089	0.358	1.357	4.00	0.063	0.084	0.338	100.000
-0.25	1.189	0.060	0.242	1.598	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.079	0.318	1.916	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.129	0.519	2.436	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.070	0.282	2.718	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.089	0.358	3.076	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.139	0.560	3.636	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.129	0.519	4.155	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.149	0.600	4.755	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.600	3.036	5.790	90.575	0.000	0.000
Unified Classification	0.000	0.600	3.555	95.507	0.338	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.56	0.69	-2.69	13.65
Folk Graphic Measures (PHI)	2.67	2.64	0.48	-0.17	1.31
Grain Size (mm)	0.16	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217913	850509		860617	LSC

X Position : 3300.00 Y Position : 1494.33

Elevation of Top of Core : -15.00
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.150 Final Weight : 32.018 Deviation : 0.411 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.269	0.840	2.877
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.140	3.560	6.437
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.419	13.802	20.239
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.789	27.450	47.689
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	9.049	28.262	75.951
-1.50	2.828	0.070	0.219	0.219	3.00	0.125	5.251	16.400	92.351
-1.25	2.378	0.061	0.191	0.409	3.25	0.105	1.649	5.150	97.501
-1.00	2.000	0.080	0.250	0.659	3.50	0.088	0.551	1.721	99.222
-0.75	1.682	0.051	0.159	0.818	3.75	0.074	0.211	0.659	99.881
-0.50	1.414	0.061	0.191	1.009	4.00	0.063	0.038	0.119	100.000
-0.25	1.189	0.029	0.091	1.099	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.038	0.119	1.218	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.051	0.159	1.377	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	1.377	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.029	0.091	1.468	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.051	0.159	1.627	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.051	0.159	1.786	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.080	0.250	2.036	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.659	0.968	4.810	93.563	0.000	0.000
Unified Classification	0.000	0.659	1.127	98.095	0.119	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.48	0.54	-3.53	25.11
Folk Graphic Measures (PHI)	2.52	2.52	0.36	-0.00	1.12
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217914	850509		860617	LSC

X Position : 3300.00 Y Position : 1712.86

Elevation of Top of Core : -17.80
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.220 Final Weight : 31.980 Deviation : 0.745 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.029	0.091	0.591
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.179	0.560	1.151
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.039	3.249	4.400
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.481	17.139	21.538
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	11.100	34.709	56.248
-1.50	2.828	0.051	0.159	0.159	3.00	0.125	9.102	28.462	84.709
-1.25	2.378	0.080	0.250	0.410	3.25	0.105	3.160	9.881	94.590
-1.00	2.000	0.000	0.000	0.410	3.50	0.088	1.190	3.721	98.311
-0.75	1.682	0.029	0.091	0.500	3.75	0.074	0.441	1.379	99.690
-0.50	1.414	0.000	0.000	0.500	4.00	0.063	0.099	0.310	100.000
-0.25	1.189	0.000	0.000	0.500	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.500	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.500	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.500	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.500	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.500	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.500	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.500	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.410	0.091	0.650	98.849	0.000	0.000
Unified Classification	0.000	0.410	0.091	99.190	0.310	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.71	0.42	-4.30	45.41
Folk Graphic Measures (PHI)	2.70	2.71	0.30	0.06	1.07
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217915	850509		860617	LSC

X Position : 3300.00 Y Position : 1956.94

Elevation of Top of Core : -20.31
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 26.420 Final Weight : 26.249 Deviation : 0.647 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.270
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.039	0.149	0.419
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.181	0.690	1.109
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.110	4.229	5.337
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.699	17.902	23.239
-1.50	2.828	0.071	0.270	0.270	3.00	0.125	10.111	38.520	61.759
-1.25	2.378	0.000	0.000	0.270	3.25	0.105	6.639	25.292	87.051
-1.00	2.000	0.000	0.000	0.270	3.50	0.088	2.210	8.419	95.470
-0.75	1.682	0.000	0.000	0.270	3.75	0.074	0.879	3.349	98.819
-0.50	1.414	0.000	0.000	0.270	4.00	0.063	0.310	1.181	100.000
-0.25	1.189	0.000	0.000	0.270	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.270	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.270	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.270	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.270	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.270	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.270	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.270	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.270	0.000	0.149	99.581	0.000	0.000
Unified Classification	0.000	0.270	0.000	98.549	1.181	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.93	0.38	-4.37	56.13
Folk Graphic Measures (PHI)	2.92	2.93	0.30	0.08	1.12
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217916	850509		860617	LSC

X Position : 3300.00 Y Position : 2423.52

Elevation of Top of Core : -23.43
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : CONCENTRATION OF HEAVIES IN 3.75,4.00/PAN PHI SIEV

Start Weight : 37.480 Final Weight : 37.371 Deviation : 0.291 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.071	0.190	0.190
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.411	1.100	1.290
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.489	6.660	7.950
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	13.412	35.889	43.839
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	12.482	33.400	77.239
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	5.452	14.589	91.828
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.209	5.911	97.739
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.845	2.261	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	97.739	2.261	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.07	0.29	0.48	3.54
Folk Graphic Measures (PHI)	3.05	3.07	0.29	0.16	1.12
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6217917	850509		860617	LSC

X Position : 3300.00 Y Position : 2942.58

Elevation of Top of Core : -26.24
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 7.840 Final Weight : 7.750 Deviation : 1.148 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.000	0.000	0.000
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.080	1.032	1.032
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.400	5.161	6.194
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.811	23.368	29.561
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	2.753	35.523	65.084
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	1.701	21.948	87.032
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.750	9.677	96.710
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.255	3.290	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	100.000	0.000	0.000
Unified Classification	0.000	0.000	0.000	96.710	3.290	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.16	0.30	0.20	2.97
Folk Graphic Measures (PHI)	3.14	3.15	0.31	0.08	1.01
Grain Size (mm)	0.11	0.11			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218003	850531		870701	LLS

X Position : 3300.00 Y Position : 232.32

Elevation of Top of Core : 11.99
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.990 Final Weight : 58.909 Deviation : 0.137 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.779	9.810	76.729
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.679	9.640	86.369
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.230	7.181	93.549
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.651	4.500	98.050
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.890	1.511	99.560
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.212	0.360	99.920
-1.25	2.378	0.088	0.149	0.149	3.25	0.105	0.047	0.080	100.000
-1.00	2.000	0.147	0.250	0.399	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.459	0.779	1.178	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	3.181	5.400	6.578	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	5.867	9.959	16.537	4.25	0.053	0.000	0.000	100.000
0.00	1.000	5.302	9.000	25.538	4.50	0.044	0.000	0.000	100.000
0.25	0.841	5.779	9.810	35.348	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.399	5.770	41.118	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.069	5.210	46.327	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.031	8.540	54.868	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.052	5.181	60.049	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.047	6.870	66.918	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.399	54.469	31.501	13.631	0.000	0.000
Unified Classification	0.000	0.399	59.650	39.951	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.85	0.96	0.03	1.78
Folk Graphic Measures (PHI)	0.86	0.84	0.99	-0.00	0.69
Grain Size (mm)	0.55	0.55			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218004	850531		870701	LLS

X Position : 3300.00 Y Position : 261.24

Elevation of Top of Core : 8.77
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.360 Final Weight : 62.288 Deviation : 0.115 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	10.240	16.440	42.019
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	13.106	21.041	63.060
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.882	17.470	80.531
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.369	11.831	92.361
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.538	5.680	98.041
-1.50	2.828	0.199	0.319	0.319	3.00	0.125	0.990	1.589	99.631
-1.25	2.378	0.087	0.140	0.459	3.25	0.105	0.193	0.310	99.941
-1.00	2.000	0.230	0.369	0.828	3.50	0.088	0.037	0.059	100.000
-0.75	1.682	0.442	0.710	1.538	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.673	1.080	2.618	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.723	1.161	3.779	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.679	1.090	4.869	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.121	1.800	6.669	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.909	1.459	8.128	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.258	2.020	10.148	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.953	4.741	14.889	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.510	4.030	18.919	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.149	6.661	25.580	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.828	14.060	48.171	36.940	0.000	0.000
Unified Classification	0.000	0.828	18.090	81.081	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.69	0.77	-1.52	5.84
Folk Graphic Measures (PHI)	1.84	1.75	0.71	-0.32	1.54
Grain Size (mm)	0.28	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218005	850531		870702	LLS

X Position : 3300.00 Y Position : 294.23

Elevation of Top of Core : 8.03
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.820 Final Weight : 57.919 Deviation : 0.171 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.950	12.000	30.931
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	14.028	24.220	55.151
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.657	18.400	73.551
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.962	17.200	90.751
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.539	6.110	96.861
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.228	2.120	98.981
-1.25	2.378	0.081	0.140	0.140	3.25	0.105	0.411	0.710	99.691
-1.00	2.000	0.052	0.090	0.230	3.50	0.088	0.127	0.219	99.910
-0.75	1.682	0.122	0.211	0.440	3.75	0.074	0.052	0.090	100.000
-0.50	1.414	0.452	0.780	1.221	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.701	1.210	2.431	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.730	1.260	3.691	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.187	2.049	5.741	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.759	1.310	7.051	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.840	1.450	8.502	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.790	3.091	11.592	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.581	2.730	14.322	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.670	4.610	18.932	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.230	11.362	43.559	44.849	0.000	0.000
Unified Classification	0.000	0.230	14.092	85.678	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.82	0.71	-1.49	5.77
Folk Graphic Measures (PHI)	1.95	1.90	0.65	-0.28	1.60
Grain Size (mm)	0.26	0.28			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218006	850531		870702	LLS

X Position : 3300.00 Y Position : 325.85

Elevation of Top of Core : 5.35
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.490 Final Weight : 54.429 Deviation : 0.112 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.441	13.671	65.981
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.119	13.079	79.061
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.497	10.099	89.160
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.739	6.869	96.030
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.638	3.009	99.039
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.441	0.810	99.849
-1.25	2.378	0.109	0.200	0.200	3.25	0.105	0.082	0.151	100.000
-1.00	2.000	0.310	0.570	0.770	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.463	0.851	1.620	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.159	2.129	3.750	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.889	3.471	7.220	4.25	0.053	0.000	0.000	100.000
0.00	1.000	2.379	4.371	11.591	4.50	0.044	0.000	0.000	100.000
0.25	0.841	3.788	6.960	18.551	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.749	5.051	23.601	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.732	5.019	28.621	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.122	9.410	38.031	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.200	5.879	43.910	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.572	8.400	52.310	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.770	37.261	41.030	20.939	0.000	0.000
Unified Classification	0.000	0.770	43.141	56.090	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.23	0.90	-0.50	2.42
Folk Graphic Measures (PHI)	1.43	1.24	0.93	-0.29	0.87
Grain Size (mm)	0.37	0.43			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218007	850530		870702	LLS

X Position : 3300.00 Y Position : 452.35

Elevation of Top of Core : -6.48
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.510 Final Weight : 56.539 Deviation : 0.051 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.783	6.691	11.489
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.273	16.401	27.890
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	12.331	21.810	49.700
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	13.558	23.980	73.680
-1.75	3.364	0.062	0.110	0.110	2.75	0.149	6.853	12.121	85.801
-1.50	2.828	0.000	0.000	0.110	3.00	0.125	4.489	7.940	93.741
-1.25	2.378	0.040	0.071	0.180	3.25	0.105	2.250	3.980	97.720
-1.00	2.000	0.051	0.090	0.271	3.50	0.088	0.650	1.150	98.870
-0.75	1.682	0.090	0.159	0.430	3.75	0.074	0.390	0.690	99.560
-0.50	1.414	0.119	0.210	0.640	4.00	0.063	0.249	0.440	100.000
-0.25	1.189	0.079	0.140	0.780	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.090	0.159	0.939	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.119	0.210	1.150	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.079	0.140	1.289	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.107	0.189	1.479	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.368	0.651	2.130	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.469	0.830	2.959	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.040	1.839	4.798	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.271	1.859	25.761	72.110	0.000	0.000
Unified Classification	0.000	0.271	2.688	96.601	0.440	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.24	0.57	-1.52	11.71
Folk Graphic Measures (PHI)	2.25	2.26	0.46	0.04	1.13
Grain Size (mm)	0.21	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218008	850530		870702	LLS

X Position : 3300.00 Y Position : 592.66

Elevation of Top of Core : -5.08
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.350 Final Weight : 58.390 Deviation : 0.069 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.941	6.749	12.840
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.270	12.451	25.290
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.483	16.241	41.531
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	17.698	30.310	71.841
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	10.218	17.500	89.341
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	4.210	7.210	96.551
-1.25	2.378	0.053	0.091	0.091	3.25	0.105	1.629	2.790	99.341
-1.00	2.000	0.041	0.070	0.161	3.50	0.088	0.263	0.450	99.791
-0.75	1.682	0.041	0.070	0.231	3.75	0.074	0.099	0.170	99.961
-0.50	1.414	0.058	0.099	0.331	4.00	0.063	0.023	0.039	100.000
-0.25	1.189	0.029	0.050	0.380	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.053	0.091	0.471	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.140	0.240	0.711	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.128	0.219	0.930	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.228	0.390	1.320	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.642	1.100	2.420	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.701	1.201	3.620	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.442	2.470	6.090	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.161	2.259	22.870	74.710	0.000	0.000
Unified Classification	0.000	0.161	3.459	96.340	0.039	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.24	0.51	-1.57	9.64
Folk Graphic Measures (PHI)	2.32	2.27	0.45	-0.19	1.16
Grain Size (mm)	0.20	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218009	850530		870702	LLS

X Position : 3300.00 Y Position : 732.25

Elevation of Top of Core : -7.00
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.140 Final Weight : 51.122 Deviation : 0.035 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.751	1.469	2.463
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.040	3.990	6.453
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.892	9.569	16.022
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	20.182	39.478	55.501
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	13.092	25.609	81.110
-1.50	2.828	0.031	0.061	0.061	3.00	0.125	6.901	13.499	94.609
-1.25	2.378	0.041	0.080	0.141	3.25	0.105	1.999	3.910	98.519
-1.00	2.000	0.000	0.000	0.141	3.50	0.088	0.399	0.780	99.300
-0.75	1.682	0.000	0.000	0.141	3.75	0.074	0.281	0.550	99.849
-0.50	1.414	0.000	0.000	0.141	4.00	0.063	0.077	0.151	100.000
-0.25	1.189	0.000	0.000	0.141	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.141	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.031	0.061	0.201	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.201	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.031	0.061	0.262	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.072	0.141	0.403	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.092	0.180	0.583	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.210	0.411	0.994	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.141	0.262	6.050	93.547	0.000	0.000
Unified Classification	0.000	0.141	0.442	99.266	0.151	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.48	0.37	-1.93	22.45
Folk Graphic Measures (PHI)	2.47	2.51	0.31	0.11	1.19
Grain Size (mm)	0.18	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218010	850530		870702	LLS

X Position : 3300.00 Y Position : 840.01

Elevation of Top of Core : -10.83
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.440 Final Weight : 52.431 Deviation : 0.017 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.645	1.230	8.760
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.568	2.991	11.751
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.691	7.040	18.790
-2.00	4.000	0.718	1.369	1.369	2.50	0.177	10.318	19.679	38.470
-1.75	3.364	0.231	0.441	1.810	2.75	0.149	20.883	39.829	78.299
-1.50	2.828	0.267	0.509	2.319	3.00	0.125	7.188	13.709	92.009
-1.25	2.378	0.388	0.740	3.059	3.25	0.105	2.910	5.550	97.559
-1.00	2.000	0.252	0.481	3.540	3.50	0.088	0.682	1.301	98.859
-0.75	1.682	0.199	0.380	3.919	3.75	0.074	0.488	0.931	99.790
-0.50	1.414	0.377	0.719	4.638	4.00	0.063	0.100	0.191	99.981
-0.25	1.189	0.110	0.210	4.848	4.25	0.053	0.010	0.019	100.000
0.00	1.000	0.121	0.231	5.079	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.189	0.360	5.440	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.147	0.280	5.720	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.184	0.351	6.071	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.309	0.589	6.660	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.189	0.360	7.021	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.267	0.509	7.530	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	3.540	3.120	5.090	88.230	0.019	0.000
Unified Classification	0.000	3.540	3.481	92.770	0.210	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.34	0.97	-3.13	13.17
Folk Graphic Measures (PHI)	2.57	2.53	0.66	-0.42	3.30
Grain Size (mm)	0.17	0.20			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218011	850530		870702	LLS

X Position : 3300.00 Y Position : 975.78

Elevation of Top of Core : -12.55
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.330 Final Weight : 50.321 Deviation : 0.018 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.750	1.490	4.690
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.942	3.859	8.549
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.539	9.020	17.569
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	12.505	24.850	42.420
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	11.881	23.610	66.030
-1.50	2.828	0.060	0.119	0.119	3.00	0.125	9.999	19.870	85.901
-1.25	2.378	0.050	0.099	0.219	3.25	0.105	5.329	10.590	96.491
-1.00	2.000	0.040	0.079	0.298	3.50	0.088	0.961	1.910	98.400
-0.75	1.682	0.101	0.201	0.499	3.75	0.074	0.538	1.069	99.469
-0.50	1.414	0.101	0.201	0.700	4.00	0.063	0.267	0.531	100.000
-0.25	1.189	0.081	0.161	0.860	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.070	0.139	1.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.151	0.300	1.300	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.101	0.201	1.500	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.131	0.260	1.761	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.231	0.459	2.220	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.201	0.399	2.619	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.292	0.580	3.199	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.298	1.922	6.329	91.451	0.000	0.000
Unified Classification	0.000	0.298	2.321	96.850	0.531	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.54	0.57	-2.56	16.05
Folk Graphic Measures (PHI)	2.58	2.59	0.41	-0.05	1.10
Grain Size (mm)	0.17	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218013	850530		870706	LLS

X Position : 3300.00 Y Position : 1483.57

Elevation of Top of Core : -14.98
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 63.170 Final Weight : 63.129 Deviation : 0.065 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.429	0.680	5.628
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.591	2.520	8.148
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.601	12.040	20.189
-2.00	4.000	0.789	1.250	1.250	2.50	0.177	26.691	42.280	62.469
-1.75	3.364	0.221	0.350	1.600	2.75	0.149	11.041	17.490	79.958
-1.50	2.828	0.120	0.190	1.790	3.00	0.125	7.393	11.711	91.669
-1.25	2.378	0.221	0.350	2.140	3.25	0.105	3.390	5.370	97.039
-1.00	2.000	0.259	0.410	2.550	3.50	0.088	1.067	1.690	98.730
-0.75	1.682	0.170	0.269	2.820	3.75	0.074	0.600	0.950	99.680
-0.50	1.414	0.221	0.350	3.170	4.00	0.063	0.202	0.320	100.000
-0.25	1.189	0.189	0.299	3.469	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.133	0.211	3.680	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.170	0.269	3.949	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.101	0.160	4.109	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.107	0.169	4.279	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.152	0.241	4.519	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.101	0.160	4.679	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.170	0.269	4.949	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	2.550	1.969	3.629	91.852	0.000	0.000
Unified Classification	0.000	2.550	2.129	95.001	0.320	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.34	0.84	-3.55	17.86
Folk Graphic Measures (PHI)	2.43	2.48	0.42	0.05	1.67
Grain Size (mm)	0.19	0.20			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218014	850530		870706	LLS

X Position : 3300.00 Y Position : 1732.54

Elevation of Top of Core : -18.03
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 59.010 Final Weight : 58.898 Deviation : 0.190 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.041	0.070	0.317
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.188	0.319	0.637
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.190	2.020	2.657
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.520	11.070	13.727
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	14.637	24.851	38.579
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	19.060	32.361	70.940
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	13.182	22.381	93.321
-1.00	2.000	0.059	0.100	0.100	3.50	0.088	2.179	3.700	97.020
-0.75	1.682	0.029	0.049	0.149	3.75	0.074	1.272	2.160	99.180
-0.50	1.414	0.029	0.049	0.199	4.00	0.063	0.483	0.820	100.000
-0.25	1.189	0.029	0.049	0.248	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.248	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.248	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.248	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.248	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.248	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.248	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.248	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.100	0.148	0.389	99.363	0.000	0.000
Unified Classification	0.000	0.100	0.148	98.932	0.820	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.83	0.37	-2.32	27.49
Folk Graphic Measures (PHI)	2.84	2.84	0.32	-0.01	1.01
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218015	850530		870706	LLS

X Position : 3300.00 Y Position : 1977.55

Elevation of Top of Core : -20.46
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.350 Final Weight : 52.239 Deviation : 0.212 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.140
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.052	0.100	0.239
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.261	0.500	0.739
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.343	2.571	3.310
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	11.482	21.980	25.290
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	20.650	39.530	64.819
-1.25	2.378	0.031	0.059	0.059	3.25	0.105	13.117	25.110	89.929
-1.00	2.000	0.042	0.080	0.140	3.50	0.088	2.539	4.860	94.789
-0.75	1.682	0.000	0.000	0.140	3.75	0.074	1.870	3.580	98.369
-0.50	1.414	0.000	0.000	0.140	4.00	0.063	0.852	1.631	100.000
-0.25	1.189	0.000	0.000	0.140	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.140	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.140	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.140	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.140	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.140	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.140	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.140	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.140	0.000	0.100	99.761	0.000	0.000
Unified Classification	0.000	0.140	0.000	98.229	1.631	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.93	0.33	-2.29	37.90
Folk Graphic Measures (PHI)	2.91	2.91	0.29	0.13	1.15
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218016	850530		870706	LLS

X Position : 3300.00 Y Position : 2458.89

Elevation of Top of Core : -23.67
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.380 Final Weight : 60.280 Deviation : 0.166 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.149
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.030	0.050	0.199
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.133	0.221	0.420
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.880	1.460	1.880
-1.75	3.364	0.060	0.100	0.100	2.75	0.149	12.092	20.060	21.939
-1.50	2.828	0.000	0.000	0.100	3.00	0.125	27.072	44.910	66.850
-1.25	2.378	0.000	0.000	0.100	3.25	0.105	14.262	23.660	90.509
-1.00	2.000	0.000	0.000	0.100	3.50	0.088	2.851	4.730	95.239
-0.75	1.682	0.000	0.000	0.100	3.75	0.074	1.839	3.051	98.290
-0.50	1.414	0.030	0.050	0.149	4.00	0.063	1.031	1.710	100.000
-0.25	1.189	0.000	0.000	0.149	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.149	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.149	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.149	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.149	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.149	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.149	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.149	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.100	0.050	0.050	99.801	0.000	0.000
Unified Classification	0.000	0.100	0.050	98.140	1.710	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.93	0.32	-3.35	58.87
Folk Graphic Measures (PHI)	2.91	2.92	0.27	0.16	1.22
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218017	850530		870706	LLS

X Position : 3300.00 Y Position : 2986.35

Elevation of Top of Core : -26.47
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.380 Final Weight : 52.209 Deviation : 0.326 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.031	0.059	0.329
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.042	0.080	0.410
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.151	0.289	0.699
-2.00	4.000	0.110	0.211	0.211	2.50	0.177	0.679	1.301	2.000
-1.75	3.364	0.000	0.000	0.211	2.75	0.149	3.582	6.861	8.861
-1.50	2.828	0.000	0.000	0.211	3.00	0.125	14.561	27.890	36.750
-1.25	2.378	0.031	0.059	0.270	3.25	0.105	21.531	41.240	77.990
-1.00	2.000	0.000	0.000	0.270	3.50	0.088	6.850	13.120	91.111
-0.75	1.682	0.000	0.000	0.270	3.75	0.074	3.190	6.110	97.221
-0.50	1.414	0.000	0.000	0.270	4.00	0.063	1.451	2.779	100.000
-0.25	1.189	0.000	0.000	0.270	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.270	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.270	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.270	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.270	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.270	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.270	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.270	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.270	0.000	0.140	99.590	0.000	0.000
Unified Classification	0.000	0.270	0.000	96.951	2.779	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.08	0.39	-5.61	75.92
Folk Graphic Measures (PHI)	3.08	3.09	0.30	0.07	1.28
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218102	850620		870706	LLS

X Position : 3300.00 Y Position : 195.13

Elevation of Top of Core : 18.27
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.360 Final Weight : 57.231 Deviation : 0.225 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	12.253	21.410	72.181
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.258	14.429	86.610
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.578	7.999	94.610
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.997	3.489	98.099
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.813	1.421	99.519
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.217	0.379	99.899
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.052	0.091	99.990
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	99.990
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	0.069	0.121	0.121	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.149	0.260	0.381	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.458	0.800	1.181	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.801	1.400	2.581	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.952	3.411	5.992	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.207	14.340	20.332	5.50	0.022	0.000	0.000	100.000
1.25	0.420	7.039	12.299	32.631	5.75	0.019	0.000	0.000	100.000
1.50	0.354	10.382	18.141	50.771	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	20.332	66.279	13.390	0.000	0.000
Unified Classification	0.000	0.000	32.631	67.359	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.46	0.50	-0.08	3.18
Folk Graphic Measures (PHI)	1.49	1.46	0.50	-0.06	0.93
Grain Size (mm)	0.36	0.36			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218103	850620		870706	LLS

X Position : 3300.00 Y Position : 229.50

Elevation of Top of Core : 12.58
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 59.540 Final Weight : 59.420 Deviation : 0.202 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.538	9.320	77.661
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.657	9.520	87.181
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.462	7.509	94.690
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.210	3.719	98.410
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.790	1.330	99.739
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.149	0.251	99.990
-1.25	2.378	0.048	0.081	0.081	3.25	0.105	0.000	0.000	99.990
-1.00	2.000	0.178	0.300	0.380	3.50	0.088	0.000	0.000	99.990
-0.75	1.682	1.087	1.829	2.210	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	3.310	5.571	7.780	4.00	0.063	0.006	0.010	100.000
-0.25	1.189	5.348	9.000	16.781	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.837	8.140	24.921	4.50	0.044	0.000	0.000	100.000
0.25	0.841	6.774	11.400	36.321	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.440	5.789	42.110	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.060	5.150	47.260	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.170	8.701	55.961	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.179	5.350	61.311	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.177	7.030	68.341	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.380	55.581	31.220	12.819	0.000	0.000
Unified Classification	0.000	0.380	60.931	38.679	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.82	0.96	0.03	1.80
Folk Graphic Measures (PHI)	0.83	0.82	0.99	-0.00	0.71
Grain Size (mm)	0.56	0.57			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218105	850620		870713	LLS

X Position : 3300.00 Y Position : 294.29

Elevation of Top of Core : 8.24
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 83.960 Final Weight : 83.919 Deviation : 0.049 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.819	11.701	30.251
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	22.700	27.050	57.300
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	19.956	23.780	81.081
-2.00	4.000	0.034	0.041	0.041	2.50	0.177	9.877	11.770	92.850
-1.75	3.364	0.042	0.050	0.091	2.75	0.149	3.600	4.290	97.140
-1.50	2.828	0.000	0.000	0.091	3.00	0.125	1.603	1.910	99.050
-1.25	2.378	0.050	0.060	0.150	3.25	0.105	0.554	0.660	99.710
-1.00	2.000	0.042	0.050	0.200	3.50	0.088	0.176	0.210	99.920
-0.75	1.682	0.193	0.230	0.430	3.75	0.074	0.067	0.080	100.000
-0.50	1.414	0.311	0.371	0.801	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.613	0.730	1.531	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.688	0.820	2.351	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.032	1.230	3.581	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.923	1.100	4.681	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.116	1.330	6.011	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.467	2.940	8.950	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.979	3.550	12.500	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.077	6.050	18.550	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.200	8.750	48.350	42.700	0.000	0.000
Unified Classification	0.000	0.200	12.300	87.500	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.83	0.63	-1.60	7.49
Folk Graphic Measures (PHI)	1.93	1.88	0.54	-0.25	1.54
Grain Size (mm)	0.26	0.28			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218106	850620		870713	LLS

X Position : 3300.00 Y Position : 329.57

Elevation of Top of Core : 4.25
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 59.660 Final Weight : 59.530 Deviation : 0.218 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.911	6.570	39.750
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.180	17.101	56.850
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	12.376	20.790	77.640
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.531	14.331	91.970
-1.75	3.364	0.190	0.319	0.319	2.75	0.149	3.631	6.099	98.070
-1.50	2.828	0.048	0.081	0.400	3.00	0.125	1.018	1.710	99.780
-1.25	2.378	0.631	1.060	1.460	3.25	0.105	0.131	0.220	100.000
-1.00	2.000	2.161	3.630	5.090	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	2.792	4.690	9.780	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	2.667	4.480	14.260	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	2.590	4.351	18.611	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.441	2.421	21.031	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.482	2.490	23.521	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.839	1.409	24.930	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.839	1.409	26.340	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.208	2.029	28.369	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.072	1.801	30.170	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.792	3.010	33.180	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	5.090	23.279	28.481	43.150	0.000	0.000
Unified Classification	0.000	5.090	25.080	69.830	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.37	1.21	-0.98	2.52
Folk Graphic Measures (PHI)	1.90	1.29	1.24	-0.63	0.87
Grain Size (mm)	0.27	0.39			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218107	850620		870713	LLS

X Position : 3300.00 Y Position : 483.27

Elevation of Top of Core : -6.78
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.110 Final Weight : 56.030 Deviation : 0.143 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.900	10.530	27.098
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	13.823	24.671	51.769
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	13.358	23.841	75.609
-2.00	4.000	0.050	0.089	0.089	2.50	0.177	8.461	15.101	90.710
-1.75	3.364	0.112	0.200	0.289	2.75	0.149	3.468	6.190	96.900
-1.50	2.828	0.050	0.089	0.378	3.00	0.125	1.188	2.120	99.020
-1.25	2.378	0.000	0.000	0.378	3.25	0.105	0.392	0.700	99.720
-1.00	2.000	0.067	0.120	0.498	3.50	0.088	0.118	0.211	99.930
-0.75	1.682	0.050	0.089	0.587	3.75	0.074	0.039	0.070	100.000
-0.50	1.414	0.191	0.341	0.928	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.280	0.500	1.428	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.459	0.819	2.247	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.628	1.121	3.368	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.538	0.960	4.328	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.717	1.280	5.608	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.518	2.709	8.317	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.642	2.931	11.248	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.981	5.320	16.568	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.498	7.819	43.452	48.231	0.000	0.000
Unified Classification	0.000	0.498	10.750	88.752	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.88	0.64	-1.89	9.38
Folk Graphic Measures (PHI)	1.98	1.95	0.54	-0.22	1.54
Grain Size (mm)	0.25	0.27			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218108	850620		870713	LLS

X Position : 3300.00 Y Position : 622.81

Elevation of Top of Core : -6.19
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.130 Final Weight : 49.971 Deviation : 0.317 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.499	3.000	6.682
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.718	7.440	14.122
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.251	12.509	26.631
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.889	19.789	46.421
-1.75	3.364	0.030	0.060	0.060	2.75	0.149	15.855	31.728	78.149
-1.50	2.828	0.030	0.060	0.120	3.00	0.125	8.120	16.249	94.399
-1.25	2.378	0.050	0.100	0.220	3.25	0.105	2.379	4.761	99.160
-1.00	2.000	0.000	0.000	0.220	3.50	0.088	0.270	0.540	99.700
-0.75	1.682	0.000	0.000	0.220	3.75	0.074	0.110	0.220	99.920
-0.50	1.414	0.000	0.000	0.220	4.00	0.063	0.030	0.060	99.980
-0.25	1.189	0.030	0.060	0.280	4.25	0.053	0.010	0.020	100.000
0.00	1.000	0.040	0.080	0.360	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.080	0.160	0.520	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.100	0.200	0.720	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.140	0.280	1.001	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.340	0.680	1.681	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.340	0.680	2.361	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.660	1.321	3.682	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.220	1.461	12.441	85.858	0.020	0.000
Unified Classification	0.000	0.220	2.141	97.559	0.080	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.43	0.50	-2.21	14.74
Folk Graphic Measures (PHI)	2.53	2.47	0.42	-0.26	1.15
Grain Size (mm)	0.17	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218109	850620		870713	LLS

X Position : 3300.00 Y Position : 729.73

Elevation of Top of Core : -5.93
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.520 Final Weight : 51.338 Deviation : 0.353 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.530	2.980	12.219
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.102	7.990	20.209
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	8.240	16.050	36.260
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	12.465	24.280	60.540
-1.75	3.364	0.031	0.060	0.060	2.75	0.149	12.429	24.210	84.750
-1.50	2.828	0.082	0.160	0.220	3.00	0.125	5.991	11.670	96.420
-1.25	2.378	0.159	0.310	0.530	3.25	0.105	1.561	3.041	99.460
-1.00	2.000	0.041	0.080	0.610	3.50	0.088	0.190	0.370	99.831
-0.75	1.682	0.098	0.191	0.801	3.75	0.074	0.082	0.160	99.990
-0.50	1.414	0.221	0.430	1.231	4.00	0.063	0.000	0.000	99.990
-0.25	1.189	0.272	0.530	1.761	4.25	0.053	0.005	0.010	100.000
0.00	1.000	0.231	0.450	2.211	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.477	0.929	3.140	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.431	0.840	3.980	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.498	0.970	4.950	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.780	1.519	6.469	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.570	1.110	7.579	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.852	1.660	9.239	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.610	5.859	13.740	79.781	0.010	0.000
Unified Classification	0.000	0.610	6.969	92.411	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.24	0.70	-2.35	10.40
Folk Graphic Measures (PHI)	2.39	2.33	0.55	-0.34	1.58
Grain Size (mm)	0.19	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218110	850620		870713	LLS

X Position : 3300.00 Y Position : 835.01

Elevation of Top of Core : -10.61
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.220 Final Weight : 53.040 Deviation : 0.338 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.541	1.020	2.310
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.830	3.450	5.760
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.678	8.820	14.580
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.178	19.189	33.769
-1.75	3.364	0.090	0.170	0.170	2.75	0.149	20.930	39.461	73.230
-1.50	2.828	0.000	0.000	0.170	3.00	0.125	10.253	19.331	92.560
-1.25	2.378	0.042	0.079	0.249	3.25	0.105	2.732	5.151	97.711
-1.00	2.000	0.048	0.090	0.339	3.50	0.088	0.668	1.259	98.971
-0.75	1.682	0.000	0.000	0.339	3.75	0.074	0.398	0.750	99.721
-0.50	1.414	0.042	0.079	0.419	4.00	0.063	0.111	0.209	99.930
-0.25	1.189	0.000	0.000	0.419	4.25	0.053	0.037	0.070	100.000
0.00	1.000	0.000	0.000	0.419	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.419	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.032	0.060	0.479	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.048	0.090	0.569	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.080	0.151	0.720	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.090	0.170	0.890	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.212	0.400	1.290	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.339	0.381	5.040	94.170	0.070	0.000
Unified Classification	0.000	0.339	0.551	98.831	0.279	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.56	0.44	-3.39	32.10
Folk Graphic Measures (PHI)	2.60	2.59	0.33	-0.10	1.24
Grain Size (mm)	0.16	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218111	850620		870713	LLS

X Position : 3300.00 Y Position : 962.98

Elevation of Top of Core : -12.56
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.900 Final Weight : 52.791 Deviation : 0.206 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.702	1.330	5.052
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.090	3.959	9.011
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.498	8.520	17.531
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.141	19.210	36.741
-1.75	3.364	0.121	0.229	0.229	2.75	0.149	19.084	36.150	72.891
-1.50	2.828	0.000	0.000	0.229	3.00	0.125	9.212	17.450	90.341
-1.25	2.378	0.000	0.000	0.229	3.25	0.105	3.489	6.609	96.950
-1.00	2.000	0.048	0.091	0.320	3.50	0.088	0.839	1.589	98.540
-0.75	1.682	0.058	0.110	0.430	3.75	0.074	0.523	0.991	99.530
-0.50	1.414	0.121	0.229	0.659	4.00	0.063	0.169	0.320	99.850
-0.25	1.189	0.143	0.271	0.930	4.25	0.053	0.079	0.150	100.000
0.00	1.000	0.090	0.170	1.101	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.148	0.280	1.381	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.143	0.271	1.652	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.201	0.381	2.033	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.311	0.589	2.622	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.222	0.421	3.042	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.359	0.680	3.722	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.320	2.302	6.389	90.839	0.150	0.000
Unified Classification	0.000	0.320	2.722	96.488	0.470	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.51	0.57	-2.89	18.28
Folk Graphic Measures (PHI)	2.59	2.57	0.39	-0.14	1.36
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218112	850620		870713	LLS

X Position : 3300.00 Y Position : 1253.09

Elevation of Top of Core : -13.18
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.700 Final Weight : 50.499 Deviation : 0.396 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.752	1.489	6.448
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.530	5.010	11.458
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	6.272	12.420	23.878
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	11.650	23.070	46.947
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	13.999	27.721	74.669
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	7.530	14.911	89.580
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	3.651	7.230	96.810
-1.00	2.000	0.081	0.160	0.160	3.50	0.088	0.879	1.741	98.550
-0.75	1.682	0.030	0.059	0.220	3.75	0.074	0.561	1.111	99.661
-0.50	1.414	0.091	0.180	0.400	4.00	0.063	0.141	0.279	99.941
-0.25	1.189	0.182	0.360	0.760	4.25	0.053	0.030	0.059	100.000
0.00	1.000	0.172	0.341	1.101	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.242	0.479	1.580	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.252	0.499	2.079	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.288	0.570	2.650	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.439	0.869	3.519	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.278	0.551	4.069	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.449	0.889	4.959	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.160	3.358	7.939	88.483	0.059	0.000
Unified Classification	0.000	0.160	3.909	95.592	0.339	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.45	0.59	-2.07	10.91
Folk Graphic Measures (PHI)	2.53	2.51	0.46	-0.14	1.40
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218113	850620		870713	LLS

X Position : 3300.00 Y Position : 1470.25

Elevation of Top of Core : -14.90
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.280 Final Weight : 58.062 Deviation : 0.374 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.343	0.591	3.062
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.661	2.861	5.923
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.281	12.540	18.463
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	16.071	27.679	46.142
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	19.450	33.499	79.641
-1.50	2.828	0.192	0.331	0.331	3.00	0.125	7.792	13.420	93.061
-1.25	2.378	0.192	0.331	0.661	3.25	0.105	2.752	4.740	97.801
-1.00	2.000	0.168	0.289	0.951	3.50	0.088	0.720	1.240	99.041
-0.75	1.682	0.139	0.239	1.190	3.75	0.074	0.430	0.741	99.781
-0.50	1.414	0.168	0.289	1.479	4.00	0.063	0.110	0.189	99.971
-0.25	1.189	0.070	0.121	1.600	4.25	0.053	0.017	0.029	100.000
0.00	1.000	0.058	0.100	1.700	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.070	0.121	1.820	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.058	0.100	1.920	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.070	0.121	2.041	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.081	0.140	2.180	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.070	0.121	2.301	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.099	0.171	2.471	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.951	1.230	3.743	94.048	0.029	0.000
Unified Classification	0.000	0.951	1.350	97.480	0.219	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.47	0.59	-3.86	25.18
Folk Graphic Measures (PHI)	2.53	2.52	0.34	-0.04	1.19
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218114	850620		870713	SJT

X Position : 3300.00 Y Position : 1765.23

Elevation of Top of Core : -18.46
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.730 Final Weight : 58.549 Deviation : 0.308 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.029	0.050	0.260
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.187	0.319	0.579
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.872	1.489	2.068
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.181	15.681	17.749
-1.75	3.364	0.053	0.091	0.091	2.75	0.149	23.742	40.551	58.300
-1.50	2.828	0.041	0.070	0.161	3.00	0.125	11.780	20.120	78.420
-1.25	2.378	0.000	0.000	0.161	3.25	0.105	7.980	13.630	92.049
-1.00	2.000	0.000	0.000	0.161	3.50	0.088	2.922	4.991	97.040
-0.75	1.682	0.000	0.000	0.161	3.75	0.074	1.259	2.150	99.190
-0.50	1.414	0.029	0.050	0.210	4.00	0.063	0.357	0.610	99.800
-0.25	1.189	0.000	0.000	0.210	4.25	0.053	0.117	0.200	100.000
0.00	1.000	0.000	0.000	0.210	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.210	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.210	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.210	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.210	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.210	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.210	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.161	0.050	0.369	99.221	0.200	0.000
Unified Classification	0.000	0.161	0.050	98.980	0.810	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.75	0.38	-2.47	37.15
Folk Graphic Measures (PHI)	2.70	2.76	0.32	0.28	1.09
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218115	850620		870713	SJT

X Position : 3300.00 Y Position : 2014.33

Elevation of Top of Core : -20.74
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.240 Final Weight : 50.109 Deviation : 0.261 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.100
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.040	0.080	0.180
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.180	0.359	0.539
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.163	2.321	2.860
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	15.820	31.571	34.431
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	19.342	38.600	73.031
-1.25	2.378	0.050	0.100	0.100	3.25	0.105	9.421	18.801	91.832
-1.00	2.000	0.000	0.000	0.100	3.50	0.088	1.979	3.949	95.781
-0.75	1.682	0.000	0.000	0.100	3.75	0.074	1.408	2.810	98.591
-0.50	1.414	0.000	0.000	0.100	4.00	0.063	0.511	1.020	99.611
-0.25	1.189	0.000	0.000	0.100	4.25	0.053	0.195	0.389	100.000
0.00	1.000	0.000	0.000	0.100	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.100	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.100	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.100	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.100	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.100	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.100	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.100	0.000	0.080	99.431	0.389	0.000
Unified Classification	0.000	0.100	0.000	98.491	1.409	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.88	0.32	-1.60	36.24
Folk Graphic Measures (PHI)	2.85	2.87	0.28	0.19	1.09
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218116	850620		870714	LLS

X Position : 3300.00 Y Position : 0.00

Elevation of Top of Core : -23.60
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.060 Final Weight : 57.971 Deviation : 0.153 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.041	0.071	0.071
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.128	0.221	0.292
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.841	1.451	1.742
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	22.591	38.969	40.712
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	22.631	39.038	79.750
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	7.368	12.710	92.460
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.139	3.690	96.150
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.449	2.500	98.649
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.528	0.911	99.560
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.255	0.440	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.071	99.489	0.440	0.000
Unified Classification	0.000	0.000	0.000	98.649	1.351	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.85	0.28	1.45	6.31
Folk Graphic Measures (PHI)	2.81	2.83	0.26	0.24	1.15
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218117	850620		870714	LLS

X Position : 3300.00 Y Position : 2927.14

Elevation of Top of Core : -26.29
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.660 Final Weight : 55.610 Deviation : 0.090 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.129
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.028	0.050	0.180
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.122	0.219	0.399
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.701	1.261	1.660
-1.75	3.364	0.072	0.129	0.129	2.75	0.149	11.178	20.101	21.760
-1.50	2.828	0.000	0.000	0.129	3.00	0.125	24.441	43.951	65.711
-1.25	2.378	0.000	0.000	0.129	3.25	0.105	11.411	20.520	86.231
-1.00	2.000	0.000	0.000	0.129	3.50	0.088	3.809	6.849	93.080
-0.75	1.682	0.000	0.000	0.129	3.75	0.074	2.669	4.799	97.880
-0.50	1.414	0.000	0.000	0.129	4.00	0.063	0.840	1.511	99.390
-0.25	1.189	0.000	0.000	0.129	4.25	0.053	0.339	0.610	100.000
0.00	1.000	0.000	0.000	0.129	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.129	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.129	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.129	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.129	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.129	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.129	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.129	0.000	0.050	99.211	0.610	0.000
Unified Classification	0.000	0.129	0.000	97.750	2.120	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.95	0.35	-2.71	50.05
Folk Graphic Measures (PHI)	2.91	2.94	0.30	0.22	1.26
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218202	850715		870714	LLS

X Position : 3300.00 Y Position : 196.20

Elevation of Top of Core : 17.89
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.880 Final Weight : 55.810 Deviation : 0.125 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	10.096	18.090	68.950
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.069	16.250	85.200
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.247	7.610	92.810
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.701	4.840	97.649
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.999	1.790	99.439
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.240	0.430	99.869
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.073	0.131	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.073	0.131	0.131	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.167	0.299	0.430	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.218	0.391	0.821	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.647	1.159	1.980	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.150	2.061	4.040	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.082	3.731	7.771	5.25	0.026	0.000	0.000	100.000
1.00	0.500	7.562	13.550	21.321	5.50	0.022	0.000	0.000	100.000
1.25	0.420	7.049	12.630	33.951	5.75	0.019	0.000	0.000	100.000
1.50	0.354	9.437	16.909	50.860	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	21.321	63.879	14.800	0.000	0.000
Unified Classification	0.000	0.000	33.951	66.049	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.46	0.55	-0.22	3.28
Folk Graphic Measures (PHI)	1.49	1.46	0.54	-0.06	0.96
Grain Size (mm)	0.36	0.36			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218203	850715		870714	LLS

X Position : 3300.00 Y Position : 230.92

Elevation of Top of Core : 12.41
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 61.850 Final Weight : 61.841 Deviation : 0.015 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.051	6.551	81.189
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.059	8.181	89.370
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.290	5.320	94.690
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.270	3.671	98.360
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.822	1.329	99.690
-1.50	2.828	0.049	0.079	0.079	3.00	0.125	0.161	0.260	99.950
-1.25	2.378	0.148	0.239	0.319	3.25	0.105	0.031	0.050	100.000
-1.00	2.000	0.390	0.631	0.949	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	1.360	2.199	3.148	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	3.667	5.930	9.078	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	7.149	11.560	20.638	4.25	0.053	0.000	0.000	100.000
0.00	1.000	7.309	11.819	32.457	4.50	0.044	0.000	0.000	100.000
0.25	0.841	8.219	13.291	45.748	4.75	0.037	0.000	0.000	100.000
0.50	0.707	4.811	7.780	53.528	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.111	5.031	58.558	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.242	6.860	65.418	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.610	4.221	69.638	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.092	5.000	74.638	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.949	64.469	23.952	10.630	0.000	0.000
Unified Classification	0.000	0.949	68.689	30.362	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.63	0.97	0.35	1.98
Folk Graphic Measures (PHI)	0.39	0.62	0.99	0.30	0.72
Grain Size (mm)	0.76	0.65			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218204	850715		870714	SJT

X Position : 3300.00 Y Position : 263.27

Elevation of Top of Core : 8.75
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 63.200 Final Weight : 63.191 Deviation : 0.014 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.761	10.699	50.270
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	12.455	19.710	69.980
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.349	11.630	81.610
-2.00	4.000	0.133	0.210	0.210	2.50	0.177	7.520	11.900	93.510
-1.75	3.364	0.379	0.600	0.810	2.75	0.149	3.248	5.140	98.650
-1.50	2.828	0.701	1.109	1.920	3.00	0.125	0.682	1.079	99.729
-1.25	2.378	0.480	0.760	2.679	3.25	0.105	0.133	0.210	99.940
-1.00	2.000	0.531	0.840	3.519	3.50	0.088	0.038	0.060	100.000
-0.75	1.682	0.973	1.540	5.059	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.409	2.230	7.289	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.788	2.830	10.119	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.567	2.480	12.598	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.509	3.971	16.569	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.357	3.730	20.299	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.092	3.311	23.609	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.520	5.570	29.180	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.553	4.040	33.220	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.013	6.351	39.571	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	3.519	25.660	40.800	30.020	0.000	0.000
Unified Classification	0.000	3.519	29.700	66.780	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.37	1.05	-1.10	3.58
Folk Graphic Measures (PHI)	1.74	1.42	1.03	-0.48	1.05
Grain Size (mm)	0.30	0.39			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218205	850715		870714	SJT

X Position : 3300.00 Y Position : 294.84

Elevation of Top of Core : 8.37
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.280 Final Weight : 58.310 Deviation : 0.051 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.951	15.351	58.210
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	12.012	20.600	78.810
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.907	10.130	88.940
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.478	7.680	96.620
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.528	2.620	99.240
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.367	0.629	99.870
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.070	0.120	99.990
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	99.990
-0.75	1.682	0.041	0.070	0.070	3.75	0.074	0.000	0.000	99.990
-0.50	1.414	0.000	0.000	0.070	4.00	0.063	0.000	0.000	99.990
-0.25	1.189	0.052	0.089	0.159	4.25	0.053	0.006	0.010	100.000
0.00	1.000	0.169	0.290	0.449	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.618	1.060	1.509	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.411	2.420	3.929	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.781	4.769	8.698	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.058	13.819	22.518	5.50	0.022	0.000	0.000	100.000
1.25	0.420	5.359	9.191	31.708	5.75	0.019	0.000	0.000	100.000
1.50	0.354	6.502	11.151	42.859	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	22.518	56.292	21.180	0.010	0.000
Unified Classification	0.000	0.000	31.708	68.282	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.54	0.59	-0.27	2.72
Folk Graphic Measures (PHI)	1.62	1.54	0.60	-0.15	0.87
Grain Size (mm)	0.33	0.34			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218206	850715		870714	SJT

X Position : 3300.00 Y Position : 337.62

Elevation of Top of Core : 4.49
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 48.650 Final Weight : 48.660 Deviation : 0.021 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.482	0.991	94.392
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.759	1.560	95.952
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.759	1.560	97.511
-2.00	4.000	5.381	11.058	11.058	2.50	0.177	0.720	1.480	98.991
-1.75	3.364	6.120	12.577	23.635	2.75	0.149	0.389	0.799	99.790
-1.50	2.828	11.652	23.946	47.581	3.00	0.125	0.102	0.210	100.000
-1.25	2.378	8.898	18.286	65.867	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	5.001	10.277	76.145	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	3.381	6.948	83.093	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	2.111	4.338	87.431	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.022	2.100	89.531	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.331	0.680	90.212	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.331	0.680	90.892	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.229	0.471	91.363	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.199	0.409	91.771	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.282	0.580	92.351	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.209	0.430	92.781	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.302	0.621	93.401	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	76.145	16.206	3.600	4.048	0.000	0.000
Unified Classification	0.000	76.145	16.636	7.219	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		-1.16	1.05	2.17	7.27
Folk Graphic Measures (PHI)	-1.47	-1.36	0.90	0.47	2.31
Grain Size (mm)	2.76	2.23			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218207	850715		870714	SJT

X Position : 3300.00 Y Position : 734.74

Elevation of Top of Core : -6.85
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.060 Final Weight : 61.982 Deviation : 0.126 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.740	4.421	7.833
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.768	15.759	23.592
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	11.318	18.260	41.852
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	14.788	23.859	65.711
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	9.880	15.940	81.651
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.820	14.230	95.881
-1.25	2.378	0.050	0.081	0.081	3.25	0.105	2.120	3.420	99.301
-1.00	2.000	0.000	0.000	0.081	3.50	0.088	0.328	0.529	99.831
-0.75	1.682	0.031	0.050	0.131	3.75	0.074	0.099	0.160	99.990
-0.50	1.414	0.050	0.081	0.211	4.00	0.063	0.000	0.000	99.990
-0.25	1.189	0.000	0.000	0.211	4.25	0.053	0.006	0.010	100.000
0.00	1.000	0.050	0.081	0.292	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.050	0.081	0.373	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.062	0.100	0.473	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.081	0.131	0.603	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.291	0.469	1.073	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.440	0.710	1.783	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.010	1.630	3.412	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.081	0.992	22.519	76.398	0.010	0.000
Unified Classification	0.000	0.081	1.702	98.208	0.010	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.31	0.47	-1.14	8.77
Folk Graphic Measures (PHI)	2.34	2.34	0.44	-0.03	0.91
Grain Size (mm)	0.20	0.20			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218208	850715		870714	LLS

X Position : 3300.00 Y Position : 294.84

Elevation of Top of Core : 8.37
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 59.660 Final Weight : 59.669 Deviation : 0.015 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.627	9.430	29.209
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	11.361	19.040	48.250
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	8.312	13.930	62.180
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	12.214	20.470	82.649
-1.75	3.364	0.101	0.169	0.169	2.75	0.149	6.021	10.091	92.740
-1.50	2.828	0.030	0.050	0.220	3.00	0.125	3.473	5.820	98.560
-1.25	2.378	0.078	0.131	0.350	3.25	0.105	0.758	1.270	99.831
-1.00	2.000	0.078	0.131	0.481	3.50	0.088	0.101	0.169	100.000
-0.75	1.682	0.161	0.270	0.751	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.310	0.520	1.270	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.471	0.789	2.060	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.519	0.870	2.929	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.871	1.460	4.389	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.002	1.679	6.068	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.020	1.709	7.778	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.023	3.390	11.168	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.029	3.400	14.569	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.109	5.210	19.779	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.481	10.687	37.081	51.750	0.000	0.000
Unified Classification	0.000	0.481	14.088	85.431	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.91	0.75	-1.46	6.03
Folk Graphic Measures (PHI)	2.03	1.96	0.68	-0.26	1.34
Grain Size (mm)	0.24	0.27			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218209	850715		870714	LLS

X Position : 3300.00 Y Position : 605.73

Elevation of Top of Core : -4.23
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : 1 ROCK 1 CM

Start Weight : 63.820 Final Weight : 63.789 Deviation : 0.049 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.343	5.241	10.459
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.270	16.100	26.559
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.959	17.180	43.740
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	16.592	26.011	69.750
-1.75	3.364	0.402	0.630	0.630	2.75	0.149	10.379	16.271	86.021
-1.50	2.828	0.000	0.000	0.630	3.00	0.125	7.087	11.110	97.131
-1.25	2.378	0.032	0.050	0.680	3.25	0.105	1.569	2.460	99.591
-1.00	2.000	0.000	0.000	0.680	3.50	0.088	0.198	0.310	99.901
-0.75	1.682	0.000	0.000	0.680	3.75	0.074	0.057	0.089	99.991
-0.50	1.414	0.000	0.000	0.680	4.00	0.063	0.000	0.000	99.991
-0.25	1.189	0.051	0.080	0.760	4.25	0.053	0.006	0.009	100.000
0.00	1.000	0.000	0.000	0.760	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.057	0.089	0.850	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.089	0.140	0.989	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.121	0.190	1.179	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.421	0.660	1.839	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.689	1.080	2.919	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.467	2.300	5.219	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.680	1.159	24.721	73.431	0.009	0.000
Unified Classification	0.000	0.680	2.239	97.072	0.009	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.25	0.56	-2.86	20.77
Folk Graphic Measures (PHI)	2.31	2.29	0.44	-0.10	1.00
Grain Size (mm)	0.20	0.21			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218210	850715		870714	LLS

X Position : 3300.00 Y Position : 882.23

Elevation of Top of Core : -11.81
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.750 Final Weight : 53.664 Deviation : 0.160 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.478	0.891	4.014
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.401	2.611	6.625
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.000	5.590	12.215
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.022	14.949	27.163
-1.75	3.364	0.199	0.371	0.371	2.75	0.149	24.888	46.377	73.541
-1.50	2.828	0.038	0.071	0.442	3.00	0.125	10.501	19.568	93.109
-1.25	2.378	0.070	0.130	0.572	3.25	0.105	2.458	4.580	97.689
-1.00	2.000	0.080	0.149	0.721	3.50	0.088	0.762	1.420	99.109
-0.75	1.682	0.102	0.190	0.911	3.75	0.074	0.360	0.671	99.780
-0.50	1.414	0.140	0.261	1.172	4.00	0.063	0.091	0.170	99.950
-0.25	1.189	0.129	0.240	1.412	4.25	0.053	0.027	0.050	100.000
0.00	1.000	0.091	0.170	1.582	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.113	0.211	1.793	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.118	0.220	2.013	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.091	0.170	2.182	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.188	0.350	2.532	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.118	0.220	2.752	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.199	0.371	3.123	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.721	1.811	4.092	93.325	0.050	0.000
Unified Classification	0.000	0.721	2.031	97.028	0.220	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.54	0.59	-4.08	26.27
Folk Graphic Measures (PHI)	2.62	2.61	0.33	-0.16	1.69
Grain Size (mm)	0.16	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218211	850715		870714	SJT

X Position : 3300.00 Y Position : 965.49

Elevation of Top of Core : -12.58
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.410 Final Weight : 62.222 Deviation : 0.301 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.180	0.289	0.921
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.772	1.241	2.162
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.470	3.970	6.131
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.308	14.959	21.091
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	18.722	30.089	51.180
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	14.771	23.739	74.919
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	10.179	16.359	91.278
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.458	3.950	95.228
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.842	2.960	98.189
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.691	1.111	99.299
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.436	0.701	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.031	0.050	0.050	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.050	0.080	0.130	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.062	0.100	0.230	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.100	0.161	0.391	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.050	0.080	0.471	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.100	0.161	0.632	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.391	1.771	97.138	0.701	0.000
Unified Classification	0.000	0.000	0.471	97.718	1.811	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.77	0.41	-0.22	6.69
Folk Graphic Measures (PHI)	2.74	2.76	0.38	0.12	1.14
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218212	850715		870714	SJT

X Position : 3300.00 Y Position : 1224.82

Elevation of Top of Core : -13.17
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.890 Final Weight : 57.830 Deviation : 0.104 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.867	1.499	7.270
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	2.539	4.390	11.660
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.748	8.210	19.870
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.803	18.681	38.551
-1.75	3.364	0.081	0.140	0.140	2.75	0.149	16.019	27.700	66.251
-1.50	2.828	0.000	0.000	0.140	3.00	0.125	10.201	17.640	83.891
-1.25	2.378	0.139	0.240	0.380	3.25	0.105	5.291	9.149	93.040
-1.00	2.000	0.098	0.169	0.550	3.50	0.088	2.232	3.860	96.900
-0.75	1.682	0.081	0.140	0.690	3.75	0.074	1.319	2.281	99.180
-0.50	1.414	0.179	0.310	0.999	4.00	0.063	0.353	0.610	99.791
-0.25	1.189	0.243	0.420	1.420	4.25	0.053	0.121	0.209	100.000
0.00	1.000	0.202	0.349	1.769	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.353	0.610	2.379	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.330	0.571	2.950	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.289	0.500	3.450	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.538	0.930	4.380	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.353	0.610	4.990	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.451	0.780	5.770	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.550	3.830	7.280	88.131	0.209	0.000
Unified Classification	0.000	0.550	4.441	94.190	0.820	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.51	0.71	-2.31	11.76
Folk Graphic Measures (PHI)	2.60	2.58	0.54	-0.18	1.57
Grain Size (mm)	0.16	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218213	850715		870715	LLS

X Position : 3300.00 Y Position : 1472.89

Elevation of Top of Core : -15.07
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.190 Final Weight : 50.138 Deviation : 0.104 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.391	0.780	5.439
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.770	3.530	8.969
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.241	18.431	27.400
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	14.766	29.451	56.851
-1.75	3.364	0.100	0.199	0.199	2.75	0.149	11.457	22.851	79.702
-1.50	2.828	0.371	0.740	0.939	3.00	0.125	6.498	12.960	92.662
-1.25	2.378	0.120	0.239	1.179	3.25	0.105	2.562	5.110	97.772
-1.00	2.000	0.201	0.401	1.580	3.50	0.088	0.521	1.039	98.811
-0.75	1.682	0.201	0.401	1.981	3.75	0.074	0.491	0.979	99.791
-0.50	1.414	0.191	0.381	2.361	4.00	0.063	0.080	0.160	99.950
-0.25	1.189	0.201	0.401	2.762	4.25	0.053	0.025	0.050	100.000
0.00	1.000	0.150	0.299	3.062	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.201	0.401	3.462	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.110	0.219	3.682	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.100	0.199	3.881	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.140	0.279	4.161	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.110	0.219	4.380	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.140	0.279	4.659	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.580	2.581	4.809	90.981	0.050	0.000
Unified Classification	0.000	1.580	2.800	95.411	0.209	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.36	0.74	-3.25	16.74
Folk Graphic Measures (PHI)	2.44	2.46	0.41	-0.02	1.28
Grain Size (mm)	0.18	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218214	850715		870715	LLS

X Position : 3300.00 Y Position : 1731.34

Elevation of Top of Core : -18.12
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.700 Final Weight : 53.480 Deviation : 0.410 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.048	0.090	0.539
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.219	0.409	0.948
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.390	2.599	3.547
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	9.648	18.040	21.588
-1.75	3.364	0.059	0.110	0.110	2.75	0.149	25.291	47.291	68.878
-1.50	2.828	0.000	0.000	0.110	3.00	0.125	11.600	21.690	90.568
-1.25	2.378	0.032	0.060	0.170	3.25	0.105	3.262	6.099	96.668
-1.00	2.000	0.112	0.209	0.380	3.50	0.088	0.802	1.500	98.168
-0.75	1.682	0.037	0.069	0.449	3.75	0.074	0.701	1.311	99.478
-0.50	1.414	0.000	0.000	0.449	4.00	0.063	0.209	0.391	99.869
-0.25	1.189	0.000	0.000	0.449	4.25	0.053	0.070	0.131	100.000
0.00	1.000	0.000	0.000	0.449	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.449	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.449	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.449	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.449	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.449	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.449	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.380	0.069	0.499	98.921	0.131	0.000
Unified Classification	0.000	0.380	0.069	99.030	0.522	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.66	0.39	-4.55	54.28
Folk Graphic Measures (PHI)	2.65	2.67	0.26	0.13	1.23
Grain Size (mm)	0.16	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218215	850715		870715	LLS

X Position : 3300.00 Y Position : 1975.56

Elevation of Top of Core : -20.54
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.070 Final Weight : 59.772 Deviation : 0.496 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.030	0.050	0.301
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.078	0.130	0.432
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.418	0.699	1.131
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.702	4.521	5.651
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	34.762	58.158	63.809
-1.50	2.828	0.030	0.050	0.050	3.00	0.125	14.853	24.849	88.659
-1.25	2.378	0.030	0.050	0.100	3.25	0.105	4.698	7.860	96.518
-1.00	2.000	0.060	0.100	0.201	3.50	0.088	0.891	1.491	98.009
-0.75	1.682	0.030	0.050	0.251	3.75	0.074	0.831	1.390	99.399
-0.50	1.414	0.000	0.000	0.251	4.00	0.063	0.269	0.450	99.849
-0.25	1.189	0.000	0.000	0.251	4.25	0.053	0.090	0.151	100.000
0.00	1.000	0.000	0.000	0.251	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.251	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.251	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.251	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.251	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.251	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.251	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.201	0.050	0.181	99.418	0.151	0.000
Unified Classification	0.000	0.201	0.050	99.148	0.601	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.73	0.32	-4.27	67.09
Folk Graphic Measures (PHI)	2.69	2.73	0.21	0.34	1.08
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218216	850715		870715	SJT

X Position : 3300.00 Y Position : 2470.64

Elevation of Top of Core : -23.81
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 55.940 Final Weight : 55.631 Deviation : 0.552 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.050
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.028	0.050	0.101
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.150	0.270	0.370
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.001	1.799	2.170
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.838	14.089	16.259
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	27.932	50.209	66.468
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	12.823	23.050	89.518
-1.00	2.000	0.028	0.050	0.050	3.50	0.088	2.348	4.221	93.739
-0.75	1.682	0.000	0.000	0.050	3.75	0.074	2.442	4.390	98.129
-0.50	1.414	0.000	0.000	0.050	4.00	0.063	0.729	1.310	99.439
-0.25	1.189	0.000	0.000	0.050	4.25	0.053	0.312	0.561	100.000
0.00	1.000	0.000	0.000	0.050	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.050	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.050	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.050	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.050	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.050	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.050	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.050	0.000	0.050	99.338	0.561	0.000
Unified Classification	0.000	0.050	0.000	98.078	1.871	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.96	0.30	-0.36	22.66
Folk Graphic Measures (PHI)	2.92	2.95	0.27	0.25	1.40
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218217	850715		870715	SJT

X Position : 3300.00 Y Position : 2941.00

Elevation of Top of Core : -26.24
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.010 Final Weight : 52.000 Deviation : 0.019 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.060
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.060
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.088	0.169	0.229
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.749	1.440	1.669
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	5.278	10.150	11.819
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	23.239	44.690	56.510
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	15.808	30.400	86.910
-1.00	2.000	0.031	0.060	0.060	3.50	0.088	1.950	3.750	90.660
-0.75	1.682	0.000	0.000	0.060	3.75	0.074	3.260	6.269	96.929
-0.50	1.414	0.000	0.000	0.060	4.00	0.063	1.108	2.131	99.060
-0.25	1.189	0.000	0.000	0.060	4.25	0.053	0.489	0.940	100.000
0.00	1.000	0.000	0.000	0.060	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.060	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.060	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.060	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.060	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.060	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.060	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.060	0.000	0.000	99.000	0.940	0.000
Unified Classification	0.000	0.060	0.000	96.869	3.071	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.01	0.32	-0.35	21.27
Folk Graphic Measures (PHI)	2.96	2.99	0.28	0.23	1.36
Grain Size (mm)	0.13	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218401	850715		870715	SJT

X Position : 3300.00 Y Position : 167.60

Elevation of Top of Core : 19.50
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : ABUNDANT ORGANIC DEBRIS

Start Weight : 60.770 Final Weight : 60.390 Deviation : 0.625 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.032	13.300	71.870
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.189	13.560	85.430
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.753	7.871	93.300
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.742	4.540	97.841
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.900	1.490	99.331
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.332	0.550	99.881
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.072	0.119	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.060	0.099	0.099	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.169	0.280	0.379	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.749	1.240	1.619	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.190	1.971	3.590	4.50	0.044	0.000	0.000	100.000
0.25	0.841	3.279	5.430	9.020	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.032	5.021	14.040	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.257	7.049	21.090	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.267	13.689	34.779	5.50	0.022	0.000	0.000	100.000
1.25	0.420	7.760	12.850	47.629	5.75	0.019	0.000	0.000	100.000
1.50	0.354	6.607	10.941	58.569	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	34.779	50.651	14.570	0.000	0.000
Unified Classification	0.000	0.000	47.629	52.371	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.28	0.69	-0.25	2.62
Folk Graphic Measures (PHI)	1.30	1.28	0.70	-0.07	0.95
Grain Size (mm)	0.40	0.41			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218402	850808		870715	LLS

X Position : 3300.00 Y Position : 194.84

Elevation of Top of Core : 19.41
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.010 Final Weight : 61.581 Deviation : 0.692 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.831	14.340	74.630
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.147	13.230	87.860
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.348	7.061	94.921
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.260	3.670	98.590
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.659	1.070	99.661
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.209	0.339	100.000
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	0.031	0.050	0.050	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.068	0.110	0.161	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.302	0.490	0.651	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.788	1.280	1.931	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.170	1.900	3.831	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.359	3.831	7.661	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.192	3.560	11.221	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.430	5.570	16.791	5.25	0.026	0.000	0.000	100.000
1.00	0.500	9.606	15.599	32.390	5.50	0.022	0.000	0.000	100.000
1.25	0.420	9.200	14.940	47.330	5.75	0.019	0.000	0.000	100.000
1.50	0.354	7.981	12.960	60.290	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.050	32.340	55.470	12.140	0.000	0.000
Unified Classification	0.000	0.050	47.279	52.670	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.28	0.65	-0.41	3.11
Folk Graphic Measures (PHI)	1.30	1.31	0.63	-0.05	1.02
Grain Size (mm)	0.41	0.41			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218403	850808		870715	LLS

X Position : 3300.00 Y Position : 225.66

Elevation of Top of Core : 14.08
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.720 Final Weight : 58.290 Deviation : 0.732 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.231	14.121	66.629
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.338	16.020	82.649
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.742	9.851	92.500
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.072	5.270	97.770
-1.75	3.364	0.029	0.050	0.050	2.75	0.149	0.909	1.559	99.329
-1.50	2.828	0.111	0.190	0.240	3.00	0.125	0.321	0.551	99.880
-1.25	2.378	0.122	0.209	0.449	3.25	0.105	0.070	0.120	100.000
-1.00	2.000	0.029	0.050	0.499	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.251	0.431	0.930	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.501	0.859	1.789	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.752	1.290	3.079	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.839	1.439	4.519	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.591	2.729	7.248	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.679	2.880	10.129	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.903	4.980	15.109	5.25	0.026	0.000	0.000	100.000
1.00	0.500	7.962	13.659	28.768	5.50	0.022	0.000	0.000	100.000
1.25	0.420	7.187	12.330	41.098	5.75	0.019	0.000	0.000	100.000
1.50	0.354	6.651	11.410	52.508	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.499	28.269	53.881	17.351	0.000	0.000
Unified Classification	0.000	0.499	40.599	58.902	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.36	0.71	-0.79	4.14
Folk Graphic Measures (PHI)	1.45	1.42	0.67	-0.14	1.00
Grain Size (mm)	0.37	0.39			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218404	850808		870715	LLS

X Position : 3300.00 Y Position : 263.80

Elevation of Top of Core : 8.95
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 58.840 Final Weight : 58.370 Deviation : 0.799 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.619	11.340	37.579
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	13.338	22.851	60.430
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	12.141	20.800	81.230
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.530	12.900	94.131
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.428	4.160	98.290
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.858	1.470	99.760
-1.25	2.378	0.111	0.190	0.190	3.25	0.105	0.140	0.240	100.000
-1.00	2.000	0.239	0.409	0.600	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.210	0.360	0.959	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.630	1.079	2.039	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.957	1.640	3.678	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.730	1.251	4.929	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.150	1.970	6.899	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.969	1.660	8.559	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.261	2.160	10.720	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.539	4.350	15.069	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.872	4.920	19.990	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.648	6.250	26.240	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.600	14.470	45.361	39.570	0.000	0.000
Unified Classification	0.000	0.600	19.390	80.010	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.70	0.75	-1.46	5.22
Folk Graphic Measures (PHI)	1.89	1.75	0.70	-0.41	1.44
Grain Size (mm)	0.27	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218405	850807		870715	LLS

X Position : 3300.00 Y Position : 292.50

Elevation of Top of Core : 8.69
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 61.760 Final Weight : 61.240 Deviation : 0.842 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.330	11.969	62.350
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.529	15.560	77.910
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.453	12.170	90.080
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	4.440	7.250	97.330
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.219	1.991	99.321
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.367	0.599	99.920
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.049	0.080	100.000
-1.00	2.000	0.098	0.160	0.160	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.331	0.540	0.701	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.539	0.880	1.581	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.692	1.130	2.711	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.010	1.649	4.360	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.701	4.411	8.770	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.799	4.571	13.341	5.00	0.031	0.000	0.000	100.000
0.75	0.595	4.042	6.600	19.941	5.25	0.026	0.000	0.000	100.000
1.00	0.500	7.533	12.301	32.242	5.50	0.022	0.000	0.000	100.000
1.25	0.420	5.701	9.309	41.551	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.407	8.829	50.380	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.160	32.082	45.668	22.090	0.000	0.000
Unified Classification	0.000	0.160	41.391	58.449	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.37	0.75	-0.54	2.85
Folk Graphic Measures (PHI)	1.49	1.41	0.74	-0.19	0.89
Grain Size (mm)	0.36	0.39			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218406	850807		870716	LLS

X Position : 3300.00 Y Position : 327.93

Elevation of Top of Core : 6.37
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.000 Final Weight : 49.719 Deviation : 0.562 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.702	13.480	41.081
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	11.217	22.561	63.642
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.228	18.560	82.202
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.349	12.770	94.972
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.720	3.459	98.431
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.681	1.370	99.801
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.099	0.199	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.050	0.101	0.101	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.070	0.141	0.241	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.159	0.320	0.561	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.298	0.599	1.161	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.781	1.571	2.731	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.830	1.669	4.401	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.258	2.530	6.931	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.411	6.861	13.792	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.978	5.990	19.781	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.888	7.820	27.601	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	13.792	49.850	36.358	0.000	0.000
Unified Classification	0.000	0.000	19.781	80.219	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.73	0.61	-0.92	3.98
Folk Graphic Measures (PHI)	1.85	1.74	0.59	-0.30	1.08
Grain Size (mm)	0.28	0.30			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218407	850807		870716	LLS

X Position : 3300.00 Y Position : 474.90

Elevation of Top of Core : -4.67
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 50.990 Final Weight : 50.729 Deviation : 0.512 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.122	0.240	0.300
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.619	1.220	1.520
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.389	4.709	6.229
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	11.130	21.940	28.169
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	14.580	28.741	56.910
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	14.402	28.390	85.300
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	6.148	12.119	97.420
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.867	1.709	99.129
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.391	0.771	99.899
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.051	0.101	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.030	0.059	0.059	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	1.520	98.480	0.000	0.000
Unified Classification	0.000	0.000	0.000	99.899	0.101	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.69	0.31	-0.01	3.44
Folk Graphic Measures (PHI)	2.69	2.68	0.31	-0.02	0.93
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218408	850807		870727	LLS

X Position : 3300.00 Y Position : 590.63

Elevation of Top of Core : -5.94
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.840 Final Weight : 54.870 Deviation : 0.055 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.067	12.880	64.520
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.314	13.330	77.849
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.988	9.091	86.940
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	3.709	6.760	93.700
-1.75	3.364	0.302	0.550	0.550	2.75	0.149	2.129	3.880	97.580
-1.50	2.828	0.192	0.350	0.900	3.00	0.125	1.032	1.881	99.461
-1.25	2.378	0.362	0.660	1.560	3.25	0.105	0.269	0.490	99.951
-1.00	2.000	0.307	0.560	2.120	3.50	0.088	0.027	0.049	100.000
-0.75	1.682	0.450	0.820	2.940	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.631	1.150	4.090	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.960	1.750	5.839	4.25	0.053	0.000	0.000	100.000
0.00	1.000	1.010	1.841	7.680	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.997	3.640	11.319	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.502	4.560	15.879	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.089	5.630	21.509	5.25	0.026	0.000	0.000	100.000
1.00	0.500	5.652	10.301	31.810	5.50	0.022	0.000	0.000	100.000
1.25	0.420	5.059	9.220	41.030	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.822	10.611	51.640	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	2.120	29.690	46.040	22.151	0.000	0.000
Unified Classification	0.000	2.120	38.910	58.970	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.33	0.89	-0.83	3.95
Folk Graphic Measures (PHI)	1.46	1.38	0.86	-0.19	1.09
Grain Size (mm)	0.36	0.40			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218409	850807		870727	LLS

X Position : 3300.00 Y Position : 732.43

Elevation of Top of Core : -6.23
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.990 Final Weight : 53.969 Deviation : 0.039 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.850	5.281	19.178
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.607	10.389	29.567
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.321	17.271	46.838
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	13.579	25.161	71.999
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	8.398	15.561	87.560
-1.50	2.828	0.081	0.150	0.150	3.00	0.125	4.992	9.250	96.809
-1.25	2.378	0.038	0.070	0.220	3.25	0.105	1.409	2.611	99.420
-1.00	2.000	0.092	0.170	0.391	3.50	0.088	0.210	0.389	99.809
-0.75	1.682	0.140	0.259	0.650	3.75	0.074	0.103	0.191	100.000
-0.50	1.414	0.329	0.610	1.260	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.302	0.560	1.820	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.340	0.630	2.450	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.631	1.169	3.619	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.577	1.069	4.688	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.739	1.369	6.057	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.279	2.370	8.427	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.112	2.060	10.488	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.840	3.409	13.897	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.391	8.036	21.140	70.433	0.000	0.000
Unified Classification	0.000	0.391	10.097	89.512	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.11	0.73	-1.76	7.12
Folk Graphic Measures (PHI)	2.28	2.19	0.64	-0.34	1.49
Grain Size (mm)	0.21	0.23			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218410	850807		870727	LLS

X Position : 3300.00 Y Position : 847.91

Elevation of Top of Core : -10.63
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.670 Final Weight : 56.669 Deviation : 0.002 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.272	0.480	1.428
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.873	1.541	2.968
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.941	5.190	8.158
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	11.833	20.881	29.039
-1.75	3.364	0.130	0.229	0.229	2.75	0.149	17.981	31.730	60.769
-1.50	2.828	0.000	0.000	0.229	3.00	0.125	12.711	22.430	83.199
-1.25	2.378	0.000	0.000	0.229	3.25	0.105	7.220	12.741	95.940
-1.00	2.000	0.028	0.049	0.279	3.50	0.088	1.292	2.280	98.219
-0.75	1.682	0.051	0.090	0.369	3.75	0.074	0.850	1.500	99.719
-0.50	1.414	0.028	0.049	0.418	4.00	0.063	0.108	0.191	99.910
-0.25	1.189	0.000	0.000	0.418	4.25	0.053	0.051	0.090	100.000
0.00	1.000	0.028	0.049	0.468	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.028	0.049	0.517	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.517	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.040	0.071	0.588	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.051	0.090	0.678	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.051	0.090	0.768	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.102	0.180	0.948	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.279	0.399	2.290	96.942	0.090	0.000
Unified Classification	0.000	0.279	0.489	98.952	0.281	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.66	0.45	-3.45	33.73
Folk Graphic Measures (PHI)	2.67	2.67	0.34	0.02	1.02
Grain Size (mm)	0.16	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218411	850807		870716	LLS

X Position : 3300.00 Y Position : 992.59

Elevation of Top of Core : -12.62
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.390 Final Weight : 57.092 Deviation : 0.519 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.108	0.189	0.673
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.502	0.879	1.552
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	1.901	3.330	4.882
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.872	15.540	20.421
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	12.703	22.250	42.671
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	15.717	27.529	70.201
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	11.829	20.719	90.920
-1.00	2.000	0.029	0.051	0.051	3.50	0.088	2.598	4.551	95.470
-0.75	1.682	0.040	0.070	0.121	3.75	0.074	1.650	2.890	98.361
-0.50	1.414	0.000	0.000	0.121	4.00	0.063	0.468	0.820	99.180
-0.25	1.189	0.000	0.000	0.121	4.25	0.053	0.468	0.820	100.000
0.00	1.000	0.029	0.051	0.172	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.029	0.051	0.222	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.040	0.070	0.293	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.293	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.040	0.070	0.363	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.029	0.051	0.413	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.040	0.070	0.483	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.051	0.312	1.189	97.628	0.820	0.000
Unified Classification	0.000	0.051	0.363	97.947	1.639	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.81	0.42	-1.12	13.85
Folk Graphic Measures (PHI)	2.82	2.80	0.37	0.01	0.99
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218412	850807		870727	MCP

X Position : 3300.00 Y Position : 1230.15

Elevation of Top of Core : -13.30
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.950 Final Weight : 56.838 Deviation : 0.197 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.398	0.700	2.189
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.449	2.549	4.738
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.792	10.190	14.928
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	15.182	26.711	41.639
-1.75	3.364	0.028	0.049	0.049	2.75	0.149	16.722	29.420	71.060
-1.50	2.828	0.000	0.000	0.049	3.00	0.125	8.031	14.130	85.189
-1.25	2.378	0.000	0.000	0.049	3.25	0.105	4.792	8.431	93.620
-1.00	2.000	0.051	0.090	0.139	3.50	0.088	1.728	3.040	96.661
-0.75	1.682	0.068	0.120	0.259	3.75	0.074	1.557	2.739	99.400
-0.50	1.414	0.028	0.049	0.308	4.00	0.063	0.250	0.440	99.840
-0.25	1.189	0.040	0.070	0.378	4.25	0.053	0.091	0.160	100.000
0.00	1.000	0.051	0.090	0.468	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.063	0.111	0.579	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.068	0.120	0.698	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.080	0.141	0.839	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.108	0.190	1.029	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.102	0.179	1.209	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.159	0.280	1.488	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.139	0.890	3.709	95.102	0.160	0.000
Unified Classification	0.000	0.139	1.070	98.191	0.600	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.58	0.48	-1.76	16.30
Folk Graphic Measures (PHI)	2.57	2.60	0.39	0.15	1.17
Grain Size (mm)	0.17	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218413	850807		870727	MCP

X Position : 3300.00 Y Position : 1475.28

Elevation of Top of Core : -15.33
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.090 Final Weight : 57.068 Deviation : 0.039 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.348	0.610	2.756
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.381	2.420	5.176
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	8.178	14.330	19.507
-2.00	4.000	0.029	0.051	0.051	2.50	0.177	18.245	31.971	51.477
-1.75	3.364	0.040	0.070	0.121	2.75	0.149	9.930	17.400	68.877
-1.50	2.828	0.051	0.089	0.210	3.00	0.125	8.909	15.611	84.489
-1.25	2.378	0.000	0.000	0.210	3.25	0.105	5.319	9.320	93.809
-1.00	2.000	0.040	0.070	0.280	3.50	0.088	1.661	2.911	96.720
-0.75	1.682	0.108	0.189	0.470	3.75	0.074	1.478	2.590	99.310
-0.50	1.414	0.051	0.089	0.559	4.00	0.063	0.263	0.461	99.770
-0.25	1.189	0.080	0.140	0.699	4.25	0.053	0.131	0.230	100.000
0.00	1.000	0.068	0.119	0.818	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.148	0.259	1.078	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.120	0.210	1.288	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.131	0.230	1.517	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.120	0.210	1.728	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.108	0.189	1.917	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.131	0.230	2.147	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.280	1.447	3.449	94.594	0.230	0.000
Unified Classification	0.000	0.280	1.637	97.393	0.690	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.54	0.56	-2.25	17.55
Folk Graphic Measures (PHI)	2.49	2.56	0.41	0.26	1.01
Grain Size (mm)	0.18	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218414	850807		870727	MCP

X Position : 3300.00 Y Position : 992.59

Elevation of Top of Core : -12.62
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 46.420 Final Weight : 46.390 Deviation : 0.065 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.060
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.060	0.129	0.190
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.269	0.580	0.770
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.531	3.300	4.070
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	8.489	18.299	22.369
-1.50	2.828	0.028	0.060	0.060	3.00	0.125	14.260	30.739	53.108
-1.25	2.378	0.000	0.000	0.060	3.25	0.105	14.525	31.311	84.419
-1.00	2.000	0.000	0.000	0.060	3.50	0.088	3.382	7.290	91.709
-0.75	1.682	0.000	0.000	0.060	3.75	0.074	3.090	6.661	98.370
-0.50	1.414	0.000	0.000	0.060	4.00	0.063	0.478	1.030	99.401
-0.25	1.189	0.000	0.000	0.060	4.25	0.053	0.278	0.599	100.000
0.00	1.000	0.000	0.000	0.060	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.060	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.060	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.060	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.060	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.060	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.060	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.060	0.000	0.129	99.211	0.599	0.000
Unified Classification	0.000	0.060	0.000	98.310	1.630	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.99	0.34	-1.05	22.31
Folk Graphic Measures (PHI)	2.97	2.96	0.31	0.05	1.13
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218415	850807		870716	LLS

X Position : 3300.00 Y Position : 1959.52

Elevation of Top of Core : -20.36
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 48.920 Final Weight : 48.670 Deviation : 0.511 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	1.001
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.112	0.230	1.231
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.628	1.290	2.521
-2.00	4.000	0.039	0.080	0.080	2.50	0.177	4.098	8.420	10.941
-1.75	3.364	0.248	0.510	0.590	2.75	0.149	9.189	18.880	29.821
-1.50	2.828	0.112	0.230	0.820	3.00	0.125	13.141	27.000	56.821
-1.25	2.378	0.049	0.101	0.920	3.25	0.105	13.482	27.701	84.522
-1.00	2.000	0.039	0.080	1.001	3.50	0.088	4.010	8.239	92.761
-0.75	1.682	0.000	0.000	1.001	3.75	0.074	2.521	5.180	97.941
-0.50	1.414	0.000	0.000	1.001	4.00	0.063	0.681	1.399	99.340
-0.25	1.189	0.000	0.000	1.001	4.25	0.053	0.321	0.660	100.000
0.00	1.000	0.000	0.000	1.001	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	1.001	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	1.001	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	1.001	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	1.001	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	1.001	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	1.001	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.001	0.000	0.230	98.110	0.660	0.000
Unified Classification	0.000	1.001	0.000	96.941	2.059	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.90	0.59	-4.76	39.56
Folk Graphic Measures (PHI)	2.94	2.92	0.36	-0.02	1.10
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218416	850807		870727	MCP

X Position : 3300.00 Y Position : 2444.65

Elevation of Top of Core : -23.71
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.310 Final Weight : 51.249 Deviation : 0.119 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.060
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.031	0.060	0.121
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.128	0.250	0.371
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.738	1.440	1.811
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	4.561	8.900	10.710
-1.50	2.828	0.031	0.060	0.060	3.00	0.125	14.862	29.000	39.710
-1.25	2.378	0.000	0.000	0.060	3.25	0.105	19.424	37.901	77.611
-1.00	2.000	0.000	0.000	0.060	3.50	0.088	5.709	11.140	88.751
-0.75	1.682	0.000	0.000	0.060	3.75	0.074	4.679	9.130	97.881
-0.50	1.414	0.000	0.000	0.060	4.00	0.063	0.717	1.399	99.280
-0.25	1.189	0.000	0.000	0.060	4.25	0.053	0.369	0.720	100.000
0.00	1.000	0.000	0.000	0.060	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.060	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.060	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.060	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.060	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.060	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.060	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.060	0.000	0.060	99.159	0.720	0.000
Unified Classification	0.000	0.060	0.000	97.820	2.119	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.08	0.33	-1.40	28.08
Folk Graphic Measures (PHI)	3.07	3.09	0.31	0.10	1.23
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218417	850807		870716	LLS

X Position : 3300.00 Y Position : 2957.20

Elevation of Top of Core : -26.53
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 34.110 Final Weight : 33.859 Deviation : 0.736 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.091	0.269	0.269
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.630	1.861	2.129
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.319	6.849	8.978
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	10.219	30.181	39.159
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	12.887	38.061	77.220
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	4.100	12.109	89.329
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.651	7.830	97.159
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.691	2.041	99.200
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.271	0.800	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	99.200	0.800	0.000
Unified Classification	0.000	0.000	0.000	97.159	2.841	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.09	0.31	0.48	3.92
Folk Graphic Measures (PHI)	3.07	3.09	0.31	0.11	1.25
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218601	850821		870715	LLS

X Position : 3300.00 Y Position : 0.00

Elevation of Top of Core : 20.11
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.160 Final Weight : 55.779 Deviation : 0.678 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.679	15.560	73.171
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	7.921	14.201	87.372
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.038	7.239	94.611
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.097	3.759	98.370
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.619	1.110	99.480
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.251	0.450	99.930
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.039	0.070	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.061	0.109	0.109	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.519	0.930	1.040	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.692	1.241	2.280	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.857	3.329	5.610	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.097	3.759	9.369	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.230	5.791	15.160	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.529	15.291	30.451	5.50	0.022	0.000	0.000	100.000
1.25	0.420	8.228	14.751	45.202	5.75	0.019	0.000	0.000	100.000
1.50	0.354	6.922	12.410	57.611	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	30.451	56.921	12.628	0.000	0.000
Unified Classification	0.000	0.000	45.202	54.798	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.33	0.62	-0.27	2.91
Folk Graphic Measures (PHI)	1.35	1.35	0.61	-0.05	0.97
Grain Size (mm)	0.39	0.40			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218602	850821		870716	LLS

X Position : 3300.00 Y Position : 196.85

Elevation of Top of Core : 17.89
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 59.950 Final Weight : 59.870 Deviation : 0.133 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	9.657	16.130	67.850
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.004	16.710	84.560
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.502	9.190	93.750
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.760	4.610	98.360
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.712	1.189	99.549
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.228	0.381	99.930
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.042	0.070	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.048	0.080	0.080	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.078	0.130	0.210	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.431	0.720	0.930	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.838	1.400	2.330	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.257	3.770	6.100	5.25	0.026	0.000	0.000	100.000
1.00	0.500	8.992	15.019	21.119	5.50	0.022	0.000	0.000	100.000
1.25	0.420	9.400	15.701	36.820	5.75	0.019	0.000	0.000	100.000
1.50	0.354	8.921	14.901	51.720	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	21.119	63.441	15.440	0.000	0.000
Unified Classification	0.000	0.000	36.820	63.180	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.47	0.52	-0.01	2.69
Folk Graphic Measures (PHI)	1.47	1.46	0.52	-0.00	0.85
Grain Size (mm)	0.36	0.36			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218603	850821		870716	LLS

X Position : 3300.00 Y Position : 229.93

Elevation of Top of Core : 12.49
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 53.590 Final Weight : 53.331 Deviation : 0.483 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	3.450	6.469	82.400
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.298	8.059	90.460
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.029	5.680	96.139
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.579	2.961	99.100
-1.75	3.364	0.171	0.321	0.321	2.75	0.149	0.379	0.711	99.811
-1.50	2.828	0.128	0.240	0.561	3.00	0.125	0.101	0.189	100.000
-1.25	2.378	0.251	0.471	1.031	3.25	0.105	0.000	0.000	100.000
-1.00	2.000	0.459	0.861	1.892	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	1.040	1.950	3.842	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	3.072	5.760	9.602	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	6.208	11.641	21.243	4.25	0.053	0.000	0.000	100.000
0.00	1.000	5.690	10.669	31.912	4.50	0.044	0.000	0.000	100.000
0.25	0.841	7.600	14.251	46.163	4.75	0.037	0.000	0.000	100.000
0.50	0.707	3.461	6.490	52.652	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.928	5.490	58.143	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.021	7.540	65.682	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.938	5.509	71.191	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.528	4.740	75.931	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.892	63.790	24.777	9.540	0.000	0.000
Unified Classification	0.000	1.892	69.299	28.809	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.60	0.96	0.24	2.09
Folk Graphic Measures (PHI)	0.40	0.61	0.98	0.27	0.74
Grain Size (mm)	0.76	0.66			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218604	850821		870716	LLS

X Position : 3300.00 Y Position : 260.88

Elevation of Top of Core : 8.84
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.430 Final Weight : 62.289 Deviation : 0.226 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	7.437	11.940	38.471
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	15.055	24.170	62.640
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	12.340	19.811	82.451
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.512	12.060	94.511
-1.75	3.364	0.050	0.080	0.080	2.75	0.149	2.379	3.819	98.330
-1.50	2.828	0.137	0.220	0.300	3.00	0.125	0.847	1.360	99.690
-1.25	2.378	0.243	0.390	0.690	3.25	0.105	0.162	0.260	99.950
-1.00	2.000	0.361	0.580	1.270	3.50	0.088	0.031	0.050	100.000
-0.75	1.682	0.517	0.830	2.100	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.772	1.239	3.339	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.660	1.060	4.399	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.542	0.870	5.269	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.978	1.570	6.839	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.710	1.140	7.979	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.240	1.991	9.970	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.791	4.481	14.450	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.233	5.190	19.641	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.292	6.890	26.531	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.270	13.180	48.190	37.360	0.000	0.000
Unified Classification	0.000	1.270	18.371	80.359	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.68	0.78	-1.69	6.37
Folk Graphic Measures (PHI)	1.87	1.74	0.70	-0.40	1.50
Grain Size (mm)	0.27	0.31			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218605	850821		870716	LLS

X Position : 3300.00 Y Position : 296.78

Elevation of Top of Core : 8.65
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 64.420 Final Weight : 64.372 Deviation : 0.075 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.021	12.460	55.821
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.846	16.849	72.670
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.211	14.309	86.979
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.871	9.120	96.099
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.732	2.691	98.790
-1.50	2.828	0.251	0.390	0.390	3.00	0.125	0.573	0.890	99.680
-1.25	2.378	0.200	0.311	0.701	3.25	0.105	0.167	0.259	99.939
-1.00	2.000	0.232	0.360	1.061	3.50	0.088	0.039	0.061	100.000
-0.75	1.682	0.412	0.640	1.701	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.451	0.701	2.402	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.953	1.480	3.882	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.850	1.320	5.203	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.433	3.780	8.982	4.75	0.037	0.000	0.000	100.000
0.50	0.707	2.549	3.960	12.942	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.199	4.970	17.912	5.25	0.026	0.000	0.000	100.000
1.00	0.500	6.109	9.490	27.402	5.50	0.022	0.000	0.000	100.000
1.25	0.420	5.072	7.879	35.281	5.75	0.019	0.000	0.000	100.000
1.50	0.354	5.201	8.080	43.360	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.061	26.341	45.268	27.330	0.000	0.000
Unified Classification	0.000	1.061	34.220	64.719	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.45	0.81	-0.92	3.86
Folk Graphic Measures (PHI)	1.63	1.50	0.77	-0.30	0.93
Grain Size (mm)	0.32	0.37			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218606	850821		870727	MCP

X Position : 3300.00 Y Position : 333.11

Elevation of Top of Core : 4.55
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.740 Final Weight : 57.657 Deviation : 0.144 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.198	10.750	54.810
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	9.698	16.820	71.631
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	8.349	14.480	86.111
-2.00	4.000	0.219	0.380	0.380	2.50	0.177	5.518	9.570	95.681
-1.75	3.364	0.092	0.160	0.539	2.75	0.149	1.989	3.450	99.131
-1.50	2.828	0.069	0.120	0.659	3.00	0.125	0.432	0.749	99.880
-1.25	2.378	0.398	0.690	1.349	3.25	0.105	0.069	0.120	100.000
-1.00	2.000	0.721	1.250	2.600	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.992	1.721	4.320	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	2.041	3.540	7.860	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	2.260	3.920	11.780	4.25	0.053	0.000	0.000	100.000
0.00	1.000	2.139	3.710	15.490	4.50	0.044	0.000	0.000	100.000
0.25	0.841	2.618	4.541	20.031	4.75	0.037	0.000	0.000	100.000
0.50	0.707	1.978	3.431	23.461	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.058	3.569	27.031	5.25	0.026	0.000	0.000	100.000
1.00	0.500	3.281	5.691	32.721	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.629	4.560	37.281	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.909	6.780	44.061	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	2.600	30.121	38.909	28.369	0.000	0.000
Unified Classification	0.000	2.600	34.681	62.719	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.28	1.03	-0.88	2.90
Folk Graphic Measures (PHI)	1.64	1.29	1.03	-0.47	0.90
Grain Size (mm)	0.32	0.41			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218607	850821		870727	MCP

X Position : 3300.00 Y Position : 449.03

Elevation of Top of Core : -5.16
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.670 Final Weight : 57.591 Deviation : 0.137 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	5.431	9.430	37.631
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	12.111	21.029	58.660
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	11.478	19.930	78.590
-2.00	4.000	0.271	0.471	0.471	2.50	0.177	7.729	13.420	92.011
-1.75	3.364	0.559	0.971	1.441	2.75	0.149	3.501	6.079	98.090
-1.50	2.828	0.530	0.920	2.361	3.00	0.125	0.950	1.650	99.740
-1.25	2.378	0.841	1.460	3.822	3.25	0.105	0.150	0.260	100.000
-1.00	2.000	0.921	1.599	5.421	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	1.071	1.860	7.281	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.382	2.400	9.680	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	1.158	2.011	11.691	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.841	1.460	13.151	4.50	0.044	0.000	0.000	100.000
0.25	0.841	1.152	2.000	15.152	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.737	1.280	16.431	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.881	1.530	17.961	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.618	2.809	20.771	5.50	0.022	0.000	0.000	100.000
1.25	0.420	1.388	2.410	23.181	5.75	0.019	0.000	0.000	100.000
1.50	0.354	2.891	5.020	28.201	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	5.421	15.350	37.890	41.340	0.000	0.000
Unified Classification	0.000	5.421	17.760	76.819	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.52	1.11	-1.53	4.48
Folk Graphic Measures (PHI)	1.90	1.55	1.04	-0.57	1.75
Grain Size (mm)	0.27	0.35			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218608	850821		870727	SJT

X Position : 3300.00 Y Position : 583.20

Elevation of Top of Core : -6.79
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 60.060 Final Weight : 60.027 Deviation : 0.055 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	2.131	3.550	8.470
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	4.328	7.210	15.680
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	8.398	13.990	29.670
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	14.917	24.850	54.520
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	14.671	24.441	78.961
-1.50	2.828	0.030	0.050	0.050	3.00	0.125	8.848	14.740	93.701
-1.25	2.378	0.000	0.000	0.050	3.25	0.105	2.869	4.780	98.481
-1.00	2.000	0.000	0.000	0.050	3.50	0.088	0.570	0.950	99.430
-0.75	1.682	0.042	0.070	0.120	3.75	0.074	0.312	0.520	99.950
-0.50	1.414	0.048	0.080	0.200	4.00	0.063	0.030	0.050	100.000
-0.25	1.189	0.090	0.150	0.350	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.072	0.120	0.470	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.162	0.270	0.740	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.162	0.270	1.010	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.210	0.350	1.359	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.438	0.730	2.089	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.588	0.980	3.069	5.75	0.019	0.000	0.000	100.000
1.50	0.354	1.111	1.851	4.919	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.050	2.039	13.591	84.320	0.000	0.000
Unified Classification	0.000	0.050	3.019	96.881	0.050	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.39	0.52	-1.68	9.66
Folk Graphic Measures (PHI)	2.45	2.43	0.44	-0.15	1.18
Grain Size (mm)	0.18	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218609	850821		870727	SJT

X Position : 3300.00 Y Position : 703.41

Elevation of Top of Core : -7.04
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.810 Final Weight : 57.690 Deviation : 0.208 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.211	2.099	3.659
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.467	6.010	9.669
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	10.482	18.170	27.838
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	17.913	31.050	58.889
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	10.898	18.891	77.780
-1.50	2.828	0.029	0.050	0.050	3.00	0.125	9.023	15.640	93.420
-1.25	2.378	0.000	0.000	0.050	3.25	0.105	3.058	5.301	98.721
-1.00	2.000	0.000	0.000	0.050	3.50	0.088	0.490	0.849	99.570
-0.75	1.682	0.000	0.000	0.050	3.75	0.074	0.248	0.430	100.000
-0.50	1.414	0.000	0.000	0.050	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.000	0.000	0.050	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.050	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.029	0.050	0.101	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.101	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.058	0.101	0.201	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.138	0.239	0.440	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.208	0.361	0.801	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.438	0.759	1.560	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.050	0.390	9.229	90.331	0.000	0.000
Unified Classification	0.000	0.050	0.751	99.199	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.44	0.40	-0.87	9.45
Folk Graphic Measures (PHI)	2.43	2.45	0.38	0.06	1.04
Grain Size (mm)	0.19	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218610	850821		870716	LLS

X Position : 3300.00 Y Position : 857.50

Elevation of Top of Core : -11.45
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.190 Final Weight : 50.931 Deviation : 0.506 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.341	0.670	1.663
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.233	2.421	4.084
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.799	7.459	11.543
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.120	19.870	31.413
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	11.811	23.190	54.603
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	12.610	24.759	79.362
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	7.950	15.609	94.972
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	1.411	2.770	97.742
-0.75	1.682	0.041	0.081	0.081	3.75	0.074	0.830	1.630	99.372
-0.50	1.414	0.000	0.000	0.081	4.00	0.063	0.188	0.369	99.741
-0.25	1.189	0.000	0.000	0.081	4.25	0.053	0.132	0.259	100.000
0.00	1.000	0.000	0.000	0.081	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.041	0.081	0.161	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.041	0.081	0.242	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.041	0.081	0.322	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.112	0.220	0.542	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.092	0.181	0.723	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.138	0.271	0.994	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.542	3.542	95.657	0.259	0.000
Unified Classification	0.000	0.000	0.723	98.649	0.628	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.68	0.43	-1.00	9.32
Folk Graphic Measures (PHI)	2.70	2.69	0.38	-0.06	0.93
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218611	850821		870727	SJT

X Position : 3300.00 Y Position : 979.00

Elevation of Top of Core : -12.64
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.500 Final Weight : 54.410 Deviation : 0.165 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.229	0.421	1.672
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.762	1.400	3.073
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.399	4.409	7.482
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	7.748	14.240	21.722
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	14.848	27.289	49.011
-1.50	2.828	0.033	0.061	0.061	3.00	0.125	11.257	20.689	69.700
-1.25	2.378	0.000	0.000	0.061	3.25	0.105	10.202	18.750	88.451
-1.00	2.000	0.000	0.000	0.061	3.50	0.088	2.900	5.330	93.781
-0.75	1.682	0.038	0.070	0.130	3.75	0.074	2.720	4.999	98.780
-0.50	1.414	0.049	0.090	0.221	4.00	0.063	0.392	0.720	99.500
-0.25	1.189	0.000	0.000	0.221	4.25	0.053	0.272	0.500	100.000
0.00	1.000	0.049	0.090	0.311	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.082	0.151	0.461	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.049	0.090	0.551	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.092	0.169	0.720	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.109	0.200	0.921	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.082	0.151	1.071	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.098	0.180	1.252	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.061	0.860	2.152	96.427	0.500	0.000
Unified Classification	0.000	0.061	1.011	97.708	1.220	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.78	0.49	-1.65	14.09
Folk Graphic Measures (PHI)	2.76	2.78	0.42	0.09	1.10
Grain Size (mm)	0.15	0.15			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218612	850821		870728	LLS

X Position : 3300.00 Y Position : 1229.31

Elevation of Top of Core : -13.39
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 51.340 Final Weight : 51.261 Deviation : 0.154 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.359	0.700	1.812
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.220	2.380	4.192
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.901	7.610	11.802
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	12.548	24.479	36.281
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	14.881	29.030	65.311
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.120	15.841	81.151
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	5.669	11.059	92.210
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	2.440	4.760	96.970
-0.75	1.682	0.031	0.060	0.060	3.75	0.074	1.189	2.320	99.290
-0.50	1.414	0.000	0.000	0.060	4.00	0.063	0.292	0.570	99.860
-0.25	1.189	0.041	0.080	0.140	4.25	0.053	0.072	0.140	100.000
0.00	1.000	0.031	0.060	0.201	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.041	0.080	0.281	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.062	0.121	0.402	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.051	0.099	0.501	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.103	0.201	0.702	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.082	0.160	0.862	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.128	0.250	1.112	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.702	3.490	95.667	0.140	0.000
Unified Classification	0.000	0.000	0.862	98.428	0.710	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.64	0.45	-0.89	9.65
Folk Graphic Measures (PHI)	2.62	2.66	0.40	0.15	1.08
Grain Size (mm)	0.16	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218613	850821		870728	LLS

X Position : 3300.00 Y Position : 1452.41

Elevation of Top of Core : -15.06
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 54.810 Final Weight : 54.820 Deviation : 0.018 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.411	0.750	2.700
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.239	2.260	4.960
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.290	9.650	14.610
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	16.512	30.120	44.730
-1.75	3.364	0.049	0.089	0.089	2.75	0.149	13.568	24.750	69.480
-1.50	2.828	0.000	0.000	0.089	3.00	0.125	9.511	17.350	86.830
-1.25	2.378	0.000	0.000	0.089	3.25	0.105	5.000	9.121	95.950
-1.00	2.000	0.000	0.000	0.089	3.50	0.088	1.442	2.630	98.581
-0.75	1.682	0.027	0.049	0.139	3.75	0.074	0.592	1.080	99.661
-0.50	1.414	0.038	0.069	0.208	4.00	0.063	0.148	0.270	99.931
-0.25	1.189	0.071	0.130	0.337	4.25	0.053	0.038	0.069	100.000
0.00	1.000	0.060	0.109	0.447	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.132	0.241	0.688	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.143	0.261	0.949	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.110	0.201	1.149	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.181	0.330	1.479	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.099	0.181	1.660	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.159	0.290	1.950	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.089	1.390	3.480	94.971	0.069	0.000
Unified Classification	0.000	0.089	1.571	98.001	0.339	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.56	0.48	-2.18	17.23
Folk Graphic Measures (PHI)	2.55	2.59	0.36	0.13	1.02
Grain Size (mm)	0.17	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218614	850821		870728	LLS

X Position : 3300.00 Y Position : 1729.46

Elevation of Top of Core : -18.22
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 49.700 Final Weight : 49.530 Deviation : 0.342 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.050	0.101	0.101
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.188	0.380	0.481
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.802	1.619	2.100
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	5.438	10.979	13.079
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	14.388	29.049	42.128
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	11.778	23.780	65.908
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	10.570	21.341	87.248
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	3.720	7.511	94.759
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.818	3.671	98.429
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.530	1.070	99.499
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.248	0.501	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	0.000	0.481	99.019	0.501	0.000
Unified Classification	0.000	0.000	0.000	98.429	1.571	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.87	0.36	0.45	3.49
Folk Graphic Measures (PHI)	2.83	2.86	0.35	0.12	0.98
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218615	850821		870728	LLS

X Position : 3300.00 Y Position : 1957.83

Elevation of Top of Core : -20.52
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 52.350 Final Weight : 52.289 Deviation : 0.117 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.080
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.089	0.170	0.251
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.350	0.669	0.920
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.018	3.859	4.779
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	10.270	19.641	24.420
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	16.414	31.391	55.811
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	14.432	27.600	83.411
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	5.422	10.369	93.781
-0.75	1.682	0.042	0.080	0.080	3.75	0.074	2.421	4.630	98.411
-0.50	1.414	0.000	0.000	0.080	4.00	0.063	0.622	1.190	99.600
-0.25	1.189	0.000	0.000	0.080	4.25	0.053	0.209	0.400	100.000
0.00	1.000	0.000	0.000	0.080	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.080	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.080	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.080	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.080	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.080	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.080	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.080	0.170	99.350	0.400	0.000
Unified Classification	0.000	0.000	0.080	98.330	1.589	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.97	0.34	-0.80	15.71
Folk Graphic Measures (PHI)	2.95	2.95	0.32	0.08	1.04
Grain Size (mm)	0.13	0.13			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218616	850821		870728	LLS

X Position : 3300.00 Y Position : 2448.57

Elevation of Top of Core : -23.74
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.450 Final Weight : 57.351 Deviation : 0.172 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.051
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.052	0.091	0.141
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.138	0.241	0.382
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.929	1.620	2.002
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	6.618	11.539	13.541
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	19.373	33.780	47.321
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	18.731	32.660	79.981
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	7.220	12.589	92.570
-0.75	1.682	0.029	0.051	0.051	3.75	0.074	3.131	5.459	98.030
-0.50	1.414	0.000	0.000	0.051	4.00	0.063	0.929	1.620	99.650
-0.25	1.189	0.000	0.000	0.051	4.25	0.053	0.201	0.350	100.000
0.00	1.000	0.000	0.000	0.051	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.051	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.051	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.051	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.051	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.051	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.051	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.051	0.091	99.508	0.350	0.000
Unified Classification	0.000	0.000	0.051	97.979	1.970	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.04	0.31	-0.60	15.64
Folk Graphic Measures (PHI)	3.02	3.04	0.30	0.12	1.14
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218617	850821		870728	LLS

X Position : 3300.00 Y Position : 2949.47

Elevation of Top of Core : -26.48
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 21.090 Final Weight : 21.050 Deviation : 0.190 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.061	0.290	0.290
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.349	1.658	1.948
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.501	7.131	9.078
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	5.591	26.561	35.639
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	7.698	36.570	72.209
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	3.629	17.240	89.449
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.589	7.549	96.998
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.461	2.190	99.188
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.171	0.812	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	99.188	0.812	0.000
Unified Classification	0.000	0.000	0.000	96.998	3.002	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.11	0.31	0.33	3.70
Folk Graphic Measures (PHI)	3.10	3.11	0.31	0.08	1.13
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218802	850906		870716	LLS

X Position : 3300.00 Y Position : 191.00

Elevation of Top of Core : 18.72
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 62.380 Final Weight : 62.139 Deviation : 0.386 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	11.825	19.030	71.461
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	8.718	14.030	85.491
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.400	8.690	94.181
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.672	4.300	98.481
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	0.677	1.089	99.570
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.230	0.370	99.940
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.037	0.060	100.000
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.031	0.050	0.050	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.050	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.217	0.349	0.399	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.721	1.160	1.559	5.00	0.031	0.000	0.000	100.000
0.75	0.595	2.312	3.721	5.280	5.25	0.026	0.000	0.000	100.000
1.00	0.500	9.253	14.891	20.171	5.50	0.022	0.000	0.000	100.000
1.25	0.420	11.707	18.840	39.011	5.75	0.019	0.000	0.000	100.000
1.50	0.354	8.339	13.420	52.431	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	20.171	65.320	14.509	0.000	0.000
Unified Classification	0.000	0.000	39.011	60.989	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.45	0.50	0.15	2.63
Folk Graphic Measures (PHI)	1.45	1.45	0.50	0.04	0.86
Grain Size (mm)	0.36	0.36			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218803	850906		870716	LLS

X Position : 3300.00 Y Position : 299.16

Elevation of Top of Core : 8.49
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 56.870 Final Weight : 56.440 Deviation : 0.756 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	4.628	8.200	75.989
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.921	10.491	86.479
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.352	7.711	94.190
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	2.387	4.229	98.420
-1.75	3.364	0.107	0.190	0.190	2.75	0.149	0.632	1.120	99.539
-1.50	2.828	0.090	0.159	0.349	3.00	0.125	0.198	0.351	99.890
-1.25	2.378	0.107	0.190	0.539	3.25	0.105	0.062	0.110	100.000
-1.00	2.000	0.271	0.480	1.019	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.830	1.471	2.489	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	1.530	2.711	5.200	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	5.012	8.880	14.080	4.25	0.053	0.000	0.000	100.000
0.00	1.000	4.419	7.830	21.910	4.50	0.044	0.000	0.000	100.000
0.25	0.841	7.004	12.410	34.320	4.75	0.037	0.000	0.000	100.000
0.50	0.707	5.441	9.640	43.960	5.00	0.031	0.000	0.000	100.000
0.75	0.595	3.059	5.420	49.380	5.25	0.026	0.000	0.000	100.000
1.00	0.500	4.148	7.349	56.729	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.110	5.510	62.240	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.132	5.549	67.789	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	1.019	55.710	29.750	13.521	0.000	0.000
Unified Classification	0.000	1.019	61.221	37.760	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		0.84	0.95	0.03	1.97
Folk Graphic Measures (PHI)	0.77	0.84	0.96	0.09	0.70
Grain Size (mm)	0.59	0.56			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218804	850906		870716	LLS

X Position : 3300.00 Y Position : 230.06

Elevation of Top of Core : 12.43
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments : CONCENTRATION OF SHELLS IN -1.75 SIEVE

Start Weight : 51.390 Final Weight : 51.224 Deviation : 0.323 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	6.541	12.769	42.263
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	10.326	20.159	62.422
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	9.691	18.919	81.341
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.838	13.349	94.690
-1.75	3.364	0.451	0.880	0.880	2.75	0.149	2.059	4.020	98.710
-1.50	2.828	0.000	0.000	0.880	3.00	0.125	0.569	1.111	99.820
-1.25	2.378	0.210	0.410	1.290	3.25	0.105	0.092	0.180	100.000
-1.00	2.000	0.400	0.781	2.071	3.50	0.088	0.000	0.000	100.000
-0.75	1.682	0.241	0.470	2.542	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.400	0.781	3.323	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.548	1.070	4.392	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.579	1.130	5.523	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.932	1.819	7.342	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.799	1.560	8.902	5.00	0.031	0.000	0.000	100.000
0.75	0.595	1.158	2.261	11.163	5.25	0.026	0.000	0.000	100.000
1.00	0.500	2.751	5.371	16.533	5.50	0.022	0.000	0.000	100.000
1.25	0.420	2.920	5.700	22.234	5.75	0.019	0.000	0.000	100.000
1.50	0.354	3.719	7.260	29.494	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	2.071	14.462	45.889	37.578	0.000	0.000
Unified Classification	0.000	2.071	20.162	77.766	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.64	0.83	-1.73	6.65
Folk Graphic Measures (PHI)	1.85	1.71	0.73	-0.40	1.32
Grain Size (mm)	0.28	0.32			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218805	850906		870716	LLS

X Position : 3300.00 Y Position : 260.06

Elevation of Top of Core : 8.83
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 57.680 Final Weight : 57.451 Deviation : 0.397 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	8.899	15.490	34.772
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	16.620	28.929	63.701
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	11.352	19.759	83.461
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.411	11.159	94.620
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	1.701	2.961	97.581
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	0.919	1.600	99.180
-1.25	2.378	0.029	0.050	0.050	3.25	0.105	0.379	0.660	99.840
-1.00	2.000	0.000	0.000	0.050	3.50	0.088	0.092	0.160	100.000
-0.75	1.682	0.000	0.000	0.050	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.029	0.050	0.101	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.109	0.190	0.291	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.121	0.211	0.501	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.299	0.520	1.022	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.368	0.641	1.662	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.649	1.130	2.792	5.25	0.026	0.000	0.000	100.000
1.00	0.500	1.942	3.380	6.172	5.50	0.022	0.000	0.000	100.000
1.25	0.420	3.039	5.290	11.462	5.75	0.019	0.000	0.000	100.000
1.50	0.354	4.493	7.821	19.283	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.050	6.122	57.529	36.299	0.000	0.000
Unified Classification	0.000	0.050	11.411	88.538	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		1.83	0.50	-0.85	5.65
Folk Graphic Measures (PHI)	1.88	1.85	0.46	-0.16	1.20
Grain Size (mm)	0.27	0.28			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218806	850906		870728	LLS

X Position : 3300.00 Y Position : 335.81

Elevation of Top of Core : 4.91
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 31.230 Final Weight : 30.690 Deviation : 1.729 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.881	6.129	11.186
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	5.969	19.449	30.635
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	7.780	25.350	55.986
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	8.876	28.921	84.907
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	3.321	10.821	95.728
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	1.120	3.649	99.378
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	0.160	0.521	99.899
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	0.031	0.101	100.000
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	0.000	0.000	100.000
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.000	0.000	100.000
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.031	0.101	0.101	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.049	0.160	0.261	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.230	0.749	1.010	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.331	1.079	2.089	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.911	2.968	5.057	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	1.010	29.625	69.365	0.000	0.000
Unified Classification	0.000	0.000	2.089	97.911	0.000	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.16	0.38	-0.61	4.37
Folk Graphic Measures (PHI)	2.19	2.17	0.36	-0.12	1.04
Grain Size (mm)	0.22	0.22			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218807	850906		870728	LLS

X Position : 3300.00 Y Position : 467.80

Elevation of Top of Core : -1.77
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.440 Final Weight : 32.328 Deviation : 0.345 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.908	2.809	5.772
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.768	5.469	11.241
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	3.159	9.772	21.013
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.780	20.973	41.985
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.733	23.920	65.906
-1.50	2.828	0.048	0.148	0.148	3.00	0.125	6.421	19.862	85.768
-1.25	2.378	0.000	0.000	0.148	3.25	0.105	3.120	9.651	95.419
-1.00	2.000	0.000	0.000	0.148	3.50	0.088	0.931	2.880	98.299
-0.75	1.682	0.029	0.090	0.238	3.75	0.074	0.430	1.330	99.629
-0.50	1.414	0.039	0.121	0.359	4.00	0.063	0.091	0.281	99.910
-0.25	1.189	0.000	0.000	0.359	4.25	0.053	0.029	0.090	100.000
0.00	1.000	0.029	0.090	0.449	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.048	0.148	0.597	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.048	0.148	0.745	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.048	0.148	0.894	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.181	0.560	1.454	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.149	0.461	1.915	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.339	1.049	2.963	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.148	1.305	9.787	88.669	0.090	0.000
Unified Classification	0.000	0.148	1.766	97.714	0.371	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.54	0.53	-1.79	12.43
Folk Graphic Measures (PHI)	2.58	2.56	0.45	-0.12	1.13
Grain Size (mm)	0.17	0.17			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218808	850906		870728	SJT

X Position : 3300.00 Y Position : 595.09

Elevation of Top of Core : -4.77
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 43.600 Final Weight : 43.269 Deviation : 0.759 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	1.618	3.739	9.637
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	3.280	7.580	17.218
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	5.400	12.480	29.698
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	10.199	23.571	53.269
-1.75	3.364	0.052	0.120	0.120	2.75	0.149	8.429	19.480	72.750
-1.50	2.828	0.069	0.159	0.280	3.00	0.125	7.178	16.589	89.339
-1.25	2.378	0.238	0.550	0.830	3.25	0.105	3.302	7.631	96.970
-1.00	2.000	0.000	0.000	0.830	3.50	0.088	0.900	2.080	99.050
-0.75	1.682	0.078	0.180	1.010	3.75	0.074	0.350	0.809	99.859
-0.50	1.414	0.069	0.159	1.169	4.00	0.063	0.061	0.141	100.000
-0.25	1.189	0.000	0.000	1.169	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.030	0.069	1.239	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.130	0.300	1.539	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.138	0.319	1.858	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.169	0.391	2.249	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.459	1.061	3.310	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.389	0.899	4.209	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.731	1.689	5.898	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.830	2.480	13.908	82.782	0.000	0.000
Unified Classification	0.000	0.830	3.379	95.650	0.141	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.39	0.66	-2.42	13.82
Folk Graphic Measures (PHI)	2.47	2.45	0.52	-0.13	1.19
Grain Size (mm)	0.18	0.19			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218809	850906		870728	MCP

X Position : 3300.00 Y Position : 731.75

Elevation of Top of Core : -8.89
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 38.700 Final Weight : 38.679 Deviation : 0.054 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.630	1.629	5.528
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.741	4.501	10.029
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.390	11.350	21.379
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	11.020	28.491	49.869
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	9.840	25.440	75.310
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	6.359	16.440	91.750
-1.25	2.378	0.062	0.160	0.160	3.25	0.105	2.321	6.001	97.751
-1.00	2.000	0.070	0.181	0.341	3.50	0.088	0.580	1.500	99.250
-0.75	1.682	0.151	0.390	0.732	3.75	0.074	0.251	0.649	99.899
-0.50	1.414	0.081	0.209	0.941	4.00	0.063	0.039	0.101	100.000
-0.25	1.189	0.108	0.279	1.220	4.25	0.053	0.000	0.000	100.000
0.00	1.000	0.108	0.279	1.500	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.170	0.440	1.939	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.120	0.310	2.249	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.108	0.279	2.529	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.190	0.491	3.020	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.120	0.310	3.330	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.220	0.569	3.899	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.341	2.678	7.009	89.971	0.000	0.000
Unified Classification	0.000	0.341	2.989	96.569	0.101	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.44	0.59	-2.80	15.69
Folk Graphic Measures (PHI)	2.50	2.50	0.41	-0.06	1.29
Grain Size (mm)	0.18	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218810	850906		870728	SJT

X Position : 3300.00 Y Position : 892.24

Elevation of Top of Core : -12.10
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 40.570 Final Weight : 40.418 Deviation : 0.375 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.461	1.141	4.686
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.091	2.699	7.385
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.530	6.260	13.645
-2.00	4.000	0.400	0.990	0.990	2.50	0.177	6.811	16.851	30.496
-1.75	3.364	0.000	0.000	0.990	2.75	0.149	10.081	24.942	55.438
-1.50	2.828	0.000	0.000	0.990	3.00	0.125	8.169	20.211	75.649
-1.25	2.378	0.000	0.000	0.990	3.25	0.105	5.909	14.620	90.269
-1.00	2.000	0.028	0.069	1.059	3.50	0.088	2.401	5.940	96.210
-0.75	1.682	0.028	0.069	1.128	3.75	0.074	1.152	2.850	99.060
-0.50	1.414	0.000	0.000	1.128	4.00	0.063	0.279	0.690	99.750
-0.25	1.189	0.000	0.000	1.128	4.25	0.053	0.101	0.250	100.000
0.00	1.000	0.049	0.121	1.249	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.109	0.270	1.519	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.121	0.299	1.818	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.141	0.349	2.167	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.230	0.569	2.736	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.129	0.319	3.056	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.198	0.490	3.545	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	1.059	1.677	4.649	92.365	0.250	0.000
Unified Classification	0.000	1.059	1.997	96.004	0.940	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.63	0.71	-3.45	22.43
Folk Graphic Measures (PHI)	2.70	2.71	0.47	-0.03	1.19
Grain Size (mm)	0.15	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218811	850906		870728	SJT

X Position : 3300.00 Y Position : 1007.03

Elevation of Top of Core : -12.63
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 43.470 Final Weight : 43.199 Deviation : 0.623 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.229	0.530	1.060
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.730	1.690	2.750
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.151	4.979	7.729
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	6.882	15.931	23.660
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	10.860	25.139	48.800
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.400	21.760	70.560
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	6.808	15.760	86.319
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	3.180	7.361	93.680
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	1.970	4.560	98.241
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.579	1.340	99.581
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.181	0.419	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.039	0.090	0.090	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.082	0.190	0.280	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.039	0.090	0.370	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.069	0.160	0.530	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.000	0.280	2.470	96.831	0.419	0.000
Unified Classification	0.000	0.000	0.370	97.870	1.759	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.79	0.44	-0.07	4.24
Folk Graphic Measures (PHI)	2.76	2.79	0.43	0.09	1.07
Grain Size (mm)	0.15	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218812	850906		870728	SJT

X Position : 3300.00 Y Position : 1251.55

Elevation of Top of Core : -13.50
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 35.830 Final Weight : 35.779 Deviation : 0.142 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.580	1.621	5.101
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	1.599	4.469	9.570
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	4.211	11.769	21.339
-2.00	4.000	0.229	0.640	0.640	2.50	0.177	9.442	26.390	47.729
-1.75	3.364	0.000	0.000	0.640	2.75	0.149	8.501	23.760	71.489
-1.50	2.828	0.000	0.000	0.640	3.00	0.125	6.029	16.851	88.340
-1.25	2.378	0.000	0.000	0.640	3.25	0.105	2.730	7.630	95.970
-1.00	2.000	0.000	0.000	0.640	3.50	0.088	0.880	2.460	98.429
-0.75	1.682	0.050	0.140	0.780	3.75	0.074	0.401	1.121	99.550
-0.50	1.414	0.039	0.109	0.889	4.00	0.063	0.122	0.341	99.891
-0.25	1.189	0.029	0.081	0.970	4.25	0.053	0.039	0.109	100.000
0.00	1.000	0.050	0.140	1.110	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.079	0.221	1.330	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.100	0.279	1.610	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.089	0.249	1.859	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.200	0.559	2.418	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.140	0.391	2.809	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.240	0.671	3.480	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand coarse	Sand medium	Sand fine	Silt	Clay
Wentworth Classification	0.640	1.778	7.152	90.321	0.109	0.000
Unified Classification	0.000	0.640	2.169	96.741	0.450	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.48	0.63	-3.29	23.05
Folk Graphic Measures (PHI)	2.52	2.53	0.42	-0.02	1.18
Grain Size (mm)	0.17	0.18			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218813	850906		870728	SJT

X Position : 3300.00 Y Position : 1497.83

Elevation of Top of Core : -15.64
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 44.180 Final Weight : 43.810 Deviation : 0.837 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.110	0.251	0.822
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.578	1.319	2.141
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	2.782	6.350	8.491
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	13.165	30.050	38.541
-1.75	3.364	0.101	0.231	0.231	2.75	0.149	9.388	21.429	59.970
-1.50	2.828	0.079	0.180	0.411	3.00	0.125	9.691	22.121	82.091
-1.25	2.378	0.000	0.000	0.411	3.25	0.105	4.828	11.020	93.111
-1.00	2.000	0.000	0.000	0.411	3.50	0.088	1.888	4.310	97.421
-0.75	1.682	0.000	0.000	0.411	3.75	0.074	0.850	1.940	99.361
-0.50	1.414	0.000	0.000	0.411	4.00	0.063	0.219	0.500	99.861
-0.25	1.189	0.000	0.000	0.411	4.25	0.053	0.061	0.139	100.000
0.00	1.000	0.000	0.000	0.411	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.039	0.089	0.500	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.500	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.500	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.031	0.071	0.571	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.571	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.571	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.411	0.160	1.570	97.720	0.139	0.000
Unified Classification	0.000	0.411	0.160	98.790	0.639	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.65	0.48	-3.13	32.82
Folk Graphic Measures (PHI)	2.63	2.66	0.37	0.14	0.96
Grain Size (mm)	0.16	0.16			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218814	850906		870728	SJT

X Position : 3300.00 Y Position : 1691.57

Elevation of Top of Core : -17.87
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 25.200 Final Weight : 25.231 Deviation : 0.123 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	1.241
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.139	0.551	1.791
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.641	2.541	4.332
-2.00	4.000	0.121	0.480	0.480	2.50	0.177	3.169	12.560	16.892
-1.75	3.364	0.000	0.000	0.480	2.75	0.149	5.881	23.309	40.201
-1.50	2.828	0.071	0.281	0.761	3.00	0.125	6.825	27.050	67.251
-1.25	2.378	0.071	0.281	1.042	3.25	0.105	5.041	19.979	87.230
-1.00	2.000	0.050	0.198	1.241	3.50	0.088	2.041	8.089	95.319
-0.75	1.682	0.000	0.000	1.241	3.75	0.074	0.850	3.369	98.688
-0.50	1.414	0.000	0.000	1.241	4.00	0.063	0.220	0.872	99.560
-0.25	1.189	0.000	0.000	1.241	4.25	0.053	0.111	0.440	100.000
0.00	1.000	0.000	0.000	1.241	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	1.241	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	1.241	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	1.241	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	1.241	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	1.241	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	1.241	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	1.241	0.000	0.551	97.769	0.440	0.000
Unified Classification	0.000	1.241	0.000	97.448	1.312	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		2.80	0.62	-4.59	35.37
Folk Graphic Measures (PHI)	2.84	2.84	0.37	0.04	0.99
Grain Size (mm)	0.14	0.14			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218815	850906		870728	SJT

X Position : 3300.00 Y Position : 1968.82

Elevation of Top of Core : -20.05
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 45.060 Final Weight : 44.970 Deviation : 0.200 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.058	0.129	0.129
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.261	0.580	0.709
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	1.560	3.469	4.178
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	7.969	17.721	21.899
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	11.782	26.200	48.099
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	14.458	32.150	80.249
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	5.441	12.099	92.348
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.451	5.450	97.799
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.711	1.581	99.380
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.279	0.620	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.129	99.251	0.620	0.000
Unified Classification	0.000	0.000	0.000	97.799	2.201	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.01	0.33	0.30	3.49
Folk Graphic Measures (PHI)	3.01	3.00	0.33	0.02	1.06
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218816	850906		870728	SJT

X Position : 3300.00 Y Position : 2482.01

Elevation of Top of Core : -23.93
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 32.120 Final Weight : 32.070 Deviation : 0.156 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.000	0.000	0.000
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.051	0.159	0.159
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.391	1.219	1.378
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.210	6.891	8.269
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	9.769	30.461	38.731
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	11.500	35.859	74.590
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	4.759	14.839	89.429
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.441	7.611	97.041
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.680	2.120	99.161
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.269	0.839	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.000	99.161	0.839	0.000
Unified Classification	0.000	0.000	0.000	97.041	2.959	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.10	0.30	0.54	3.76
Folk Graphic Measures (PHI)	3.08	3.10	0.31	0.13	1.17
Grain Size (mm)	0.12	0.12			

Locality	Type	Sample	Date	Profile	Analysis Date	Analyz
39	G	6218817	850906		870728	SJT

X Position : 3300.00 Y Position : 2951.55

Elevation of Top of Core : -26.37
Length of Core : 0.00
Depth to Top of Sample : 0.00
Depth to Bottom of Sample :

Comments :

Start Weight : 29.460 Final Weight : 29.462 Deviation : 0.007 %

PHI	MM	Weight	Percnt	Cumul Percnt	PHI	MM	Weight	Percnt	Cumul Percnt
-2.75	6.727	0.000	0.000	0.000	1.75	0.297	0.000	0.000	0.000
-2.50	5.657	0.000	0.000	0.000	2.00	0.250	0.029	0.098	0.098
-2.25	4.757	0.000	0.000	0.000	2.25	0.210	0.071	0.241	0.339
-2.00	4.000	0.000	0.000	0.000	2.50	0.177	0.460	1.561	1.901
-1.75	3.364	0.000	0.000	0.000	2.75	0.149	2.139	7.260	9.161
-1.50	2.828	0.000	0.000	0.000	3.00	0.125	8.700	29.530	38.691
-1.25	2.378	0.000	0.000	0.000	3.25	0.105	10.173	34.529	73.220
-1.00	2.000	0.000	0.000	0.000	3.50	0.088	4.590	15.579	88.799
-0.75	1.682	0.000	0.000	0.000	3.75	0.074	2.410	8.180	96.979
-0.50	1.414	0.000	0.000	0.000	4.00	0.063	0.660	2.240	99.219
-0.25	1.189	0.000	0.000	0.000	4.25	0.053	0.230	0.781	100.000
0.00	1.000	0.000	0.000	0.000	4.50	0.044	0.000	0.000	100.000
0.25	0.841	0.000	0.000	0.000	4.75	0.037	0.000	0.000	100.000
0.50	0.707	0.000	0.000	0.000	5.00	0.031	0.000	0.000	100.000
0.75	0.595	0.000	0.000	0.000	5.25	0.026	0.000	0.000	100.000
1.00	0.500	0.000	0.000	0.000	5.50	0.022	0.000	0.000	100.000
1.25	0.420	0.000	0.000	0.000	5.75	0.019	0.000	0.000	100.000
1.50	0.354	0.000	0.000	0.000	6.00	0.016	0.000	0.000	100.000

Sample Content by Weight Percent :

	Gravel	Sand			Silt	Clay
		coarse	medium	fine		
Wentworth Classification	0.000	0.000	0.098	99.121	0.781	0.000
Unified Classification	0.000	0.000	0.000	96.979	3.021	0.000

Standard Statistics :

	Median	Mean	Dev.	Skew	Kurt
Method of Moments (PHI)		3.10	0.32	0.37	3.71
Folk Graphic Measures (PHI)	3.08	3.10	0.32	0.12	1.12
Grain Size (mm)	0.12	0.12			

Waterways Experiment Station Cataloging-In-Publication Data

Stauble, Donald K.
Long-term profile and sediment morphodynamics : Field Research Facility Case history / by Donald K. Stauble, Coastal Engineering Research Center ; prepared for Department of the Army, U.S. Army Corps of Engineers.
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1. Sediment transport -- Atlantic Coast (N.C.) -- Statistics. 2. Sedimentation and deposition -- Atlantic Coast (N.C.) -- Statistics. 3. Coast changes -- North Carolina. I. United States. Army. Corps of Engineers. II. Coastal Engineering Research Center (U.S.) III. U.S. Army Engineer Waterways Experiment Station. IV. Title. V. Series: Technical report (U.S. Army Engineer Waterways Experiment Station) ; CERC-92-7.
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