Appendix C
Sediments

Nineteen sediment samples were collected along profile line 230 on 15 October 1990. Beach samples were scraped from the top layer of the beach face. Offshore samples were collected with a clamshell grab sampler by a person atop the Coastal Research Amphibious Buggy (CRAB) deck. The samples were then washed, dried, split, and sieved for analysis of grain size and sorting. The sieving was done with a *sonic sifter*, which sorts the sediments through small diameter sieves using high-frequency vibrations.

The size distribution of each sample, along with its relative position along the profile, are shown in Figure C1. The overall nature of the cross-shore size distribution is typical of sediments at the Field Research Facility with a wide range in sediment size on the beach face and in the inner bar/trough region. Seaward of the inner bar, the sediment is composed of fine, well-sorted sediments. Detailed tables and plots describing each sample are shown in Figures C2 through C20.

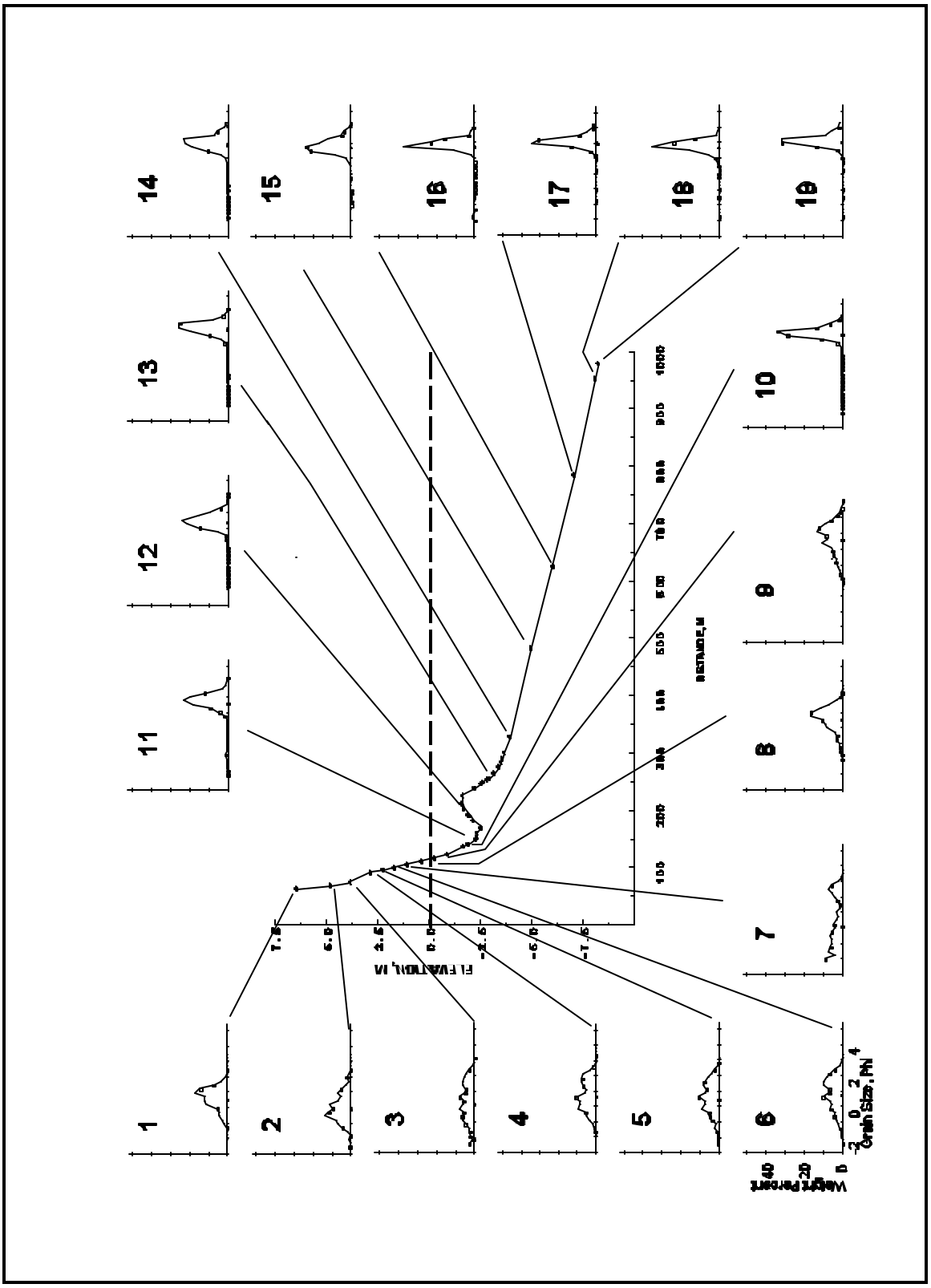


Figure C1. Schematic plot of cross-shore sediment size by sample number on profile line 230, 15 October 1990

DELILAH Sediment Sample - 1

Location: Longshore = 1005.8 m, Cross-shore = 44.6 m, Depth = 5.85 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel	Sand Coarse	Sand Medium	Sand Fine	Silt	Clay
Wentworth	0.02	30.97	55.88	13.10	0.02	0.00
Unified	0.00	0.02	42.96	56.98	0.03	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures	Grain Size
Median Diameter		1.40 phi	0.380 mm
Mean Diameter	1.29 phi	1.30 phi	0.408 mm
Standard Deviation	0.70 phi	0.69 phi	
Skewness	-0.47	-0.21	
Kurtosis	2.94	1.01	

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-1.50	0.000	-1.25	0.023	-1.00	0.000	-0.75	0.057	-0.50	0.540
-0.25	1.905	0.00	2.513	0.25	4.[illegible]	0.50	4.792	0.75	5.358
1.00	10.995	1.25	11.995	1.50	12.[illegible]	1.75	17.440	2.00	14.376
2.25	7.410	2.50	3.924	2.75	1.200	3.00	0.423	3.25	0.098
3.5	0.026	3.75	0.008	4.00	0.015	4.25	0.019		

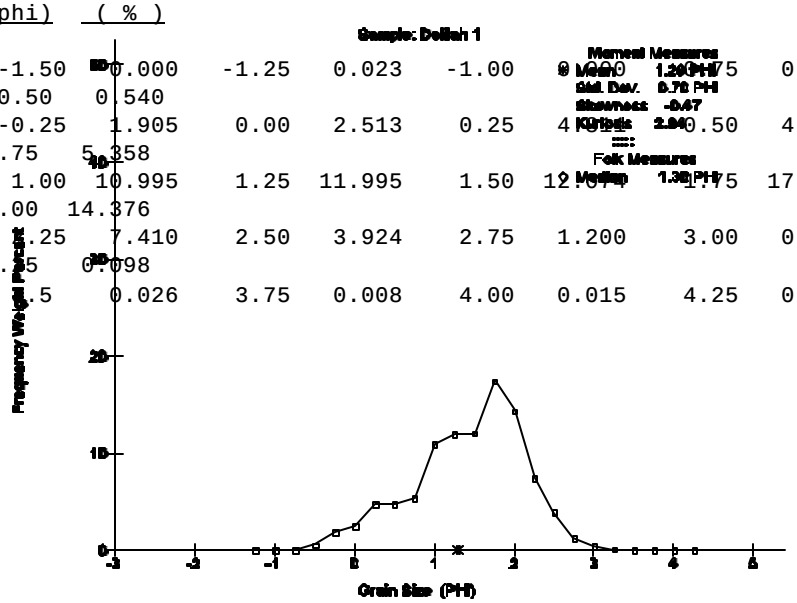


Figure C2. Grain size distribution for sediment sample 1, 15 October 1990

DELILAH Sediment Sample - 2

Location: Longshore = 1005.8 m, Cross-shore = 52.3 m, Depth = 7.51 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel	Sand Coarse	Sand Medium	Sand Fine	Silt	Clay
Wentworth	2.16	67.08	23.88	6.81	0.06	0.00
Unified	0.00	2.16	73.80	23.98	0.06	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures
Grain Size		
Median Diameter		0.55 phi 0.685 mm
Mean Diameter	0.64 phi	0.64 phi 0.644 mm
Standard Deviation	0.89 phi	0.89 phi
Skewness	0.25	0.15
Kurtosis	3.04	1.00

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.00	0.000	-1.75	0.617	-1.50	0.000	-1.25	1.040
-1.00	0.502						
-0.75	1.753	-0.50	4.274	-0.25	6.692	0.00	7.774
0.25	13.819						
0.50	11.782	0.75	9.654	1.00	11.335	1.25	6.716
1.50	9.217						
1.75	6.958	2.00	4.993	2.25	2.572	2.50	1.064
2.75	2.231						
3.00	0.762	3.25	0.181	3.5	0.000	3.75	0.000
4.00	0.000						
4.25	0.060						

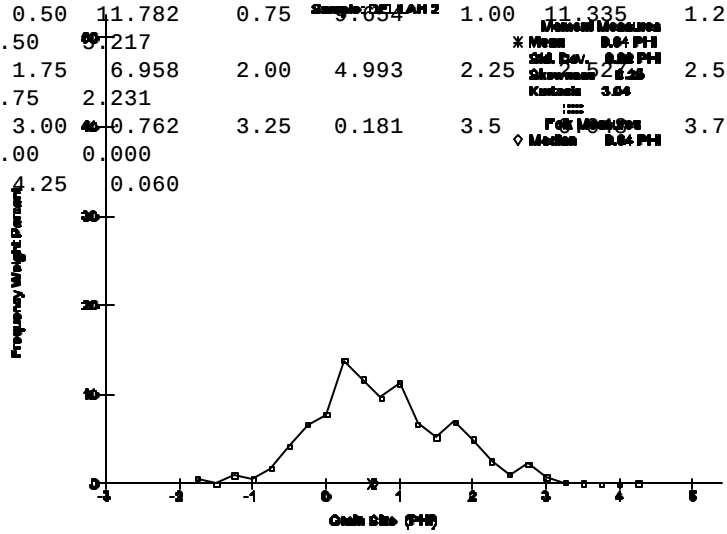


Figure C3. Grain size distribution for sediment sample 2, 15 October 1990

DELILAH Sediment Sample - 3

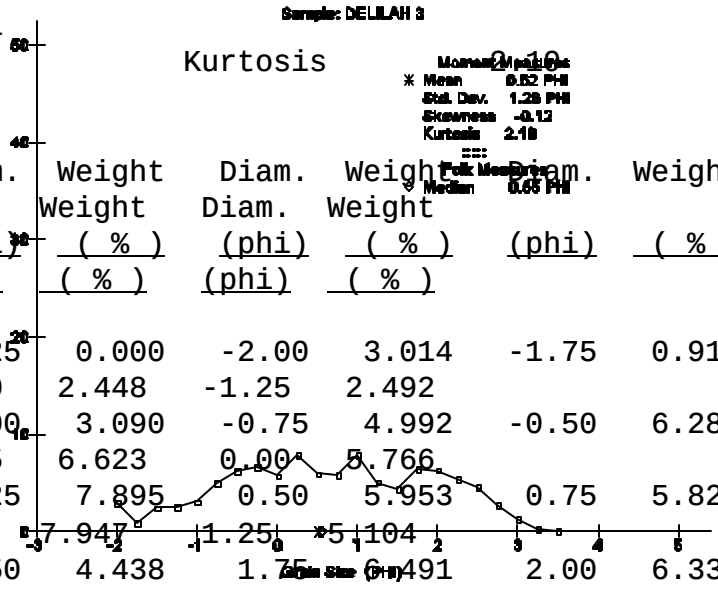
Location: Longshore = 1011.97 m, Cross-shore = 91.41 m, Depth = 2.86 m

SIZE CLASSIFICATION: Gravel ------- Sand ------- Silt Clay
(By Weight Percent)

	Coarse	Medium	Fine			
Wentworth	11.96	51.28	22.37	14.39	0.00	0.00
Unified	0.00	11.96	56.39	31.65	0.00	0.00

STANDARD STATISTICS: Method of Moments Folk Graphic Measures Grain Size

Median Diameter	0.52 phi	0.696 mm
Mean Diameter	0.52 phi	0.697 mm
Standard Deviation	1.26 phi	1.31 phi
Skewness	-0.12	-0.01
Kurtosis	2.10	0.83



Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	3.014	-1.75	0.917	-1.50	2.448
-1.25	2.492	-1.00	3.090	-0.75	4.992	-0.50	6.280
-0.25	6.623	0.00	5.766	0.25	7.895	0.50	5.953
0.75	5.829	1.00	7.947	1.25	5.104	1.50	4.438
1.75	6.491	2.00	6.336	2.25	5.399	2.50	4.649
2.75	2.739	3.00	1.264	3.25	0.291	3.5	0.044

Figure C4. Grain size distribution for sediment sample 3, 15 October 1990

DELILAH Sediment Sample - 4

Location: Longshore = 1011.05 m, Cross-shore = 96.46 m, Depth = 2.18 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel -------	Sand ------- Coarse	Medium	Fine	Silt	Clay
Wentworth	1.34	52.82	26.02	19.79	0.02	0.00
Unified	0.00	1.34	58.92	39.72	0.02	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures	Grain Size
Median Diameter		0.90 phi	0.534 mm
Mean Diameter	0.98 phi	1.00 phi	0.505 mm
Standard Deviation	0.99 phi	1.02 phi	
Skewness	-0.01	0.08	
Kurtosis	2.13	0.79	

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-1.75	0.000	-1.50	0.005	-1.25	0.393	-1.00	0.942	-0.75	1.811
-0.50	3.262	-0.25	4.915	0.00	5.622	0.25	9.313	0.50	8.399
0.75	8.607	1.00	10.893	1.25	8.094	1.50	5.031	1.75	7.045
2.00	7.854	2.25	7.429	2.50	7.184	2.75	3.520	3.00	1.326
3.25	0.254	3.5	0.060	3.75	0.018	4.00	0.000	4.25	0.023

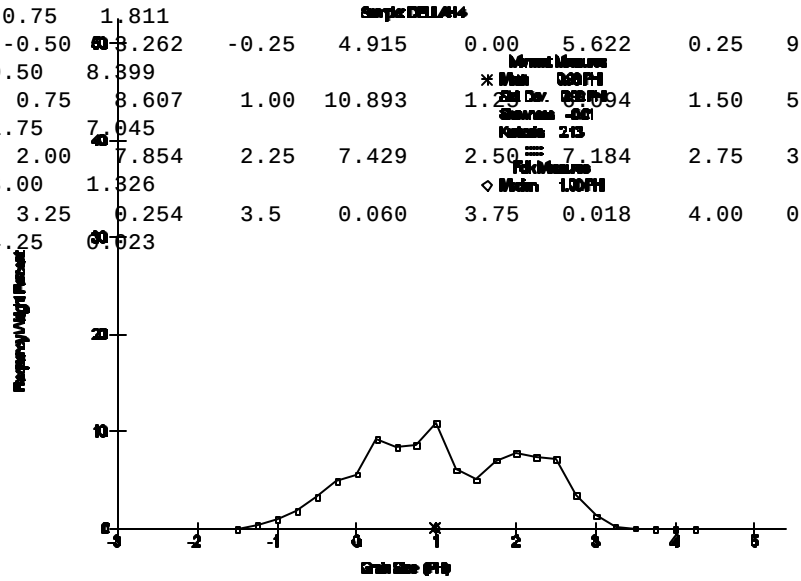


Figure C5. Grain size distribution for sediment sample 4, 15 October 1990

DELILAH Sediment Sample - 5

Location: Longshore = 1010.83 m, Cross-shore = 100.48 m, Depth = 1.66 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel -------	Sand -------			Silt	Clay
		Coarse	Medium	Fine		
Wentworth	5.99	50.71	30.11	13.18	0.00	0.00
Unified	0.00	5.99	57.93	36.08	0.00	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures
Grain Size		
Median Diameter		0.85 phi 0.556 mm
Mean Diameter	0.80 phi	0.83 phi 0.575 mm
Standard Deviation	1.06 phi	1.07 phi
Skewness	-0.36	-0.07
Kurtosis	2.77	0.93

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	1.021	-1.75	0.945	-1.50	0.684	-1.25	1.057
-1.00	2.282	-0.75	1.338	-0.50	3.702	-0.25	5.198	0.00	5.459
0.25	9.069	0.50	7.506	0.75	[illegible]	1.00	10.983	1.25	7.220
1.50	6.556	1.75	8.532	2.00	7.802	2.25	5.678	2.50	4.141
2.75	2.165	3.00	0.975	3.25	0.209	3.5	0.015		

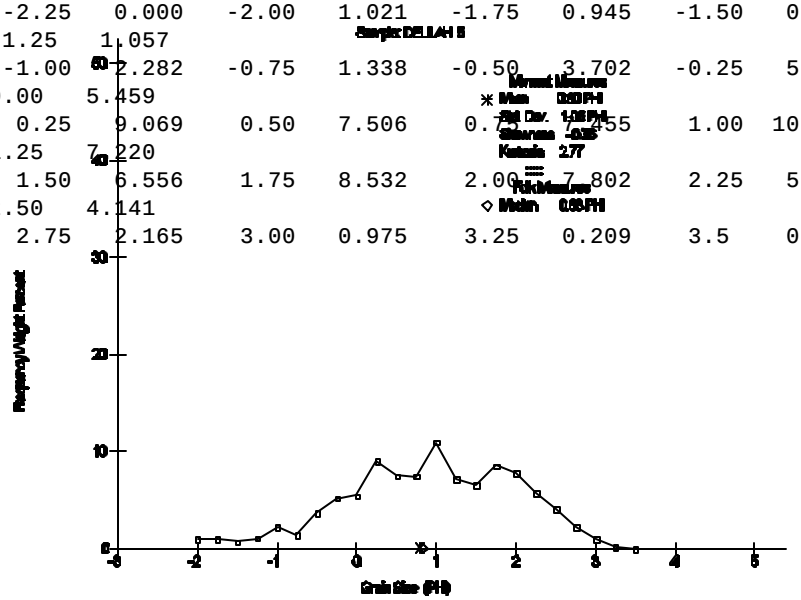


Figure C6. Grain size distribution for sediment sample 5, 15 October 1990

DELILAH Sediment Sample - 6

Location: Longshore = 1009.99 m, Cross-shore = 105.69 m, Depth = 1.02 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel	Coarse	Sand Medium	Fine	Silt	Clay
Wentworth	2.42	42.79	33.96	20.82	0.00	0.00
Unified	0.00	2.42	49.84	47.74	0.00	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures
Median Diameter		1.17 phi 0.444 mm
Mean Diameter	1.09 phi	1.10 phi 0.471 mm
Standard Deviation	1.03 phi	1.05 phi
Skewness	-0.37	-0.13
Kurtosis	2.44	0.88

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	0.012	-1.75	0.000	-1.50	0.784	-1.25	0.555
-1.00	1.067	-0.75	2.388	-0.50	3.208	-0.25	4.387	0.00	4.158
0.25	6.145	0.50	5.812	0.75	[illegible]	1.00	10.334	1.25	7.052
1.50	6.904	1.75	10.155	2.00	9.853	2.25	7.953	2.50	6.904
2.75	3.714	3.00	1.734	3.25	0.401	3.5	0.099	3.75	0.019

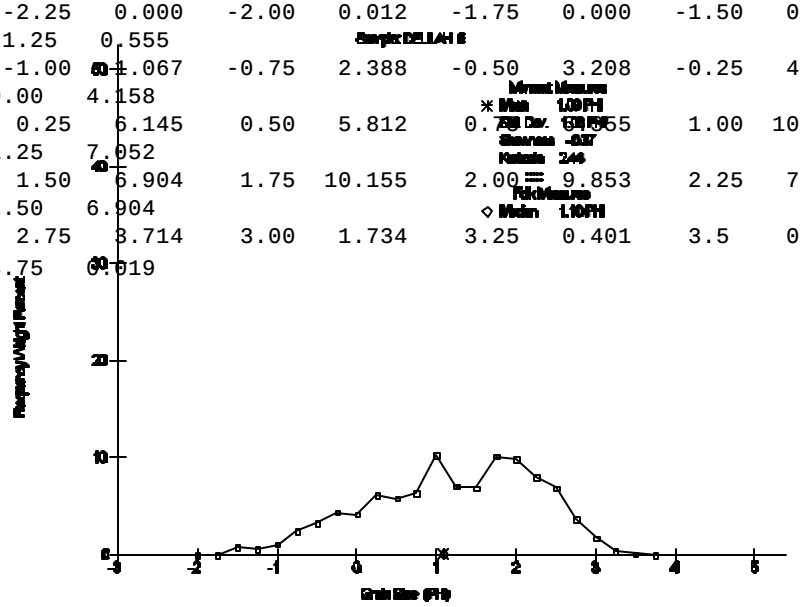


Figure C7. Grain size distribution for sediment sample 6, 15 October 1990

DELILAH Sediment Sample - 7

Location: Longshore = 1008.98 m, Cross-shore = 111.20 m, Depth = 0.34 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel	Sand Coarse	Sand Medium	Sand Fine	Silt	Clay
Wentworth	32.76	35.11	10.19	21.94	0.00	0.00
Unified	0.00	32.76	36.88	30.36	0.00	0.00

STANDARD STATISTICS: Grain Size	Method of Moments	Folk Graphic Measures
Median Diameter		-0.29 phi 1.219 mm
Mean Diameter	0.09 phi	0.10 phi 0.937 mm
Standard Deviation	1.63 phi	1.70 phi
Skewness	0.30	0.26
Kurtosis	1.69	0.62

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	9.342	-1.75	4.259	-1.50	7.211	-1.25	6.226
-1.00	5.721	-0.75	5.842	-0.50	6.581	-0.25	5.612	0.00	4.239
0.25	4.510	0.50	2.891	0.75	2.418	1.00	3.016	1.25	1.776
1.50	1.688	1.75	2.705	2.00	4.025	2.25	5.773	2.50	7.517
2.75	5.600	3.00	2.527	3.25	0.444	3.5	0.065	3.75	0.012

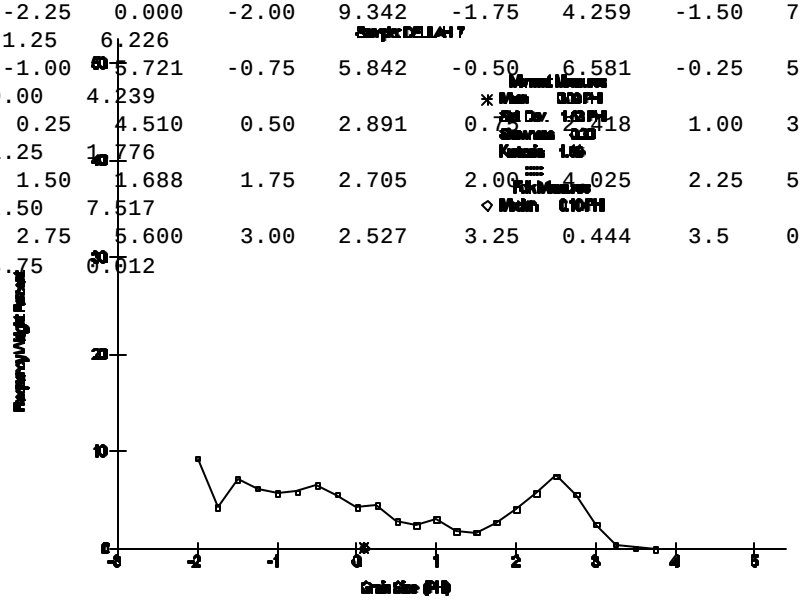


Figure C8. Grain size distribution for sediment sample 7, 15 October 1990

DELILAH Sediment Sample - 8

Location: Longshore = 1007.53 m, Cross-shore = 117.32 m, Depth = -0.29 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel	Sand Coarse	Sand Medium	Sand Fine	Silt	Clay
Wentworth	0.17	22.58	53.73	23.52	0.00	0.00
Unified	0.00	0.17	31.87	67.96	0.00	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures
Grain Size		
Median Diameter		1.61 phi 0.328 mm
Mean Diameter	1.48 phi	1.52 phi 0.358 mm
Standard Deviation	0.73 phi	0.71 phi
Skewness	-0.75	-0.24
Kurtosis	3.56	1.09

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-1.25	0.000	-1.00	0.166	-0.75	0.266	-0.50	0.973	-0.25	1.456
0.00	1.741	0.25	2.884	0.50	2.842	0.75	3.933	1.00	8.487
1.25	9.289	1.50	10.816	1.75	14.447	2.00	16.879	2.25	11.727
2.50	7.467	2.75	2.908	3.00	1.015	3.25	0.289	3.5	0.085
3.75	0.024								

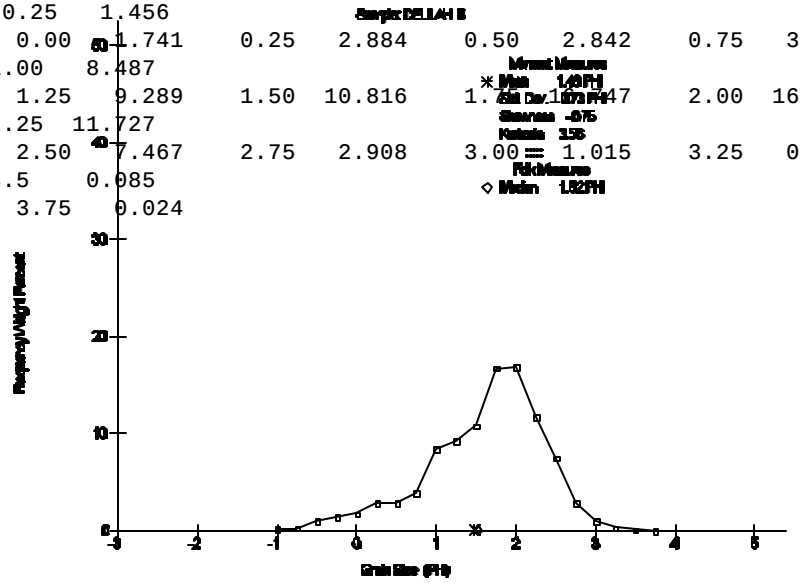


Figure C9. Grain size distribution for sediment sample 8, 15 October 1990

DELILAH Sediment Sample - 9

Location: Longshore = 1006.15 m, Cross-shore = 123.63 m, Depth = -0.93 m

SIZE CLASSIFICATION: Gravel ------- Sand ------- Silt Clay

(By Weight Percent)

	Coarse	Medium	Fine		
Wentworth	1.17	37.19	42.28	19.36	0.00 0.00
Unified	0.00	1.17	45.27	53.56	0.00 0.00

STANDARD STATISTICS: Method of Moments Folk Graphic Measures

Grain Size		
Median Diameter		1.35 phi 0.392 mm
Mean Diameter	1.20 phi	1.22 phi 0.434 mm
Standard Deviation	0.91 phi	0.92 phi
Skewness	-0.51	-0.23
Kurtosis	2.65	0.97

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	0.005	-1.75	0.020	-1.50	0.000	-1.25	0.121
-1.00	1.025	-0.75	1.278	-0.50	2.541	-0.25	3.531	0.00	3.813
0.25	5.066	0.50	5.147	0.75	9.954	1.00	10.456	1.25	8.082
1.50	8.662	1.75	13.042	2.00	12.491	2.25	9.001	2.50	6.076
2.75	2.859	3.00	1.136	3.25	0.247	3.5	0.035	3.75	0.005

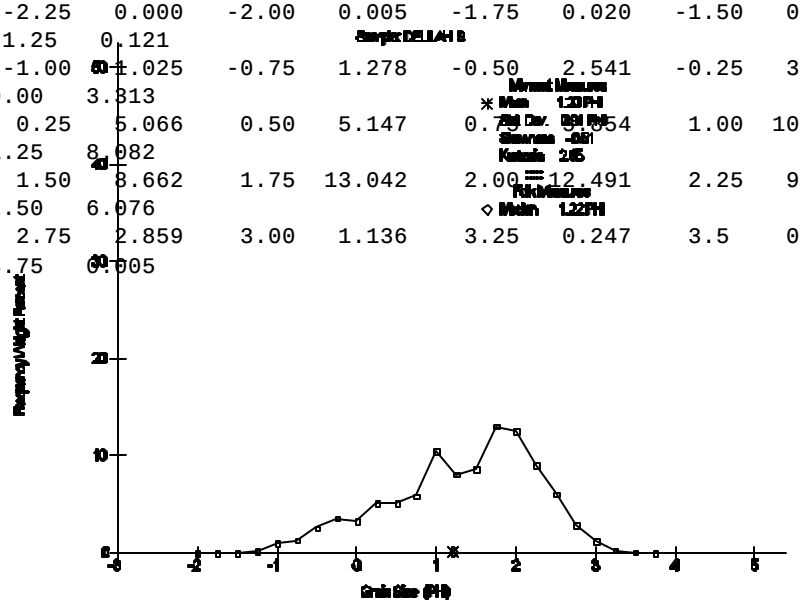


Figure C10. Grain size distribution for sediment sample 9, 15 October 1990

DELILAH Sediment Sample - 10

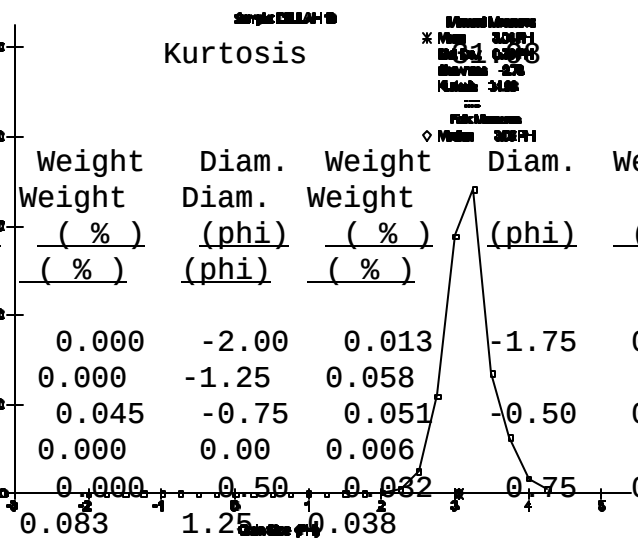
Location: Longshore = 1006.25 m, Cross-shore = 137.57 m, Depth = -1.7 m

SIZE CLASSIFICATION: Gravel ------- Sand ------- Silt Clay
(By Weight Percent) Coarse Medium Fine

Wentworth	0.12	0.24	0.34	98.75	0.56	0.00
Unified	0.00	0.12	0.28	97.31	2.29	0.00

STANDARD STATISTICS: Method of Moments Folk Graphic Measures Grain Size

Median Diameter	3.05 phi	0.121 mm	
Mean Diameter	3.04 phi	3.06 phi	0.122 mm
Standard Deviation	0.39 phi	0.32 phi	
Skewness	-2.78	0.06	
Kurtosis	1.17		



Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	0.013	-1.75	0.000	-1.50	0.000	-1.25	0.058
-1.00	0.045	-0.75	0.051	-0.50	0.032	-0.25	0.000	0.00	0.006
0.25	0.000	0.50	0.032	0.75	0.038	1.00	0.083	1.25	0.038
1.50	0.045	1.75	0.077	2.00	0.179	2.25	0.563	2.50	2.520
2.75	11.015	3.00	28.900	3.25	34.114	3.5	13.529	3.75	6.371
4.00	1.734	4.25	0.557						

Figure C11. Grain size distribution for sediment sample 10, 15 October 1990

DELILAH Sediment Sample - 11

Location: Longshore = 1006.64 m, Cross-shore = 148.91 m, Depth = -2.29 m

SIZE CLASSIFICATION: Gravel ------- Sand ------- Silt Clay
(By Weight Percent) Coarse Medium Fine

Wentworth	1.26	4.09	7.22	87.37	0.06	0.00
Unified	0.00	1.26	4.57	93.81	0.36	0.00

STANDARD STATISTICS: Method of Moments Folk Graphic Measures Grain Size

Median Diameter	2.61 phi	0.164 mm
Mean Diameter	2.46 phi	2.58 phi 0.182 mm
Standard Deviation	0.82 phi	0.59 phi
Skewness	-2.64	-0.28
Kurtosis	11.72	1.59

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	0.021	-1.75	0.000	-1.50	0.360	-1.25	0.360
-1.00	0.524	-0.75	0.946	-0.50	0.637	-0.25	0.406	0.00	0.262
0.25	0.386	0.50	0.288	0.75	0.406	1.00	0.756	1.25	0.483
1.50	0.699	1.75	1.707	2.00	4.328	2.25	9.197	2.50	18.331
2.75	22.942	3.00	19.575	3.25	12.517	3.5	3.131	3.75	1.378
4.00	0.303	4.25	0.057						

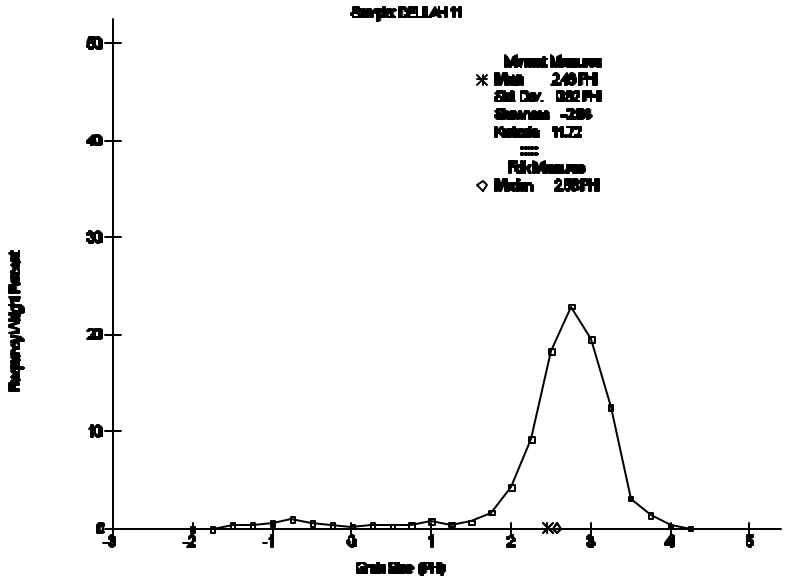


Figure C12. Grain size distribution for sediment sample 11, 15 October 1990

DELILAH Sediment Sample - 12

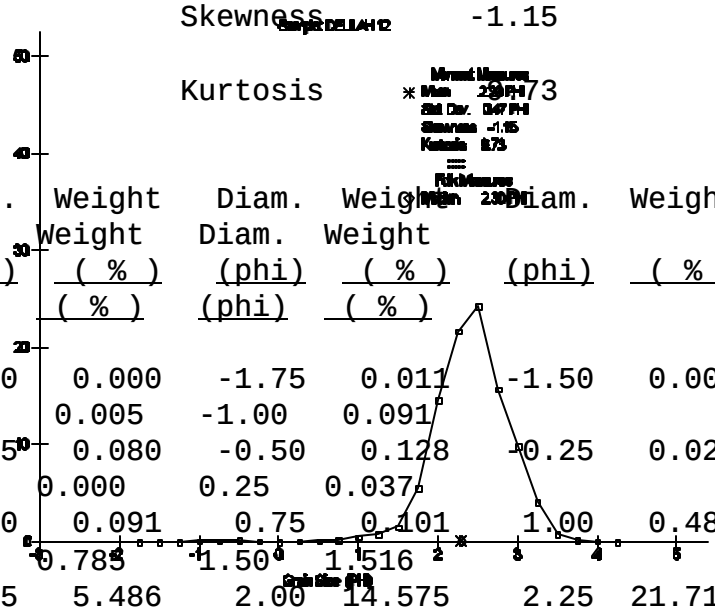
Location: Longshore = 1007.65 m, Cross-shore = 192.47 m, Depth = -1.94 m

SIZE CLASSIFICATION: Gravel ------- Sand ------- Silt Clay
(By Weight Percent)

	Coarse	Medium	Fine			
Wentworth	0.11	0.94	22.36	76.57	0.02	0.00
Unified	0.00	0.11	1.73	98.12	0.04	0.00

STANDARD STATISTICS: Method of Moments Folk Graphic Measures Grain Size

Median Diameter	2.30 phi	0.203 mm	
Mean Diameter	2.29 phi	2.30 phi	0.205 mm
Standard Deviation	0.47 phi	0.43 phi	
Skewness	-1.15	-0.01	
Kurtosis	1.73	1.02	



Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.00	0.000	-1.75	0.011	-1.50	0.000	-1.25	0.005
-1.00	0.091	-0.75	0.080	-0.50	0.128	-0.25	0.027
0.00	0.000	0.25	0.037	0.50	0.091	0.75	0.101
1.00	0.480	1.25	0.785	1.50	1.516	1.75	5.486
2.00	14.575	2.25	21.711	2.50	24.262	2.75	15.734
3.00	9.852	3.25	4.072	3.5	0.742	3.75	0.171
4.00	0.027	4.25	0.016				

Figure C13. Grain size distribution for sediment sample 12, 15 October 1990

DELILAH Sediment Sample - 13

Location: Longshore = 1007.39 m, Cross-shore = 255.69 m, Depth = -2.95 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel	Sand Coarse	Sand Medium	Sand Fine	Silt	Clay
Wentworth	0.10	1.43	2.66	95.69	0.11	0.00
Unified	0.00	0.10	1.67	97.85	0.39	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures
Grain Size		
Median Diameter		2.87 phi 0.137 mm
Mean Diameter	2.80 phi	2.84 phi 0.143 mm
Standard Deviation	0.52 phi	0.39 phi
Skewness	-2.72	-0.14
Kurtosis	17.37	1.09

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	0.006	-1.75	0.000	-1.50	0.017	-1.25	0.062
-1.00	0.011	-0.75	0.028	-0.50	0.238	-0.25	0.102	0.00	0.142
0.25	0.249	0.50	0.187	0.75	0.170	1.00	0.318	1.25	0.232
1.50	0.187	1.75	0.533	2.00	1.712	2.25	3.714	2.50	9.508
2.75	20.122	3.00	25.979	3.25	25.412	3.5	8.114	3.75	2.563
4.00	0.278	4.25	0.113						

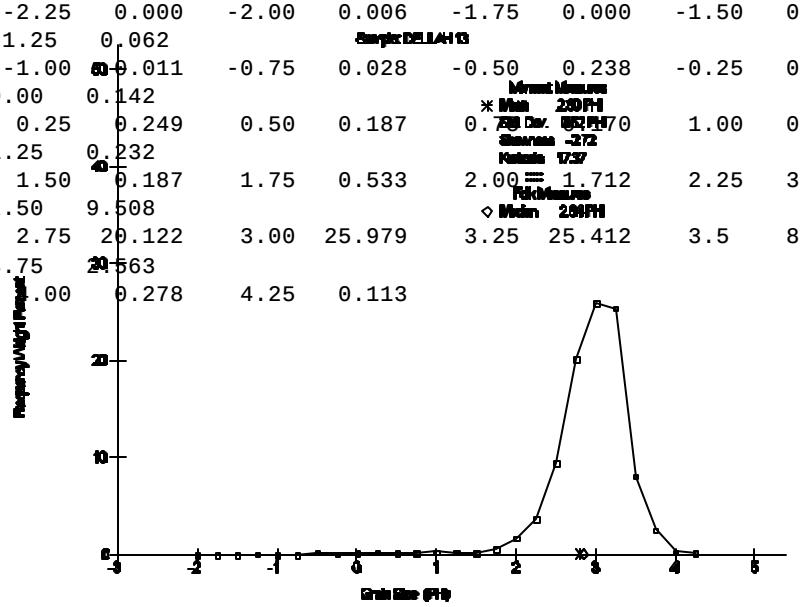


Figure C14. Grain size distribution for sediment sample 13, 15 October 1990

DELILAH Sediment Sample - 14

Location: Longshore = 1007.30 m, Cross-shore = 328.36 m, Depth = -3.95 m

SIZE CLASSIFICATION:	Gravel		Sand		Silt	Clay
(By Weight Percent)		Coarse	Medium	Fine		
Wentworth	0.09	1.83	3.01	94.28	0.80	0.00
Unified	0.00	0.09	2.19	95.06	2.65	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures
Grain Size		
Median Diameter		2.87 phi 0.136 mm
Mean Diameter	2.82 phi	2.84 phi 0.142 mm
Standard Deviation	0.58 phi	0.45 phi
Skewness	-1.98	-0.09
Kurtosis	12.43	1.16

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.00	0.000	-1.75	0.061	-1.50	0.000	-1.25	0.000	-1.00	0.028
-0.75	0.083	-0.50	0.039	-0.25	0.266	0.00	0.116	0.25	0.139
0.50	0.233	0.75	0.377	1.00	0.576	1.25	0.366	1.50	0.371
1.75	0.742	2.00	1.529	2.25	4.078	2.50	10.682	2.75	19.098
3.00	22.688	3.25	23.170	3.5	7.469	3.75	5.236	4.00	1.856
4.25	0.798								

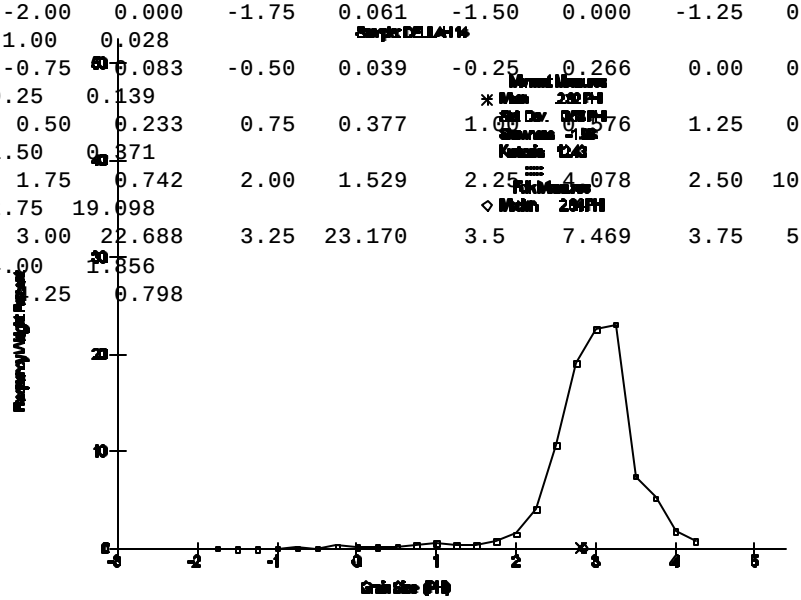


Figure C15. Grain size distribution for sediment sample 14, 15 October 1990

DELILAH Sediment Sample - 15

Location: Longshore = 1004.68 m, Cross-shore = 483.59 m, Depth = -5.00 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel	Sand Coarse	Sand Medium	Sand Fine	Silt	Clay
Wentworth	0.07	1.34	4.69	93.29	0.62	0.00
Unified	0.00	0.07	1.68	96.31	1.94	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures	Grain Size
Median Diameter		2.64 phi	0.160 mm
Mean Diameter	2.66 phi	2.68 phi	0.158 mm
Standard Deviation	0.54 phi	0.47 phi	
Skewness	-1.04	0.12	
Kurtosis	9.02	1.12	

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-1.50	0.000	-1.25	0.065	-1.00	0.006	-0.75	0.029	-0.50	0.082
-0.25	0.024	0.00	0.053	0.25	0.206	0.50	0.224	0.75	0.235
1.00	0.483	1.25	0.341	1.50	[illegible]	1.75	0.971	2.00	2.979
2.25	8.825	2.50	21.376	2.75	23.678	3.00	17.197	3.25	12.028
3.5	5.104	3.75	3.756	4.00	1.325	4.25	0.618		

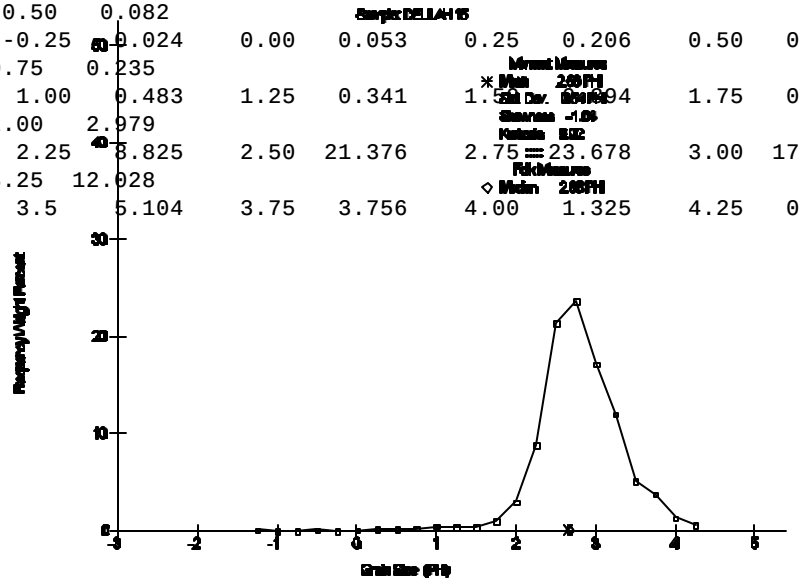


Figure C16. Grain size distribution for sediment sample 15, 15 October 1990

DELILAH Sediment Sample - 16

Location: Longshore = 1004.85 m, Cross-shore = 626.29 m, Depth = -6.04 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel	Sand Coarse	Sand Medium	Sand Fine	Silt	Clay
Wentworth	2.49	0.25	0.33	96.52	0.42	0.00
Unified	0.00	2.49	0.25	96.13	1.14	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures
Grain Size		
Median Diameter		2.72 phi 0.152 mm
Mean Diameter	2.67 phi	2.77 phi 0.157 mm
Standard Deviation	0.78 phi	0.32 phi
Skewness	-4.34	0.19
Kurtosis	25.09	1.09

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	0.012	-1.75	1.407	-1.50	0.583	-1.25	0.000
-1.00	0.484	-0.75	0.075	-0.50	0.069	-0.25	0.023	0.00	0.023
0.25	0.035	0.50	0.000	0.75	0.000	1.00	0.023	1.25	0.000
1.50	0.000	1.75	0.063	2.00	0.271	2.25	1.886	2.50	11.662
2.75	37.519	3.00	23.301	3.25	16.092	3.5	3.265	3.75	2.071
4.00	0.721	4.25	0.415						

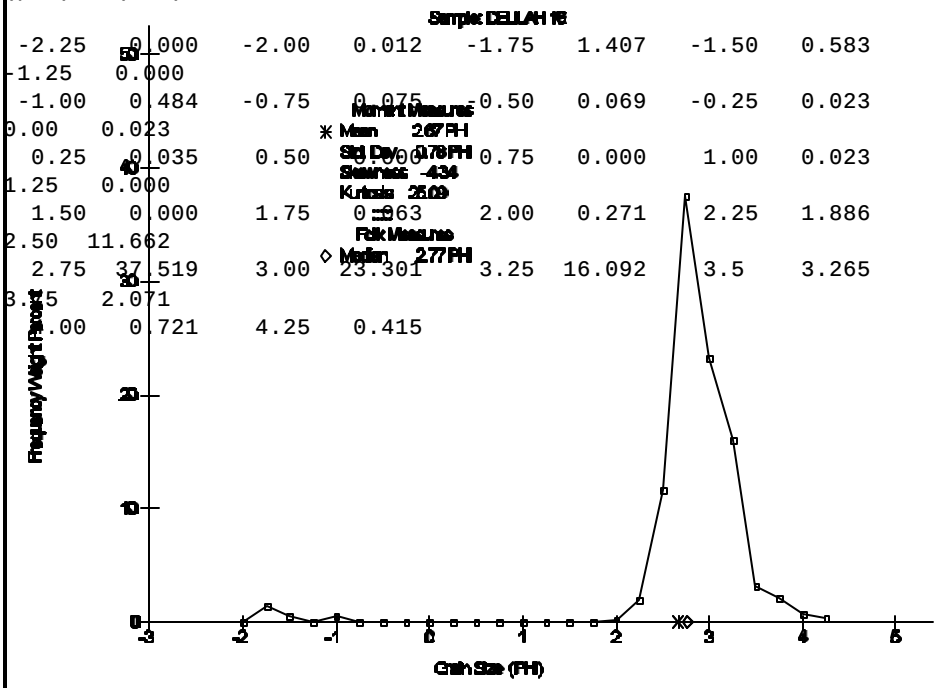


Figure C17. Grain size distribution for sediment sample 16, 15 October 1990

DELILAH Sediment Sample - 17

Location: Longshore = 1004.98 m, Cross-shore = 784.70 m, Depth = -7.07 m

SIZE CLASSIFICATION:	Gravel -------		Sand -------		Silt	Clay
(By Weight Percent)		Coarse	Medium	Fine		
Wentworth	0.01	0.10	0.07	98.39	1.43	0.00
Unified	0.00	0.01	0.10	96.73	3.16	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures	Grain Size
Median Diameter		2.99 phi	0.126 mm
Mean Diameter	3.02 phi	3.01 phi	0.124 mm
Standard Deviation	0.35 phi	0.32 phi	
Skewness	-0.61	0.13	
Kurtosis	15.72	1.22	

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-1.25	0.000	-1.00	0.006	-0.75	0.023	-0.50	0.063	-0.25	0.000
0.00	0.000	0.25	0.000	0.50	0.000	0.75	0.000	1.00	0.000
1.25	0.000	1.50	0.000	1.75	0.000	2.00	0.075	2.25	0.513
2.50	3.076	2.75	13.339	3.00	34.245	3.25	30.859	3.5	9.203
3.75	5.425	4.00	1.728	4.25	1.428				

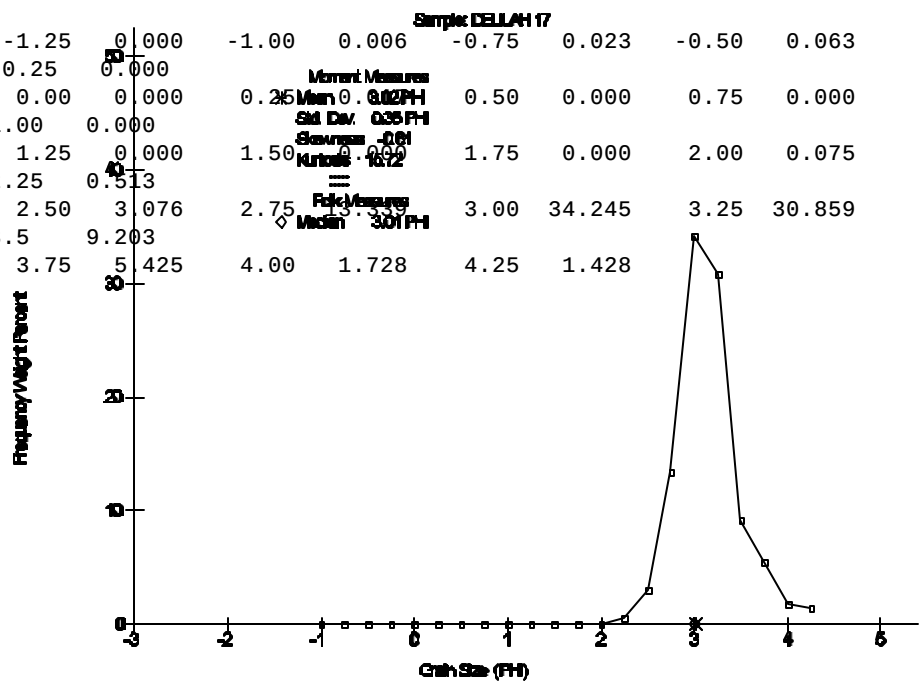


Figure C18. Grain size distribution for sediment sample 17, 15 October 1990

DELILAH Sediment Sample - 18

Location: Longshore = 1006.06 m, Cross-shore = 953.62 m, Depth = -8.13 m

SIZE CLASSIFICATION: (By Weight Percent)	Gravel		Sand		Silt	Clay
		Coarse	Medium	Fine		
Wentworth	0.28	1.08	3.15	95.49	0.00	0.00
Unified	0.00	0.28	1.22	98.43	0.06	0.00

STANDARD STATISTICS: Grain Size	Method of Moments	Folk Graphic Measures	
Median Diameter		2.67 phi	0.157 mm
Mean Diameter	2.63 phi	2.67 phi	0.161 mm
Standard Deviation	0.48 phi	0.34 phi	
Skewness	-3.61	-0.06	
Kurtosis	26.36	1.17	

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	0.005	-1.75	0.000	-1.50	0.010	-1.25	0.155
-1.00	0.109	-0.75	0.095	-0.50	0.258	-0.25	0.109	0.00	0.041
0.25	0.078	0.50	0.036	0.75	0.217	1.00	0.207	1.25	0.140
1.50	0.264	1.75	0.677	2.00	2.068	2.25	5.593	2.50	15.881
2.75	35.174	3.00	23.935	3.25	13.038	3.5	1.391	3.75	0.414
4.00	0.062								

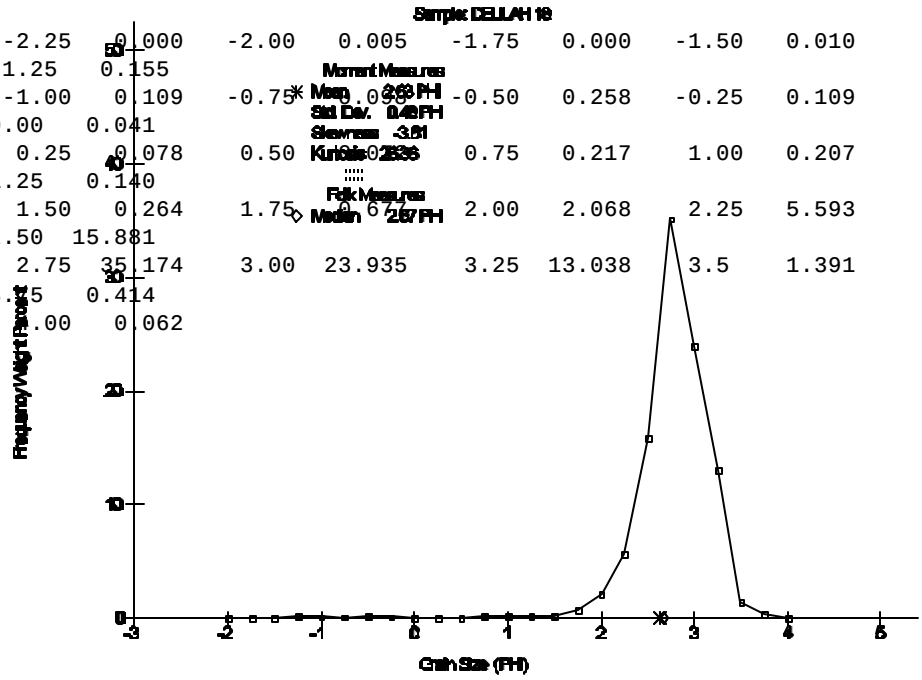


Figure C19. Grain size distribution for sediment sample 18, 15 October 1990

DELILAH Sediment Sample - 19

Location: Longshore = 1005.82 m, Cross-shore = 979.55 m, Depth = -8.27 m

SIZE CLASSIFICATION:	Gravel		Sand		Silt	Clay
(By Weight Percent)		Coarse	Medium	Fine		
Wentworth	0.04	0.26	0.30	98.19	1.21	0.00
Unified	0.00	0.04	0.28	96.47	3.21	0.00

STANDARD STATISTICS:	Method of Moments	Folk Graphic Measures
Grain Size		
Median Diameter		3.00 phi 0.125 mm
Mean Diameter	3.01 phi	3.01 phi 0.124 mm
Standard Deviation	0.39 phi	0.32 phi
Skewness	-1.88	0.10
Kurtosis	25.50	1.21

Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)	Diam. (phi)	Weight (%)
-2.25	0.000	-2.00	0.024	-1.75	0.010	-1.50	0.000	-1.25	0.000
-1.00	0.005	-0.75	0.082	-0.50	0.005	-0.25	0.005	0.00	0.014
0.25	0.043	0.50	0.043	0.75	0.019	1.00	0.048	1.25	0.019
1.50	0.029	1.75	0.037	2.00	0.169	2.25	0.700	2.50	2.825
2.75	13.769	3.00	32.121	3.25	31.822	3.5	9.123	3.75	5.829
4.00	1.999	4.25	1.207						

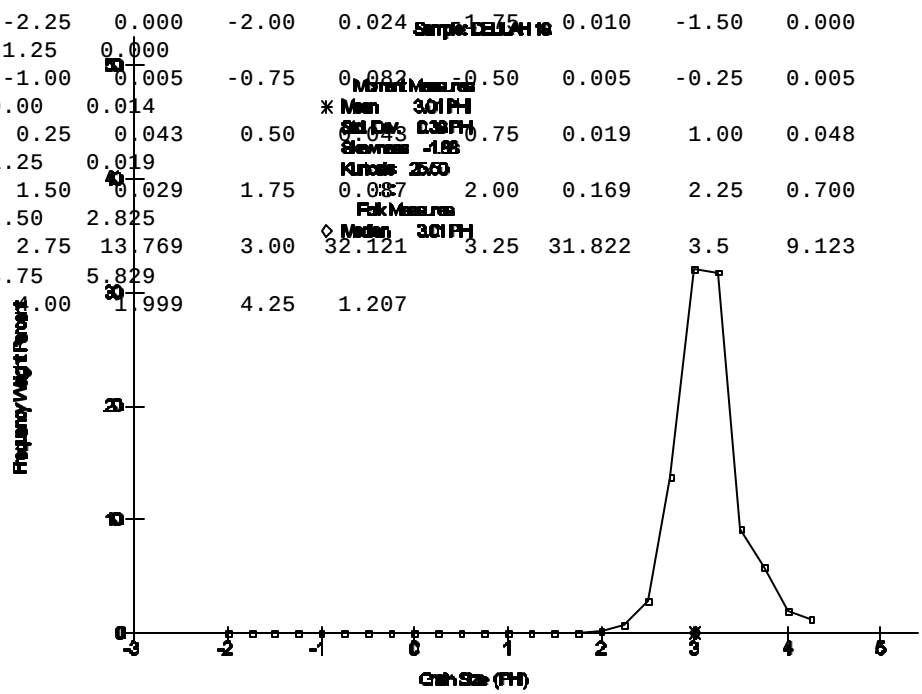


Figure C20. Grain size distribution for sediment sample 19, 15 October 1990