



Prepared in cooperation with the Bureau of Ocean Energy Management

2014 Seafloor Sediment Analysis and Mapping - Southern Maine

By Kerby Dobbs, Contractor to the Maine Coastal Program

Disclaimer

This report is preliminary, but data and information published herein are accurate to the best of our knowledge. Data synthesis, summaries and related conclusions may be subject to change as additional data are collected and evaluated. While the Maine Coastal Program makes every effort to provide useful and accurate information, investigations are site-specific and applicability of results to other regions in the state is not yet warranted. The Maine Coastal program does not endorse conclusions based on subsequent use of the data by individuals not under their employment. The Maine Coastal Program disclaims any liability, incurred as a consequence, directly or indirectly, resulting from the use and application of any of the data and reports produced by staff. Any use of trade names is for descriptive purposes only and does not imply endorsement by The State of Maine.

For an overview of the Maine Coastal Mapping Initiative (MCMI) information products, including maps, data, imagery, and reports visit

<http://www.maine.gov/dacf/mcp/planning/mcmi/index.htm>.

Acknowledgements

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ABSTRACT

One goal of the Maine Coastal Program's cooperative agreement with the Bureau of Ocean Energy was to characterize offshore sediment deposits in order to identify potential sand resources that may be used for beach nourishment in the event of an erosional storm. In 2014, the Maine Coastal Mapping Initiative collected 28 sediment samples in the federal portion of the focus area located offshore of Kennebunkport in Southern Maine, though 49 additional samples were collected nearer to shore. Samples were processed to determine the relative concentrations of gravel, sand, and mud (Folk 1954), and the sand fraction was further analyzed to determine the degree of sorting and the distribution of grain sizes within the fraction (Wentworth 1922). Additionally, sediment color (Munsell, 1923) was also determined to further explore the potential compatibility of nourishing existing beaches with sediment dredged from offshore deposits. Although sand was more abundant closer to shore, 16 out of the 28 samples collected in federal waters contained >50% sand (mean sand composition of all samples = $46.3\% \pm 22.4\%$). Prior to sediment dredging for beach nourishment purposes, more extensive coring and/or sub-bottom profiling would need to be conducted to estimate the volumes of these sediment deposits. In addition, these data are a critical component of benthic habitat classification and modeling performed by MCMI (see Ozmon, 2016). Overall, these data have a variety of applications and are an invaluable resource to public and private agencies who wish to more effectively manage and understand coastal and marine resources.

Introduction

Sustainable management and extraction of Maine's coastal and marine resources are necessary to ensure effective coastal resiliency and conservation efforts. The collection and analysis of geophysical and seafloor sediment data allow state and federal agencies to proactively identify the resources available to enhance resiliency, improve management of resources within their jurisdiction, and develop a more comprehensive understanding of potential resources. A key component of coastal resiliency and conservation efforts is access to quality nearshore and offshore sand and gravel resources. However, quantitative assessments for many of these resources have been conducted in mostly state waters (e.g. Kelley et al., 1997a, b). Recently, the Bureau of Ocean Energy Management (BOEM) has recognized the need to identify additional outer continental shelf (OCS) sand resources for beach nourishment and coastal restoration projects because sand resources in state waters are either diminishing or are of poor quality, or otherwise unavailable (U.S. Department of the Interior, 2014). The goals of this investigation are to describe and characterize marine sediment samples in the coverage area approximately 3-8 nm offshore of Kennebunkport, ME, to enable benthic habitat classification via the federally-approved Coastal and Marine Ecological Classification Standard (CMECS; FGDC, 2012), identify potential sediment resources for beach nourishment as outlined by BOEM, and investigate the relationship between sediment grain size and multibeam backscatter intensity to refine interpretations of seafloor sediment distribution across mapped areas.

Objectives

- Identify and map seafloor sand resources in the North Atlantic OCS focus areas established in the Maine Coastal Program's (MCP) cooperative agreement with BOEM
- Investigate the relationship between sediment grain size and multibeam backscatter intensity to map seafloor sediment types
- Characterize sediment grain size distributions and sorting to support benthic habitat classification

Focus Area

The 2014 focus area was chosen outside of Wells Embayment, where fluvial sand deposits from the discharge of the Little, Mousam, and Kennebunk Rivers were expected to have occurred due to the glacial history of the area (Figure 1). Kelley et al. (1987) documented sand deposits in the region nearshore and observed gravel bands in between the sandy and rocky zones. Existing literature also indicates that mixed gravel and sand substrates are common in Maine's coastal regions where water depth does not exceed 50 m (Kelley et al. 1987).

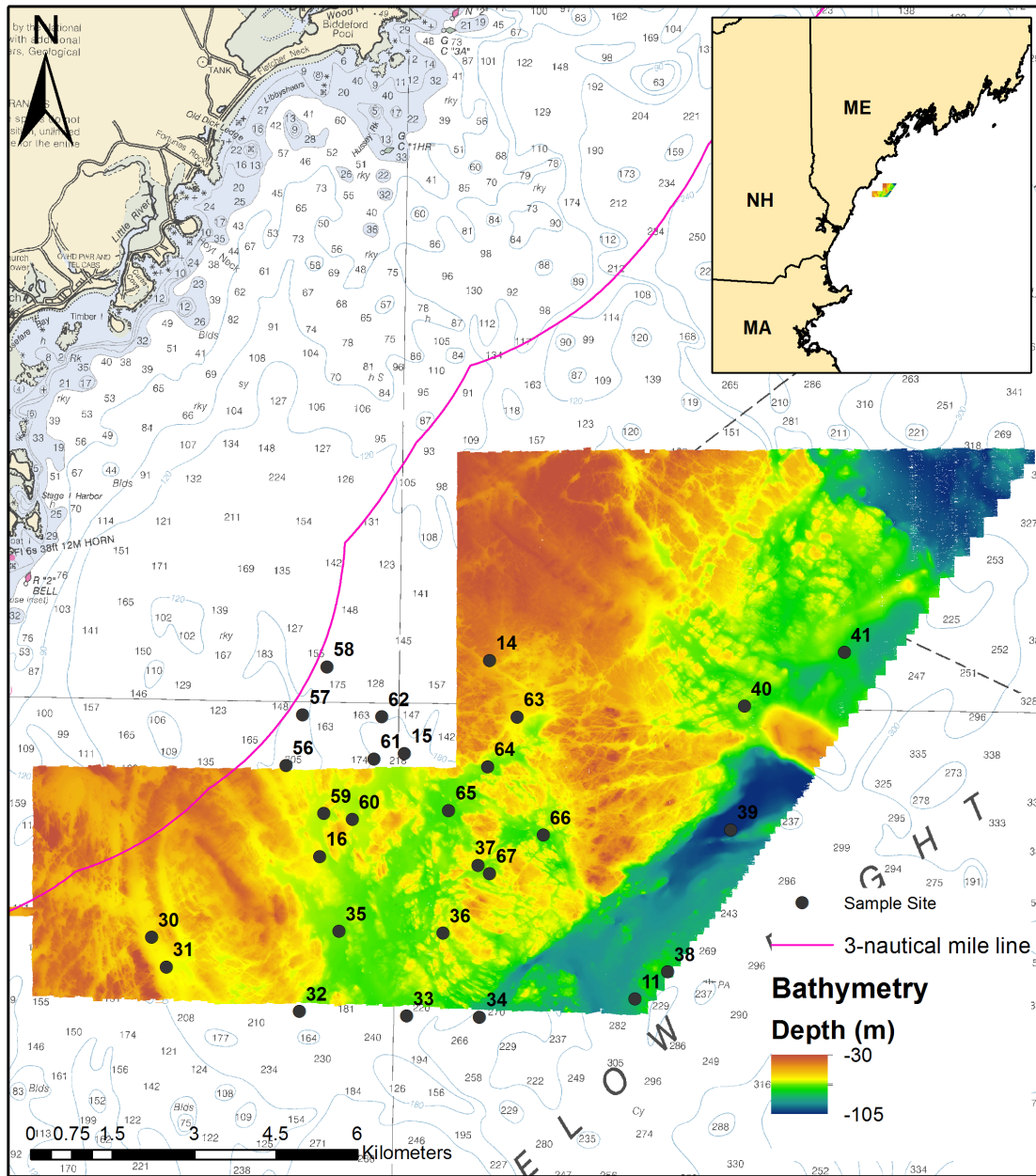


Figure 1. MCFI 2014 survey area bathymetry and grab sample sites (black circles with sample ID number) relative to 3-nautical mile line (state-federal jurisdiction boundary).

Methods

In the BOEM focus area, grab sample locations were selected in areas where preliminary analyses of multibeam echosounder (MBES) backscatter intensity data suggested the presence of a predominantly sandy and/or gravelly seafloor. Although a variety of environmental, geometric, and other external factors must be considered when interpreting backscatter data, the signal has been shown to directly relate to unconsolidated sediment grain size and seafloor roughness (Lurton and Lamarche, 2015), which makes this technique desirable for the purposes

of this investigation. In addition to interpretations of MBES backscatter and depth data, the decisions to sample in areas immediately adjacent to the coverage area were influenced by a review of navigational chart bathymetry and existing literature that pertained to the seafloor geology (e.g. Barnhardt et al., 1997; 1998; and Kelley et al., 1997; 1998) of the focus area.

The bottom sampler used was a clamshell style 9 x 9" Ponar grab sampler. Immediately upon retrieval, the sediment surface was partitioned into two subsamples; a minimum of 1000 cm³ was set aside for grain-size analysis and the remainder was sieved for infaunal analysis (for details, see Ozmon, 2015). Sediment subsamples were then bagged, labeled, and stored in coolers before and during transport to the sedimentology laboratory at the University of Maine (UMaine).

At each location where the sampler returned empty after three attempts a hard substrate (e.g. bedrock, boulders, etc.) was inferred. The x and y coordinates (WGS84, UTM Zone 19N meters; GPS horizontal accuracy at surface ± 3 m) of each attempt were logged to account for vessel drift in between sampling attempts. Coordinates were not recorded until the sampler reached bottom and when the wench tether was visually confirmed to have a vertical/near-vertical orientation relative to a flat sea surface. The depth for each location was determined in real time using a hull-mounted single-beam fathometer and was not referenced to a specific vertical datum (e.g. MLLW). Thus, the vertical uncertainty associated with depths recorded for each site may be as much as the typical tidal range in the focus area (approximately 3 m).

Sediment samples were analyzed using standard laboratory techniques for the textural analyses. Sieve methods were used to determine the proportion of gravel-, sand-, and mud-sized particles to classify the overall sample using Folk classification scheme (Folk 1954; Figure 2 and Table 1). Grain-size statistical parameters were calculated by graphical and moment methods for the sand-sized portion of samples that contained greater than 20% sand-sized particles (Wentworth, 1922). This process was automated for samples processed at UMaine using a Rapid Sediment Analyzer settling tube. The remainder of each bulk sample was preserved for archiving at MCP in Augusta, ME.

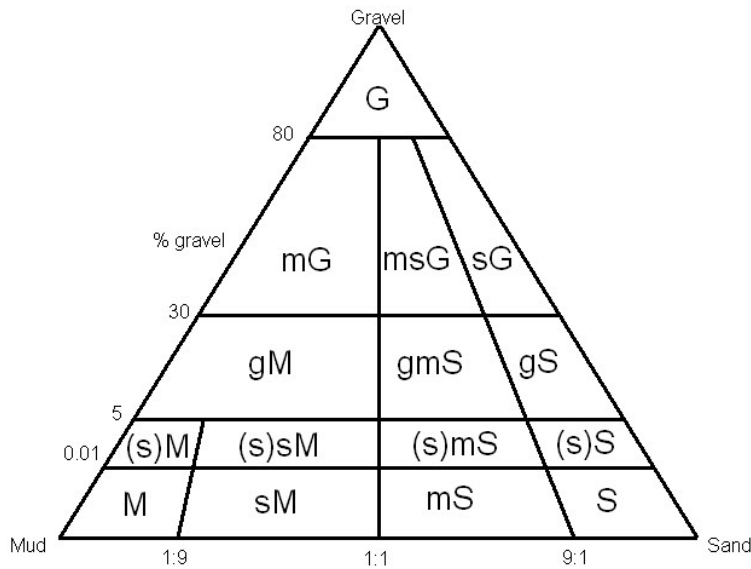


Figure 2. Sediment classification ternary diagram. Uppercase letters indicate predominant size component (m, = mud, s = sand, g = gravel, (s) = slightly gravelly). From Folk, 1954.

Table 1. Ternary diagram from Figure 3 modified from Folk (1954) to include classification R (rock or boulders) in table format.

Folk Code	Description	% gravel	Sand:Mud
R	Rock or Boulders	-	-
G	Gravel	80-100	-
sG	Sandy gravel	30-80	> 9:1
msG	Muddy sandy gravel	30-80	1:1 – 9:1
mG	Muddy gravel	30-80	< 1:1
gS	Gravelly sand	5-30	> 9:1
gmS	Gravelly muddy sand	5-30	1:1 – 9:1
gM	Gravelly mud	5-30	< 1:1
(s)S	Slightly gravelly sand	0.01-5	> 9:1
(s)mS	Slightly gravelly muddy sand	0.01-5	1:1 – 9:1
(s)sM	Slightly gravelly sandy mud	0.01-5	1:9 – 1:1
(s)M	Slightly gravelly mud	0.01-5	< 1:9
S	Sand	0-0.01	> 9:1
mS	Muddy Sand	0-0.01	1:1 – 9:1
sM	Sandy Mud	0-0.01	1:9 – 1:1
M	Mud	0-0.01	< 1:9

Results

Between May and November 2014, a total of 28 samples were collected in federal waters within and adjacent to the approximately 40 mi² (107 km²) survey area. Table 2 contains a summary of sample depth and grain size analyses.

Table 2. Summary of sediment sample depth and grain size analyses.

Sample ID	Depth ¹ (m)	Gravel (%)	Sand (%)	Mud (%)	S:M	Folk (1954)	Sand-sized Fraction Wentworth (1922)
K0011	87.2	52.43	7.01	40.56	0.17	mG	med. sand, poorly sorted
K0014	54.0	58.53	29.59	11.88	2.49	sG	coarse sand, well sorted
K0015	68.4	0.24	67.60	32.16	2.10	mS	fine sand mod. well sorted
K0016	65.6	0.92	55.88	43.20	1.29	mS	fine sand, mod. well sorted
K0030	61.0	6.20	62.36	31.44	1.98	mS	med. sand, mod. sorted
K0031	60.8	1.26	56.74	42.00	1.35	mS	fine sand, mod. well sorted
K0032	71.5	0.53	60.14	39.33	1.53	mS	fine sand, mod. sorted
K0033	74.0	8.13	64.80	27.07	2.39	mS	med. sand poorly sorted
K0034	85.5	3.28	35.71	61.01	0.59	sM	fine sand, mod. sorted
K0035	72.9	0.53	67.93	31.54	2.15	mS	fine sand, poorly sorted
K0036	70.0	90.36	0.42	9.22	0.05	G	-
K0037	71.0	45.96	36.70	17.35	2.12	msG	coarse sand, mod. sorted
K0038	82.0	55.45	11.80	32.75	0.36	mG	med. sand, poorly sorted
K0039	102.0	0.50	28.71	70.79	0.41	sM	fine sand, poorly sorted
K0040	73.0	28.72	44.28	27.00	1.64	gmS	med. sand, mod. sorted
K0041	77.3	2.75	61.84	35.42	1.75	mS	fine sand, mod. sorted
K0056	64.5	0.81	63.15	36.04	1.75	mS	fine sand, mod. sorted
K0057	62.8	33.51	40.79	25.70	1.59	gmS	coarse sand, mod. sorted
K0058	55.2	47.60	32.38	20.02	1.62	msG	coarse sand, mod. sorted
K0059	66.5	8.06	50.84	41.10	1.24	mS	med. sand, poorly sorted
K0060	66.0	6.96	73.59	19.45	3.78	mS	fine sand, mod. sorted
K0061	65.4	4.13	59.95	35.92	1.67	mS	med. sand poorly sorted
K0062	57.8	16.75	45.50	37.75	1.21	gmS	coarse sand, mod. sorted
K0063	60.8	4.92	73.24	21.84	3.35	mS	med. sand, mod. well sorted
K0064	70.4	39.44	32.05	28.52	1.12	msG	fine sand, mod. well sorted
K0065	72.7	4.31	56.85	38.84	1.46	mS	fine sand, mod. sorted
K0066	74.4	10.93	56.93	32.15	1.77	gmS	med. sand, mod. sorted
K0067	71.5	5.23	69.27	25.50	2.72	mS	med. sand, mod. sorted

¹Depth measurements were recorded in real time and may differ from multibeam bathymetry data by ± 3 m (i.e. the expected tidal range within the coverage area).

Appendix A contains additional data such as coordinates and Munsell colors for each sample. Table 3 illustrates the distribution of samples based on 10-m depth intervals. All samples were collected at depths ranging from 54 to 102 m but were mostly concentrated between 60 to 80 m. No samples were collected at depths less than 50 m or greater than 102 m, which generally reflects the lack of extensive unconsolidated substrate at depths less than 50 m, the general absence of depths less than 50 m in the survey area, and the scarcity of predominantly sandy material at depths greater than 80 m in federal waters within the survey area. A total of 16 samples were predominantly (>50% by weight) sand, 4 predominantly gravel, and 2 predominantly mud. The six remaining samples contained a mixture of all three size-fractions that were < 50% by weight.

Table 4 contains a summary of the distribution among samples based on grain-size analyses using the Folk (1954) classification system modified to include rocky/bouldery (R) substrates as well as unknown substrates. The backscatter map in Figure 3 illustrates the results shown in Table 4, where samples are colored based on Folk (1954) classification and the darkest shades of gray generally represent fine-grained, muddy sediments (e.g. mostly silt and clay), lighter shades represent progressively coarser material (e.g. sand and gravel); the lightest shades (e.g. white) represent bare rock. Although these conventions are useful for gross interpretations of sediment composition/distribution, there are many variables that can affect the backscatter intensity for a given substrate (e.g. beam angle incidence, slope, roughness, water content, biota, variations within water column, etc.; Lurton and Lamarche, 2015).

Table 3. Summary of sample depth distribution.

Depth (m)	Number of Samples
<50	0
50-59.99	3
60-69.99	10
70-79.99	11
80-89.99	3
>90	1

The sand-sized fraction of these samples were most frequently composed of fine or medium sand (graphic mean) and were commonly moderately or poorly sorted (Table 5; Appendix B). One sample, K0036 contained much less than the required 20%% sand-sized material and thus was not assigned a Wentworth classification (Appendix B).

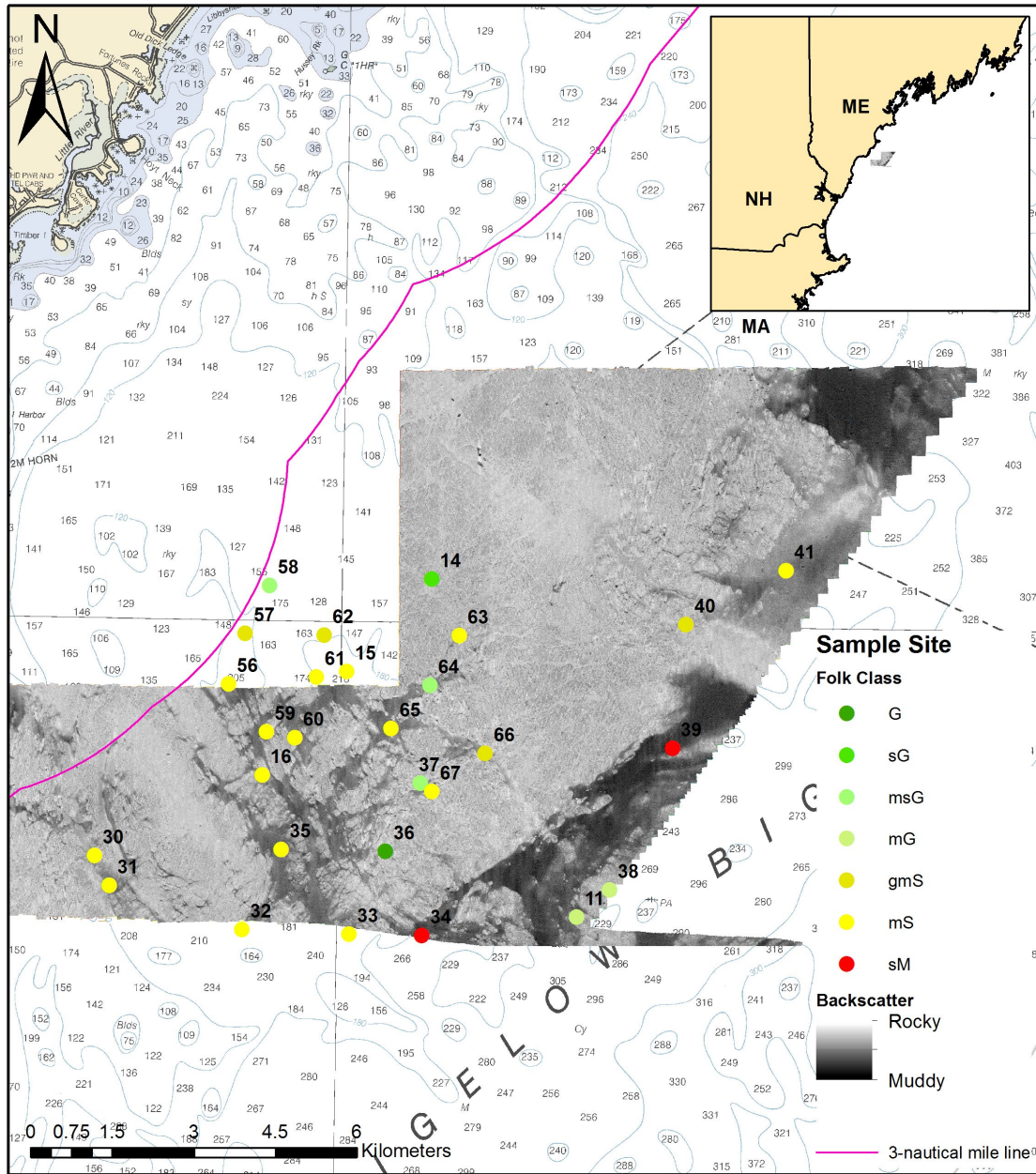


Figure 3. Sample sites colored (circles) based on Folk (1954) classification overlain with backscatter intensity, where darker colors indicate the presence of softer sediments, such as mud or clay, and lighter colors indicate the presence of harder substrates, such as bedrock or boulders.

Table 4. Summary of sample distribution based on modified Folk (1954).

Folk Code ID	Folk Class.	# of Samples
1	R	0
2	G	1
3	sG	1
4	msG	3
5	mG	2
6	gS	0
7	gmS	4
8	gM	0
9	(s)S	0
10	(s)mS	0
11	(s)sM	0
12	(s)M	0
13	S	0
14	mS	15
15	sM	2
16	M	0
17	Unknown	0

Table 5. Summary of graphic mean and sorting for sand-sized portion of qualifying samples.

Graphic Mean Size	# of Samples
V. Coarse Sand	0
Coarse Sand	5
Med. Sand	11
Fine Sand	11
V. Fine Sand	0
Sorting (graphic std. dev.)	# of Samples
V. Well Sorted	0
Well Sorted	3
Mod. Well Sorted	3
Mod. Sorted	14
Poorly Sorted	7

Discussion

The distribution of sediment types was consistent with existing interpretations of seafloor morphology within and adjacent to the focus area (e.g. Barnhardt et al., 1997; 1998 and Kelley, et al., 1997a, b). The majority of seafloor within the survey area consisted of rocky outcrops at less than 60 m depth (Fig. 4). The occurrences of sandy surficial deposits at depths less than 60 m were limited to discontinuous, shallow valleys in the highly-fractured bedrock. Although numerous, these deposits were spatially discontinuous and presumably thin. Limited grain-size data (e.g. K0014) also suggest that the cleanest (e.g. lack of fine-grained/muddy sediment) sands and gravels within the survey area were present in this type of setting at similar depths. Laterally extensive surficial deposits of predominantly sandy and/or gravelly material within the survey area were scarce and were restricted to the most prominent valleys in between outcrops and at depths ranging from 60 - 75 m. Although the majority of samples from 60 – 75 m depth were predominantly sand (e.g. mS, gmS), a considerable proportion of mud was very common (mean % mud = 32.8). Overall, grain-size data indicate that predominantly fine (e.g. mud) sediments are most common as depth increases beyond approximately 70 m and is a common trend observed along the coast of Maine (e.g. Kelley et al., 1997; Barnhardt et al., 1998).

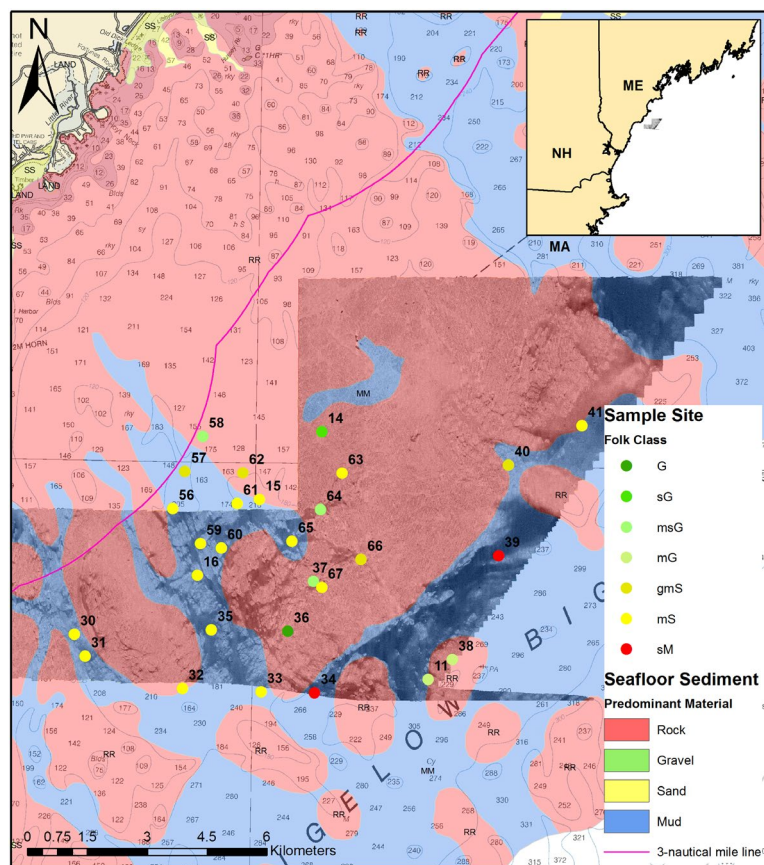


Figure 4. Generalized seafloor sediment map from Barnhardt et al. (1996) showing interpreted extent of seafloor substrates (Barnhardt et al., 1998) and sample site Folk (1954) classification.

BOEM was most interested in sand deposits at depths < 30 m for this investigation. Although the data collected by MCMI suggest that these deposits are mostly absent in the focus area, the sampling and survey data collected in deeper waters allow the characterization of sediment and geographic extent of the unconsolidated sediment in federal waters. In addition, the data collected by MCMI can serve as a resource to refine existing seafloor sediment and bathymetric maps of the region. Once final bathymetry and backscatter data products are generated, MCMI plans to perform in-depth spatial assessments of potential sand deposits at pre-defined depth intervals (e.g. 5 m, 10 m) in federal water within the 2014 coverage area.

Conclusions

During the 2014 survey season, MCMI collected a total of 28 bottom samples within the 40 mi² survey area. Analyses of grain-size, bathymetry, and backscatter data suggest that laterally extensive surficial deposits of predominantly sandy and/or gravelly material within the survey area were scarce and were restricted to the most prominent valleys in between outcrops and at depths ranging from 60 - 75 m. The occurrences of sandy surficial deposits at depths less than 60 m were limited to discontinuous, shallow valleys in the highly-fractured bedrock. Although numerous, these deposits were spatially discontinuous and presumably thin. Overall, data collected by MCMI indicate very low sand and gravel resource potential using traditional methods in the survey area offshore of Southern Maine.

In addition, these data are a critical component of benthic habitat classification and modeling performed by MCMI (see Ozmon, 2016). Overall, these data have a variety of applications and are an invaluable resource to public and private agencies who wish to more effectively manage and understand coastal and marine resources.

References

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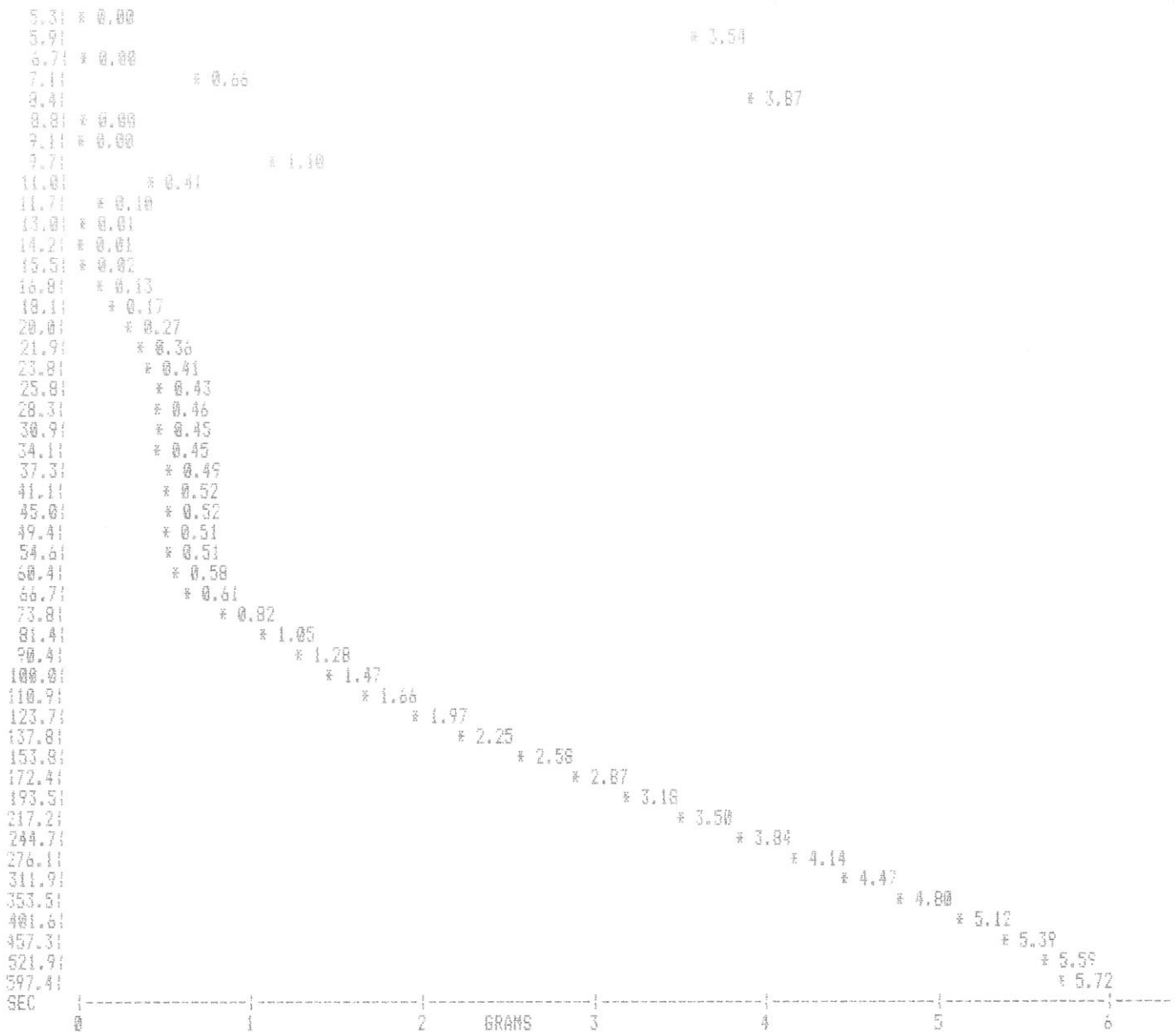
Wentworth, C.K. 1922. A scale of grade and class terms for clastic sediments. *Journal of Geology* 30: 377–392.

Appendix A – Sample Site Coordinates and Munsell Colors

Sample ID	Northing (m)	Easting (m)	Munsell Color (Wet)
K0011	4793249	396247	2.5Y 4/2, dark grayish brown
K0014	4799476	393576	5Y 4/2, olive gray
K0015	4797768	392012	5Y 4/2, olive gray
K0016	4795869	390453	5Y 4/2, olive gray
K0030	4794383	387360	5Y 4/2, olive gray
K0031	4793836	387631	5Y 4/3, olive
K0032	4793022	390078	5Y 4/3, olive
K0033	4792935	392049	5Y 5/3, olive
K0034	4792914	393393	5Y 4/3, olive
K0035	4794495	390803	5Y 4/3, olive
K0036	4794461	392722	gravel
K0037	4795710	393364	5Y 4/3, olive
K0038	4793749	396850	5Y 4/4, olive
K0039	4796360	398011	5Y 4/4, olive
K0040	4798634	398262	5Y 4/4, olive
K0041	4799625	400101	5Y 4/3, olive
K0056	4797547	389835	5Y 4/3, olive
K0057	4798476	390142	5Y 4/4, olive
K0058	4799357	390586	5Y 4/1, dark gray
K0059	4796662	390527	5Y 4/4, olive
K0060	4796550	391052	5Y 4/2, olive gray
K0061	4797666	391451	5Y 4/3, olive
K0062	4798441	391593	5Y 4/3, olive
K0063	4798433	394083	5Y 4/4, olive
K0064	4797521	393541	5Y 4/3, olive
K0065	4796718	392826	5Y 4/3, olive
K0066	4796265	394562	5Y 4/2, olive gray
K0067	4795558	393578	5Y 4/3, olive

Coordinates are listed in projected coordinate systems WGS 84 UTM Zone 19N (meters).

Appendix B – Rapid Sediment Analyzer Raw Data



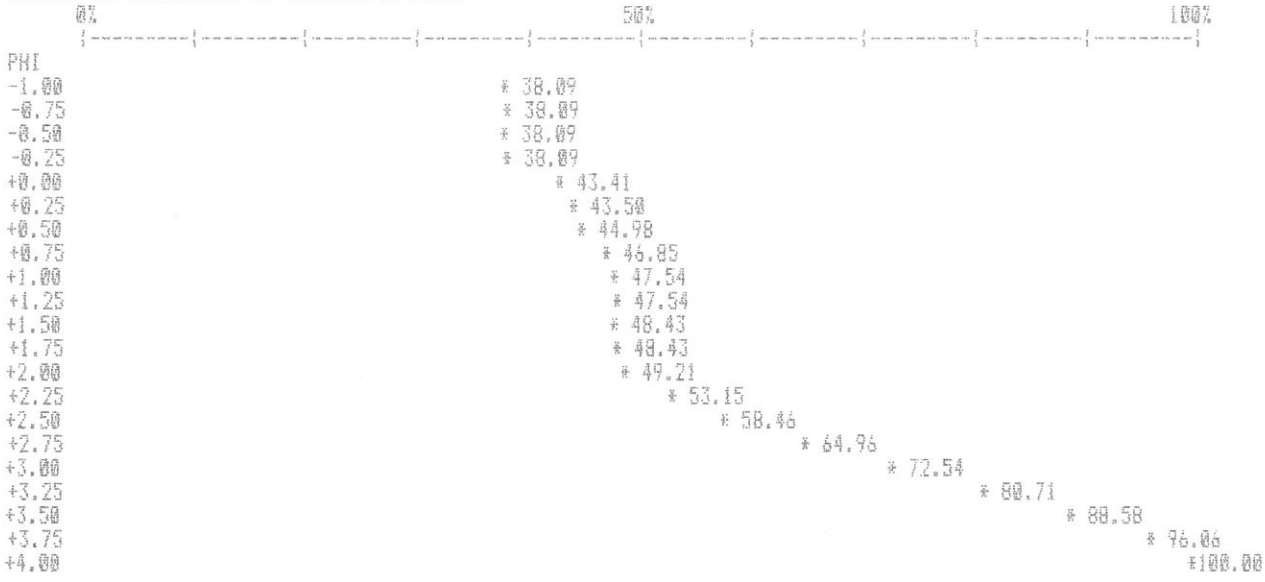
UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0003-SC
 WATER TEMP.: 19

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.22	8.40	3.87
-0.75	8.27	8.40	0.00
-0.50	9.54	9.72	0.00
-0.25	11.07	11.36	0.00
0.00	12.94	12.96	0.54
0.25	15.24	15.54	0.01
0.50	18.08	18.07	0.15
0.75	21.63	21.91	0.19
1.00	26.12	26.41	0.07
1.25	31.85	32.18	0.00
1.50	39.25	39.87	0.09
1.75	48.93	49.43	0.00
2.00	61.74	62.23	0.08
2.25	78.92	78.92	0.48
2.50	102.23	102.60	0.54
2.75	134.19	134.62	0.66
3.00	178.42	178.78	0.77
3.25	240.09	240.24	0.83
3.50	326.51	326.64	0.80
3.75	448.08	448.30	0.76
4.00	619.49	619.83	0.48

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 10.1600

K0003-SC page 2 of 3

04-01-2005
 SAMPLE NUMBER: K0003-SC
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = -1.2172
 PHI 16.0000% = -1.1450
 PHI 25.0000% = -1.0859
 PHI 50.0000% = 2.0500
 PHI 75.0000% = 3.0753
 PHI 84.0000% = 3.3545
 PHI 95.0000% = 3.7145

MODE= -1.0000 PHI 38.0905 CUM WT%
 MODE= -0.5000 PHI 38.0905 CUM WT%
 MODE= 0.0000 PHI 43.4055 CUM WT%
 MODE= 0.7500 PHI 46.8504 CUM WT%
 MODE= 1.5000 PHI 48.4252 CUM WT%
 MODE= 3.2500 PHI 80.7087 CUM WT%

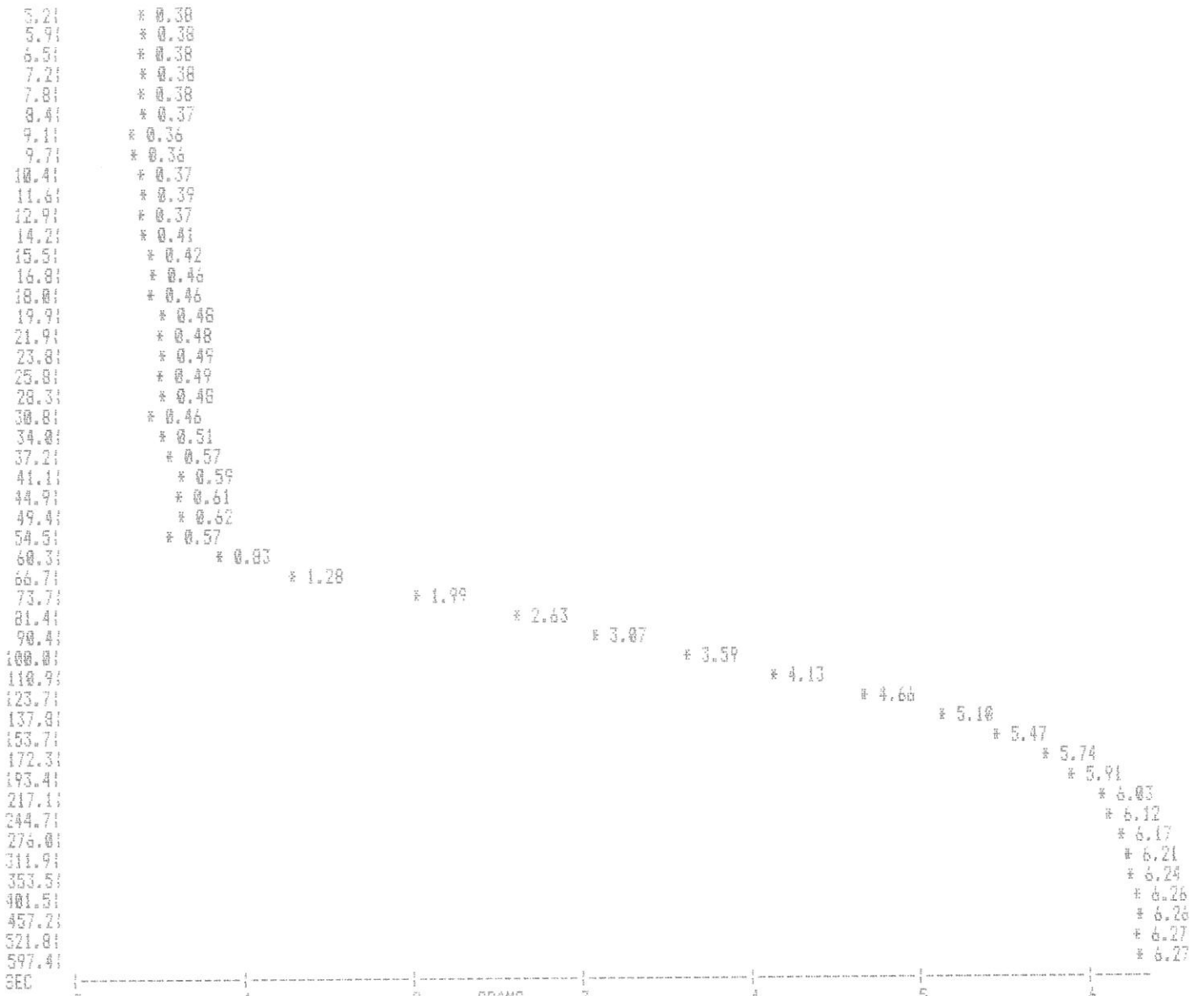
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.4198 : MEDIUM SAND
 INCL GRAPH STD DEV: 1.8721 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.3726 : STRONGLY COARSE SKEWED
 GRAPHIC KURTOSIS: 0.4857 : VERY PLATYKURTIC
 NORMALIZED KURTOSIS: 0.3269

1. CALCULATING THE CHARACTERISTICS OF THE METHOD OF REGRESSION

MEAN X= 1.2832
VARIANCE= 4.0210
SKEWNESS= -0.0673
STD DEVIATION= 2.0052
KURTOSIS= 1.2156

K0003-SC page 3 of 3

K0007-SA page 1 of 2



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0007-SA

WATER TEMP.: 21.5

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.19	0.38
-0.75	8.24	8.45	0.00
-0.50	9.50	9.72	0.00
-0.25	11.02	11.04	0.02
0.00	12.86	12.90	0.00
0.25	15.12	15.48	0.05
0.50	17.92	18.01	0.04
0.75	21.40	21.86	0.02
1.00	25.78	25.76	0.01
1.25	31.36	31.52	0.00
1.50	38.53	38.55	0.11
1.75	47.88	48.11	0.05
2.00	60.19	60.30	0.21
2.25	76.63	76.95	1.45
2.50	98.84	99.36	1.28
2.75	129.18	129.40	1.30
3.00	171.06	171.03	0.86

3.50	316.77	311.26	0.13
3.75	425.25	425.03	0.05
4.00	586.55	587.15	0.01
TOTAL IMMERSED WEIGHT: 6.060606			
CUM. TOT. WEIGHT: 6.3300			
PERCENT WEIGHT ERROR: 4.4450			

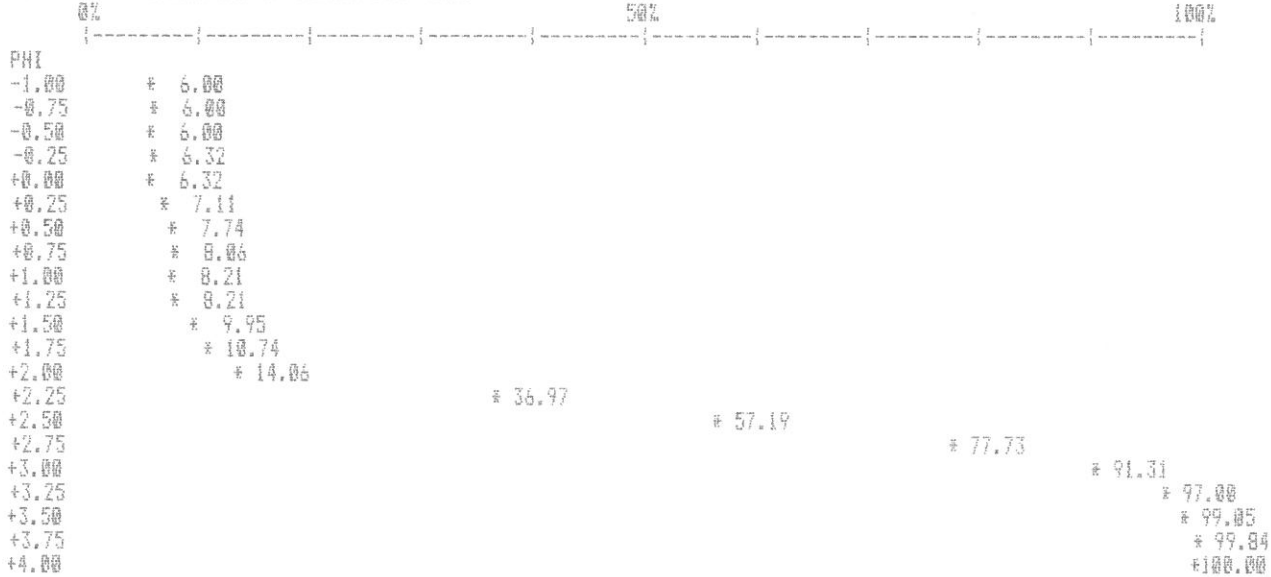
K0007-SA page 2 of 2

04-01-2005

SAMPLE NUMBER: K0007-SA

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	-1.0418
PHI	16.0000%	=	2.0212
PHI	25.0000%	=	2.1194
PHI	50.0000%	=	2.4111
PHI	75.0000%	=	2.7160
PHI	84.0000%	=	2.8655
PHI	95.0000%	=	3.1622

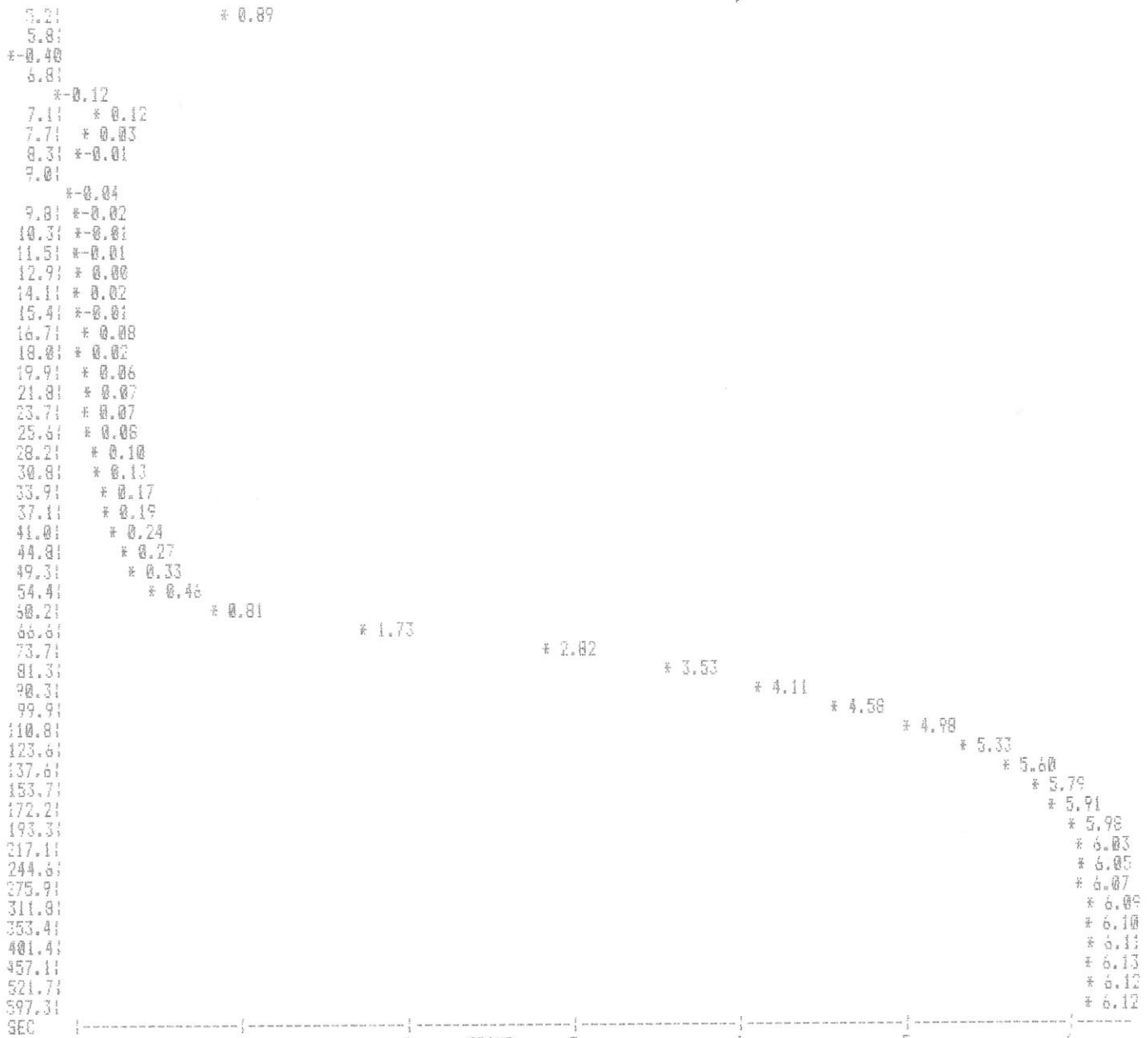
MODE=	-1.0000	PHI	6.0032	CUM WT%
MODE=	-0.2500	PHI	6.3191	CUM WT%
MODE=	0.2500	PHI	7.1070	CUM WT%
MODE=	1.5000	PHI	9.9526	CUM WT%
MODE=	2.2500	PHI	36.9668	CUM WT%
MODE=	2.7500	PHI	77.7251	CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN:	2.4326	:	FINE SAND
INCL GRAPH STD DEV:	0.8480	:	MODERATELY SORTED
INCL GRAPH SKEWNESS:	-0.2832	:	COARSE SKEWED
GRAPHIC KURTOSIS:	2.8839	:	VERY LEPTOKURTIC
NORMALIZED KURTOSIS:	0.7425		

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X=	2.3404
VARIANCE=	0.9720
SKEWNESS=	-2.3751
STD DEVIATION=	0.9859
KURTOSIS=	8.4961



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0006 SB

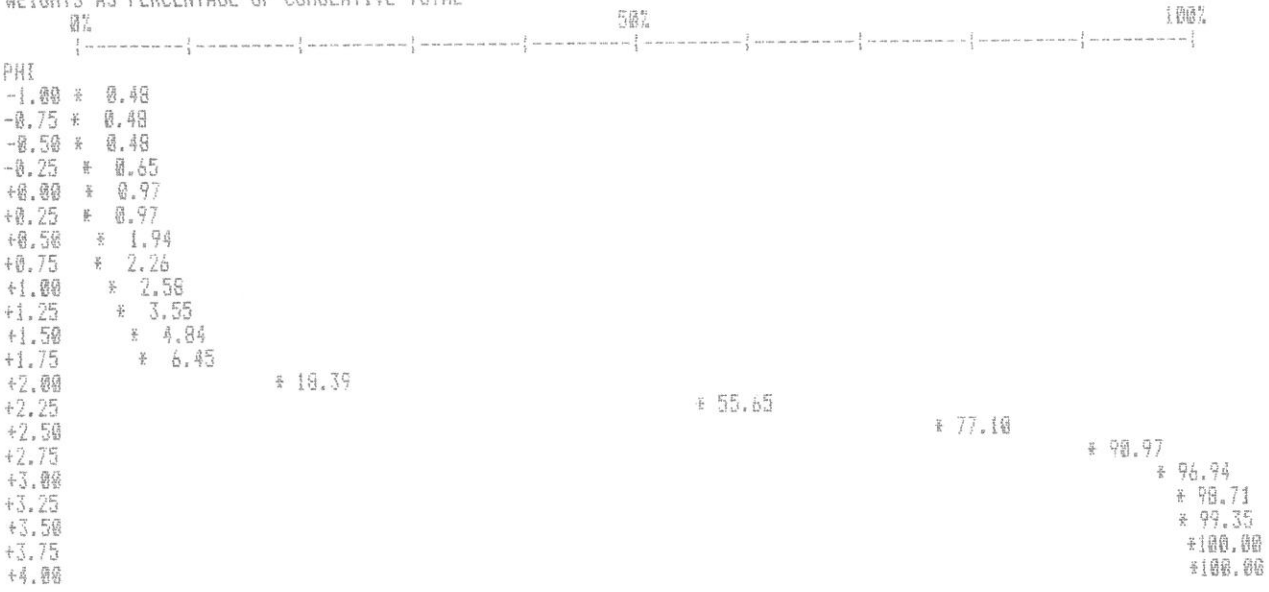
WATER TEMP.: 18.5

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.22	7.74	0.03
-0.75	8.28	8.34	0.00
-0.50	9.55	9.77	0.00
-0.25	11.09	11.53	0.01
0.00	12.96	13.51	0.02
0.25	15.24	15.37	0.00
0.50	18.11	18.61	0.06
0.75	21.68	21.80	0.02
1.00	26.19	26.30	0.02
1.25	31.95	32.02	0.06
1.50	39.40	39.71	0.08
1.75	49.15	49.32	0.10
2.00	62.07	62.12	0.74
2.25	79.40	79.42	2.31
2.50	102.94	103.09	1.33
2.75	135.23	135.72	0.86
3.00	179.96	180.54	0.37
3.25	242.34	242.66	0.11
3.50	329.80	330.32	0.04
3.75	452.04	453.24	0.04
4.00	626.35	626.75	0.00

TOTAL IMMERSED WEIGHT: 6.060606

CUM. TOT. WEIGHT: 6.2000

04-01-2005
SAMPLE NUMBER: K0006 SB
CUMULATIVE CURVE OF DATA
WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

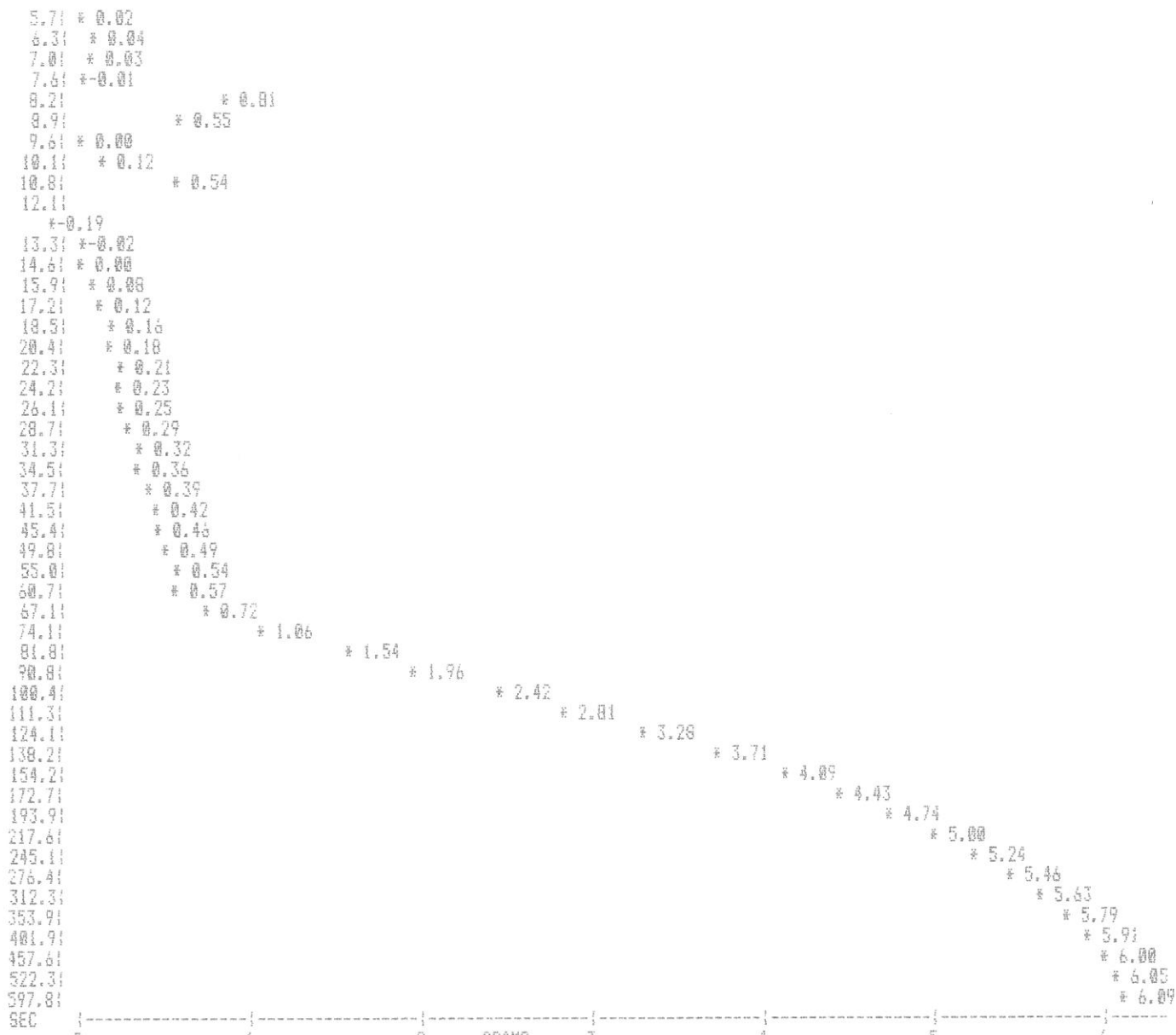


PHI 5.0000% = 1.5250
 PHI 16.0000% = 1.9500
 PHI 25.0000% = 2.0444
 PHI 50.0000% = 2.2121
 PHI 75.0000% = 2.4756
 PHI 84.0000% = 2.6244
 PHI 95.0000% = 2.9189

MODE= -1.0000 PHI 0.4839 CUM WT%
 MODE= 0.0000 PHI 0.9677 CUM WT%
 MODE= 0.5000 PHI 1.9355 CUM WT%
 MODE= 2.2500 PHI 55.6452 CUM WT%
 MODE= 3.7500 PHI 100.0000 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.2622 : FINE SAND
 INCL GRAPH STD DEV: 0.3798 : WELL SORTED
 INCL GRAPH SKEWNESS: 0.1184 : FINE SKEWED
 GRAPHIC KURTOSIS: 1.3249 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5699

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.3431
 VARIANCE= 0.2632
 SKEWNESS= -2.1660
 STD DEVIATION= 0.5130
 KURTOSIS= 14.5143



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0004-SA

WATER TEMP.: 19

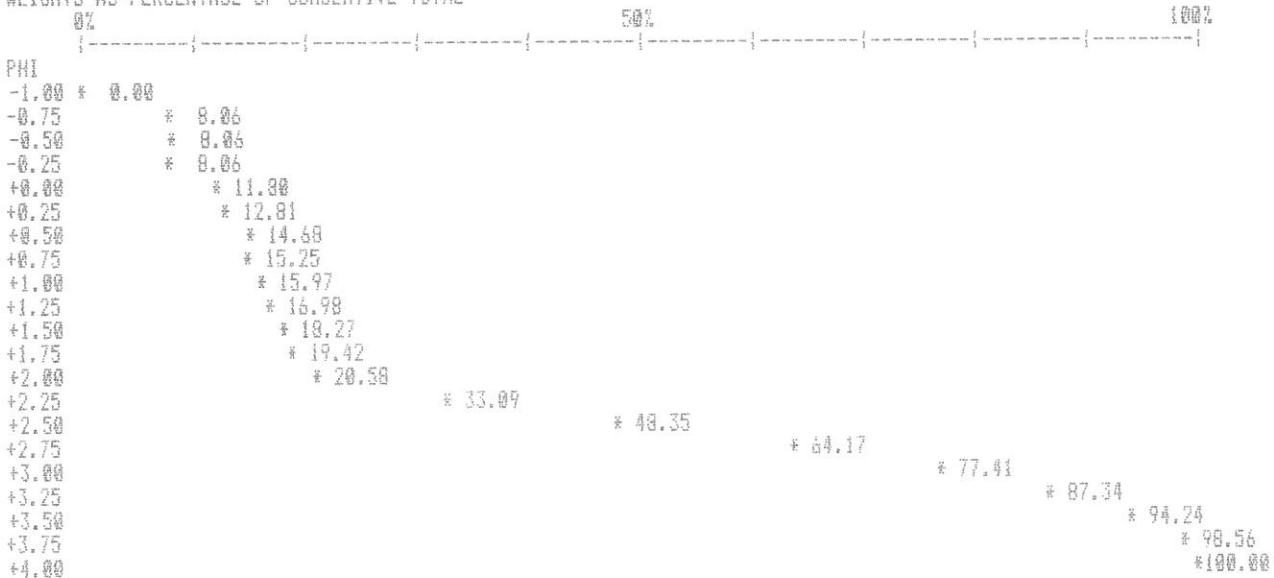
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.22	7.63	0.00
-0.75	8.27	8.89	0.56
-0.50	9.54	9.55	0.00
-0.25	11.07	11.47	0.00
0.00	12.94	13.01	0.26
0.25	15.24	15.26	0.07
0.50	18.00	18.45	0.13
0.75	21.63	21.69	0.04
1.00	26.12	26.14	0.05
1.25	31.85	31.91	0.07
1.50	39.25	39.60	0.09
1.75	48.93	49.21	0.08
2.00	61.74	62.01	0.08
2.25	78.92	79.31	0.87
2.50	102.23	102.32	1.06
2.75	134.19	134.34	1.10
3.00	178.42	178.50	0.92
3.25	240.09	240.62	0.69
3.50	326.51	327.02	0.48
3.75	448.08	448.68	0.38
4.00	619.49	619.61	0.10

TOTAL IMMERSED WEIGHT: 6.060606

PHI TOT WEIGHT: A 9500

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04-01-2005
 SAMPLE NUMBER: K0004-SA
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = -0.8449
 PHI 16.0000% = 1.0071
 PHI 25.0000% = 2.0884
 PHI 50.0000% = 2.5261
 PHI 75.0000% = 2.9545
 PHI 84.0000% = 3.1659
 PHI 95.0000% = 3.5438

MODE= -0.7500 PHI 8.0576 CUM WT%
 MODE= 0.0000 PHI 11.7986 CUM WT%
 MODE= 0.5000 PHI 14.6763 CUM WT%
 MODE= 1.5000 PHI 18.2734 CUM WT%
 MODE= 2.7500 PHI 64.1727 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.2331 : FINE SAND
 INCL GRAPH STD DEV: 1.2046 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.4718 : STRONGLY COARSE SKEWED
 GRAPHIC KURTOSIS: 2.0766 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6750

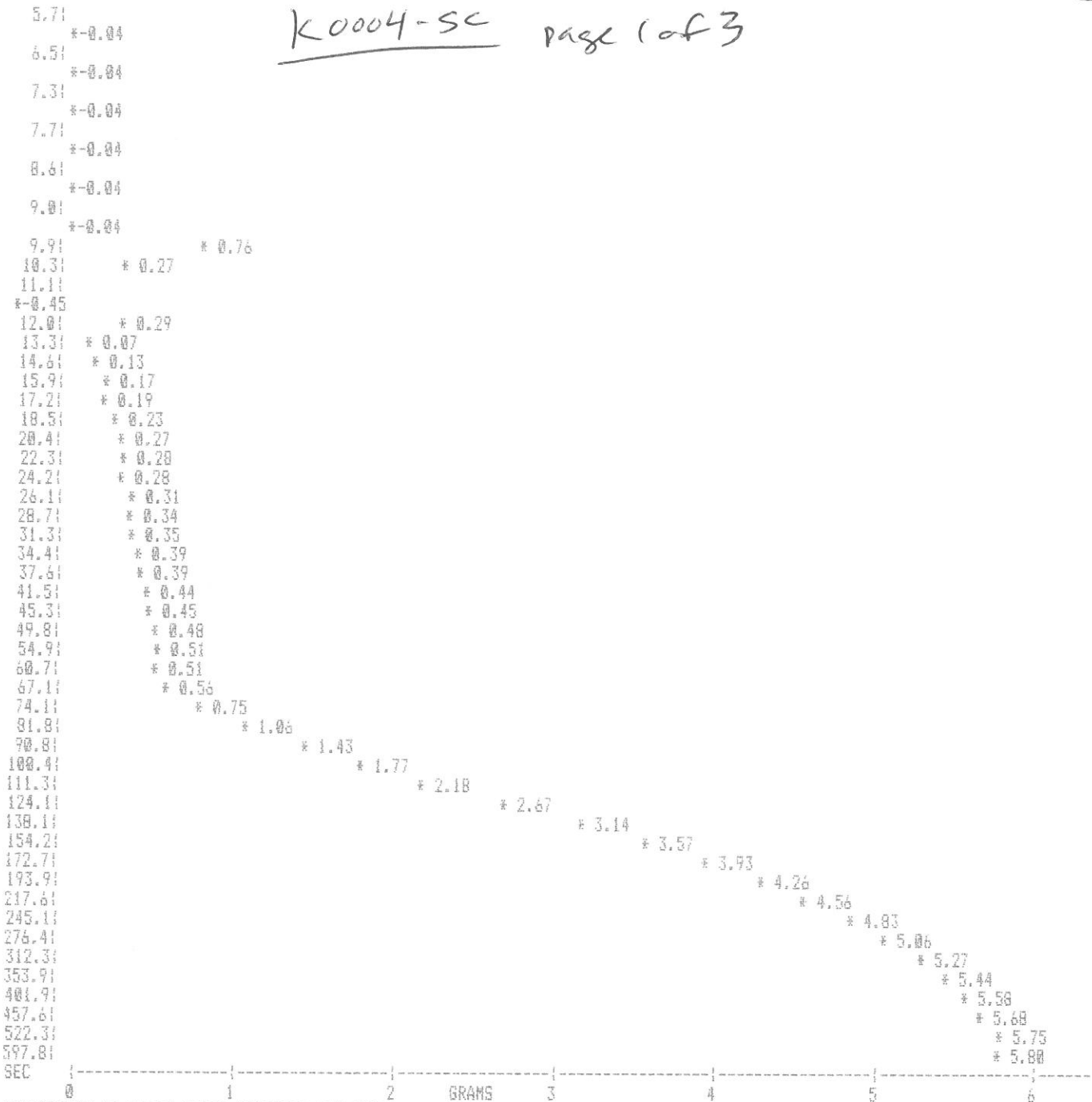
FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MFCN Y= 2 3173

VARIANCE= 1.0247
 SKEWNESS= -1.3843
 STD DEVIATION= 1.2348
 KURTOSIS= 3.9649

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0004-SC

WATER TEMP.: 19

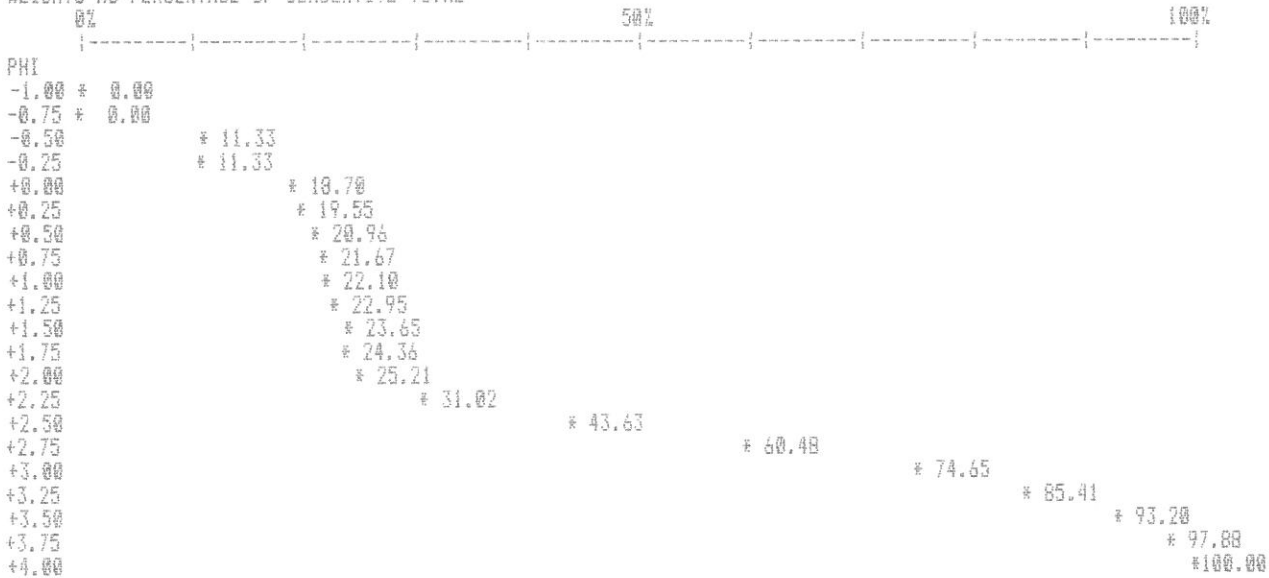
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.22	7.30	0.00
-0.75	8.27	8.56	0.00
-0.50	9.54	9.88	0.00
-0.25	11.07	11.07	0.00
0.00	12.94	13.34	0.52
0.25	15.24	15.26	0.06
0.50	18.08	18.45	0.10
0.75	21.63	21.64	0.05
1.00	26.12	26.14	0.03
1.25	31.05	31.91	0.06
1.50	39.25	39.54	0.05
1.75	48.93	49.21	0.05
2.00	61.74	62.01	0.06
2.25	78.92	79.25	0.41
2.50	102.23	102.32	0.89
2.75	134.19	134.29	1.19
3.00	178.42	178.50	1.00
3.25	240.09	240.57	0.76

3.50	326.51	327.02	0.55
3.75	448.08	448.63	0.33
4.00	619.49	619.55	0.15

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 7.0600
 PERCENT WEIGHT ERROR: 16.4900
 WEIGHT ERROR >5%

K0004-SC page 2 of 3

04-01-2005
 SAMPLE NUMBER: K0004-SC
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = -0.6397
 PHI 16.0000% = -0.0915
 PHI 25.0000% = 1.9375
 PHI 50.0000% = 2.5945
 PHI 75.0000% = 3.0082
 PHI 84.0000% = 3.2172
 PHI 95.0000% = 3.5962

MODE= -0.5000 PHI 11.3314 CUM WT%
 MODE= 0.0000 PHI 18.6969 CUM WT%
 MODE= 0.5000 PHI 20.9632 CUM WT%
 MODE= 1.2500 PHI 22.9462 CUM WT%
 MODE= 2.7500 PHI 60.4816 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN:	1.9067	:	MEDIUM SAND
INCL GRAPH STD DEV:	1.4690	:	POORLY SORTED
INCL GRAPH SKEWNESS:	-0.5753	:	STRONGLY COARSE SKEWED
GRAPHIC KURTOSIS:	1.6214	:	VERY LEPTOKURTIC
NORMALIZED KURTOSIS:	0.6105		

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN Y= 2.2222

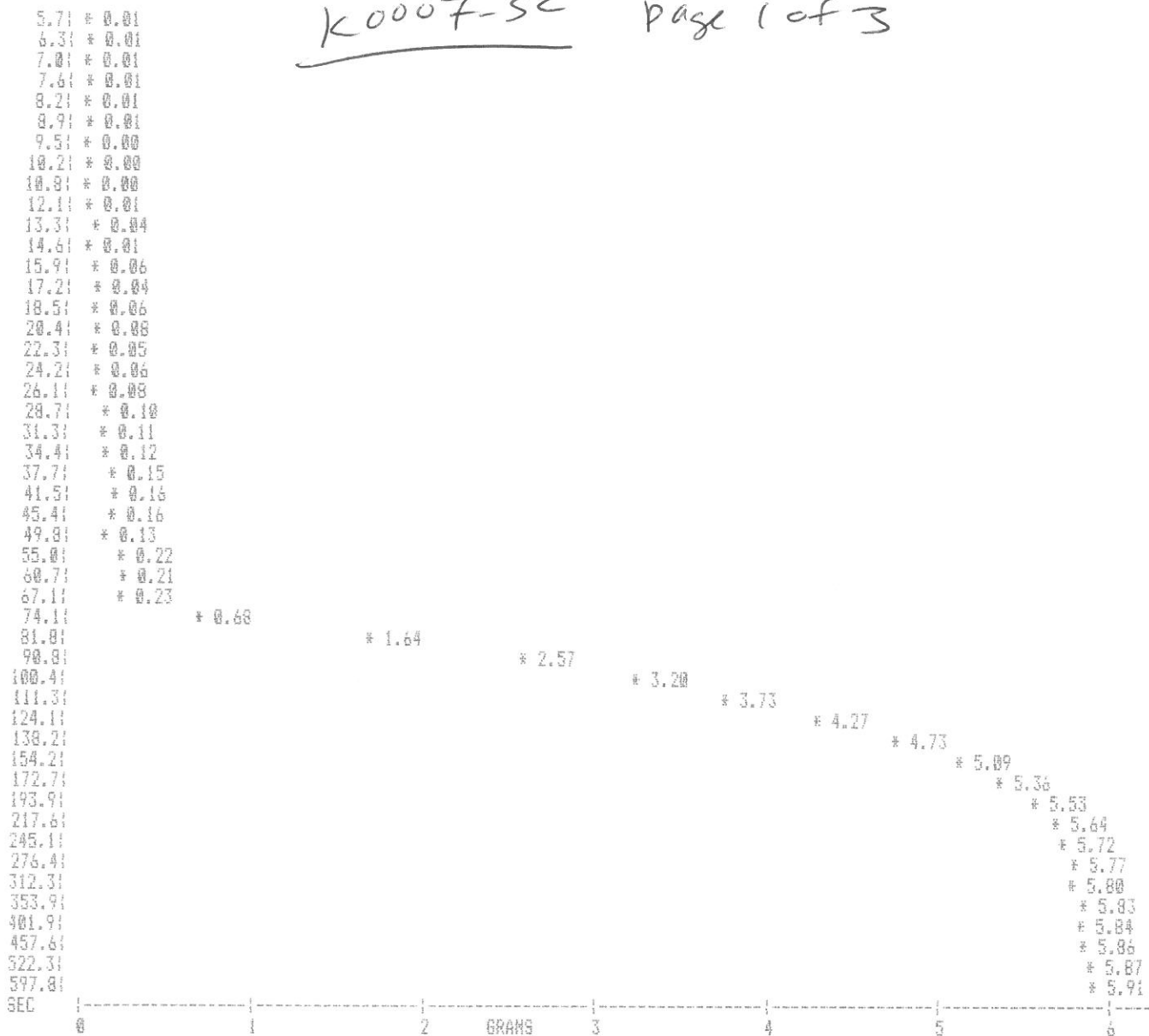


VARIANCE= 1.8734
 SKEWNESS= -1.0360
 STD DEVIATION= 1.3687
 KURTOSIS= 2.6398

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K0007-SC

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0007-SC

WATER TEMP.: 19

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.22	7.63	0.01
-0.75	8.27	8.89	0.00
-0.50	9.54	10.16	0.00
-0.25	11.07	11.42	0.00
0.00	12.94	13.34	0.04
0.25	15.24	15.26	0.00
0.50	18.08	18.45	0.03
0.75	21.63	21.64	0.00
1.00	26.12	26.14	0.03
1.25	31.05	31.96	0.04
1.50	39.25	39.60	0.04
1.75	48.93	49.21	0.00
2.00	61.74	62.01	0.00
2.25	78.92	79.25	1.09
2.50	102.23	102.32	2.01
2.75	134.19	134.34	1.32
3.00	178.42	178.50	0.79
3.25	240.09	240.62	0.30
3.50	326.51	327.02	0.10
3.75	448.08	448.68	0.05
4.00	619.49	619.61	0.08

TOTAL IMMERSSED WEIGHT: 6.060606

CUM. TOT. WEIGHT: 6.0100

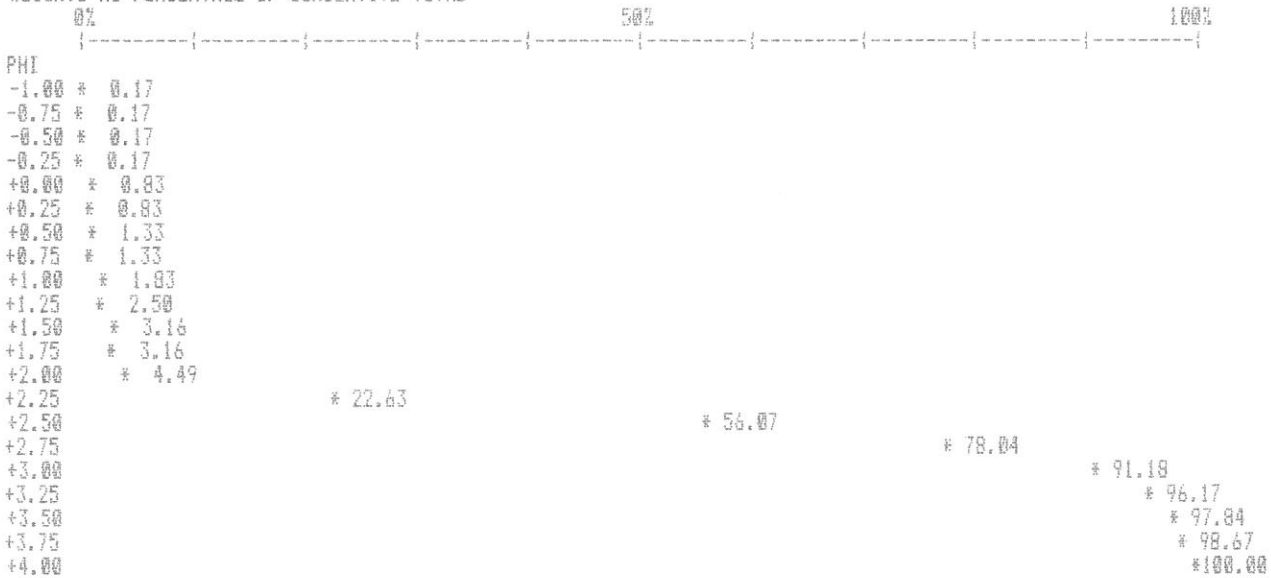
PERCENT WEIGHT ERROR: -0.8350

04-01-2005

SAMPLE NUMBER: K0007-SC

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 2.0070
 PHI 16.0000% = 2.1586
 PHI 25.0000% = 2.2677
 PHI 50.0000% = 2.4546
 PHI 75.0000% = 2.7154
 PHI 84.0000% = 2.8634
 PHI 95.0000% = 3.1913

MODE= -1.0000 PHI 0.1664 CUM WT%
 MODE= -0.5000 PHI 0.1664 CUM WT%
 MODE= 0.0000 PHI 0.8319 CUM WT%
 MODE= 0.5000 PHI 1.3311 CUM WT%
 MODE= 1.2500 PHI 2.4950 CUM WT%
 MODE= 2.5000 PHI 56.0732 CUM WT%

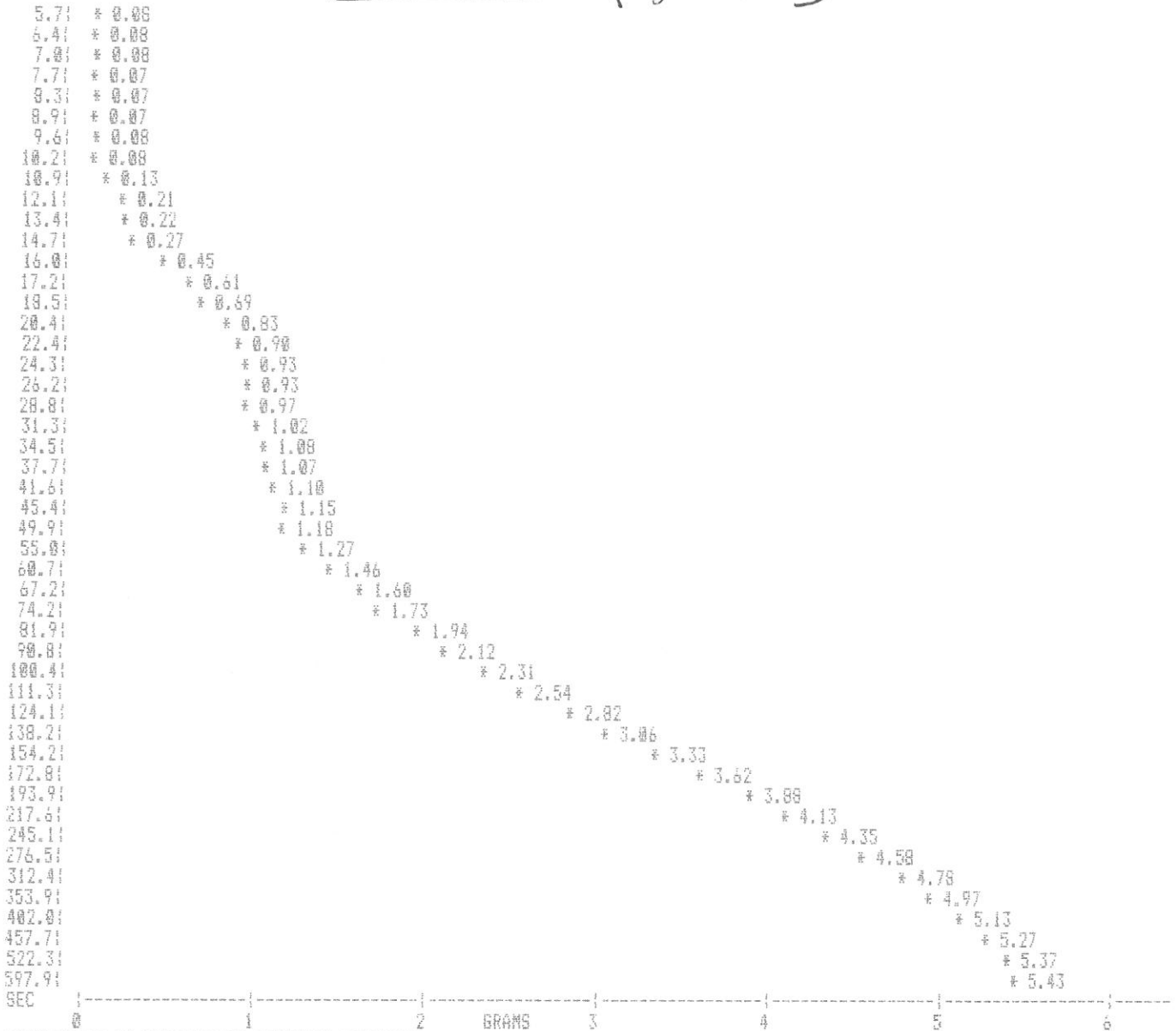
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.4922 : FINE SAND
 INCL GRAPH STD DEV: 0.3556 : WELL SORTED
 INCL GRAPH SKEWNESS: 0.2021 : FINE SKEWED
 GRAPHIC KURTOSIS: 1.0041 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.5202

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X= 2.5982
 VARIANCE= 0.2495
 SKEWNESS= -1.7006
 STD DEVIATION= 0.4995
 KURTOSIS= 13.4470

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K0002-SB page 1 of 3



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0002-SB

WATER TEMP.: 19

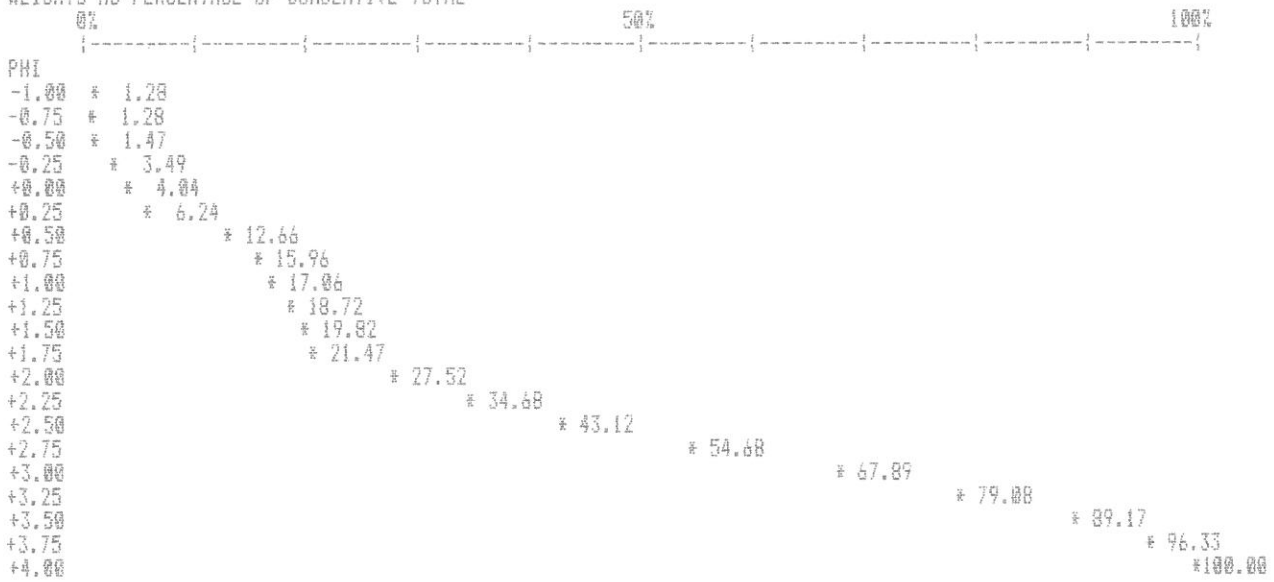
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-----	-------------	-------------	------------------------

-1.00	7.22	7.68	0.07
-0.75	8.27	8.29	0.00
-0.50	9.54	9.55	0.01
-0.25	11.07	11.47	0.11
0.00	12.94	13.40	0.03
0.25	15.24	15.32	0.12
0.50	18.08	18.50	0.35
0.75	21.63	21.75	0.18
1.00	26.12	26.19	0.06
1.25	31.05	32.02	0.09
1.50	39.25	39.65	0.06
1.75	48.93	49.21	0.09
2.00	61.74	62.01	0.33
2.25	78.92	79.31	0.39
2.50	102.23	102.38	0.46
2.75	134.19	134.40	0.63
3.00	178.42	178.56	0.72
3.25	240.09	240.62	0.61
3.50	326.51	327.08	0.55
3.75	440.00	440.00	0.75

4.00 619.49 619.61 0.20
 TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.4500
 PERCENT WEIGHT ERROR: -10.0750
 WEIGHT ERROR >5%

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04-01-2005
 SAMPLE NUMBER: K0002-SB
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 0.1094
 PHI 16.0000% = 0.7583
 PHI 25.0000% = 1.0958
 PHI 50.0000% = 2.6488
 PHI 75.0000% = 3.1588
 PHI 84.0000% = 3.3718
 PHI 95.0000% = 3.7035

MODE= -1.0000 PHI 1.2844 CUM WT%
 MODE= -0.2500 PHI 3.4862 CUM WT%
 MODE= 0.5000 PHI 12.6606 CUM WT%
 MODE= 1.2500 PHI 18.7156 CUM WT%
 MODE= 3.0000 PHI 67.8899 CUM WT%

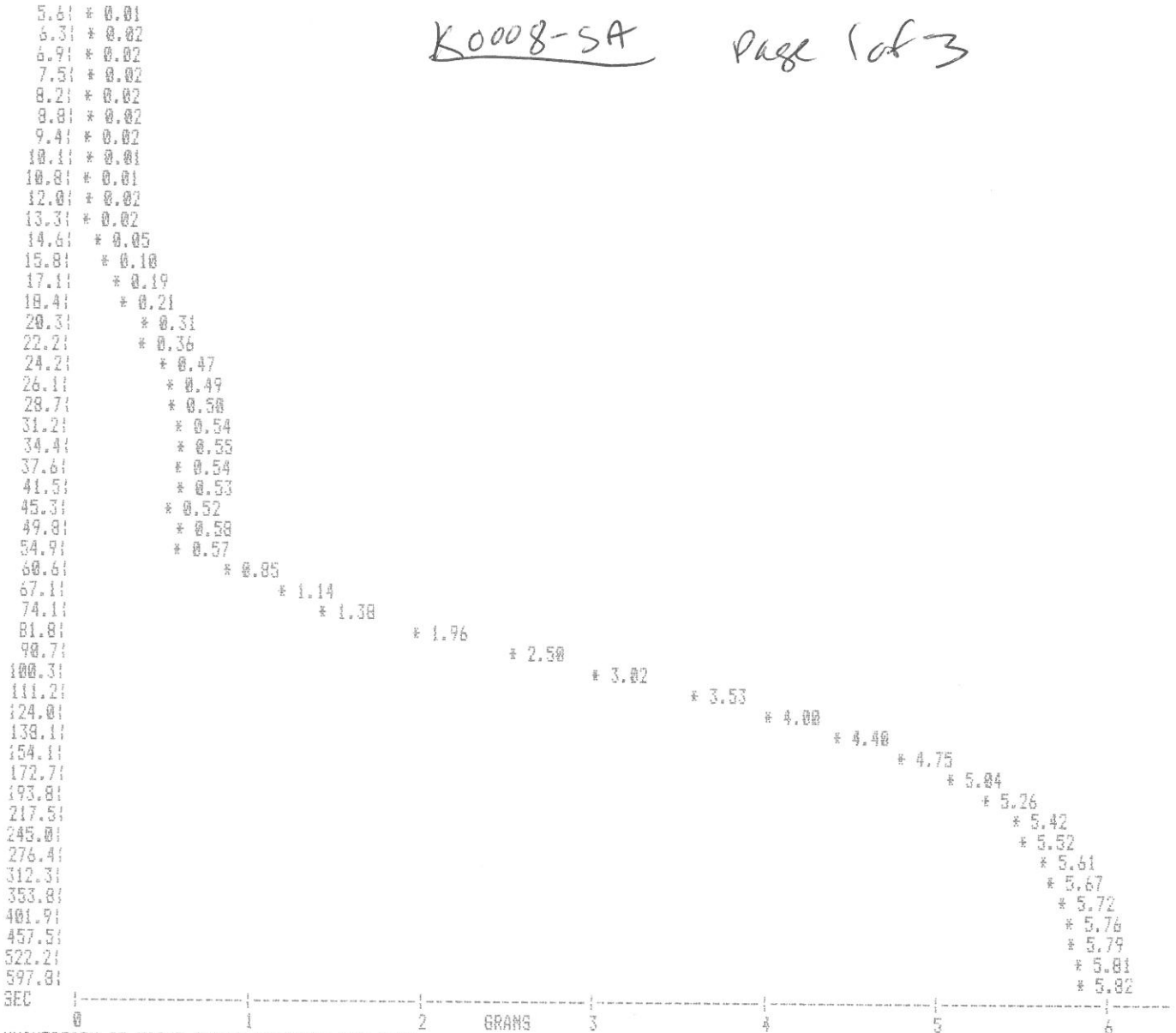
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.2597 : FINE SAND
 INCL GRAPH STD DEV: 1.1979 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.4299 : STRONGLY COARSE SKEWED

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
MEAN X= 2.4601
VARIANCE= 1.3178
SKEWNESS= -1.0284
STD DEVIATION= 1.1479
KURTOSIS= 3.2869

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

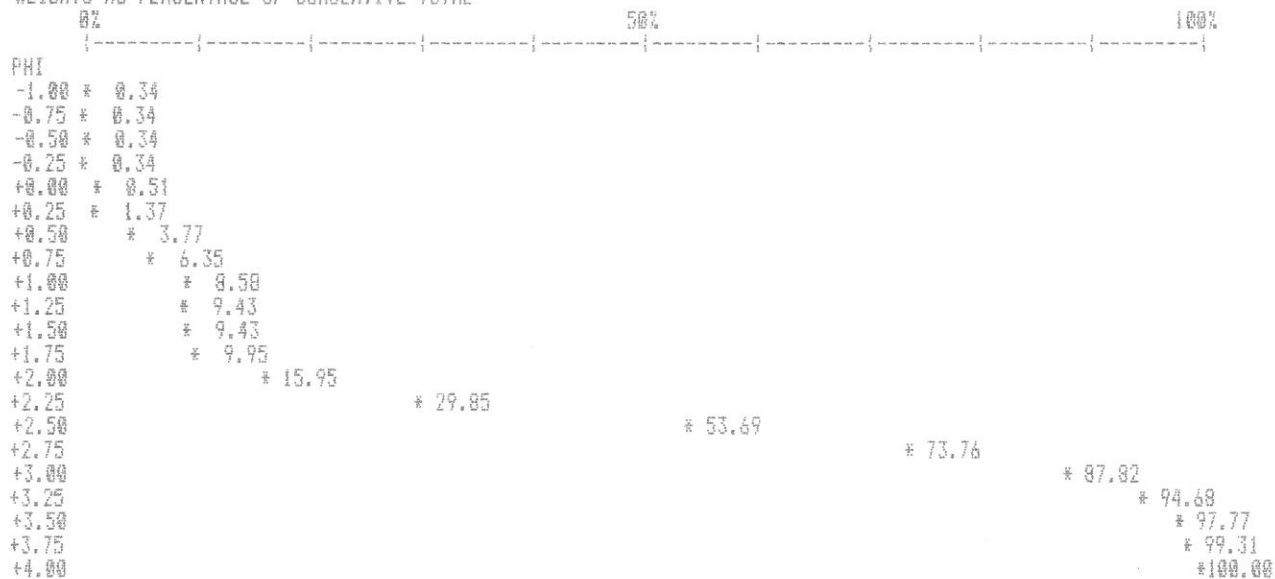
04-01-2005
SAMPLE NUMBER: K0008-SA
WATER TEMP.: 19

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.22	7.52	0.02
-0.75	8.27	8.94	0.00
-0.50	9.54	10.10	0.00
-0.25	11.07	11.36	0.00
0.00	12.94	13.29	0.01
0.25	15.24	15.21	0.05
0.50	18.08	18.40	0.14
0.75	21.63	22.24	0.15
1.00	26.12	26.74	0.13
1.25	31.85	31.85	0.05
1.50	39.25	39.54	0.00
1.75	48.93	49.15	0.03
2.00	61.74	61.95	0.35
2.25	78.92	79.25	0.01
2.50	102.23	102.27	1.39
2.75	134.19	134.29	1.17
3.00	178.42	178.45	0.82
3.25	240.09	240.57	0.40
3.50	326.51	326.97	0.10
3.75	448.08	448.57	0.09
4.00	619.49	619.50	0.03

TOTAL IMMERSSED WEIGHT: 6.050606
 CUM. TOT. WEIGHT: 5.8300
 PERCENT WEIGHT ERROR: -3.0050

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04-01-2005
 SAMPLE NUMBER: K0008-SA
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 0.6192
 PHI 16.0000% = 2.0009
 PHI 25.0000% = 2.1628
 PHI 50.0000% = 2.4613
 PHI 75.0000% = 2.7721
 PHI 84.0000% = 2.9321
 PHI 95.0000% = 3.2757

MODE= -1.0000 PHI 0.3431 CUM WT%
 MODE= -0.5000 PHI 0.3431 CUM WT%
 MODE= 0.7500 PHI 6.3465 CUM WT%
 MODE= 2.5000 PHI 53.6878 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.4648 : FINE SAND
 INCL GRAPH STD DEV: 0.6353 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.1879 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.7869 : VERY LEPTOKURTIC
 MODAL SIZE: 0.6192

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.4910
 VARIANCE= 0.5178
 SKEWNESS= -1.4964
 STD DEVIATION= 0.7196
 KURTOSIS= 6.2696

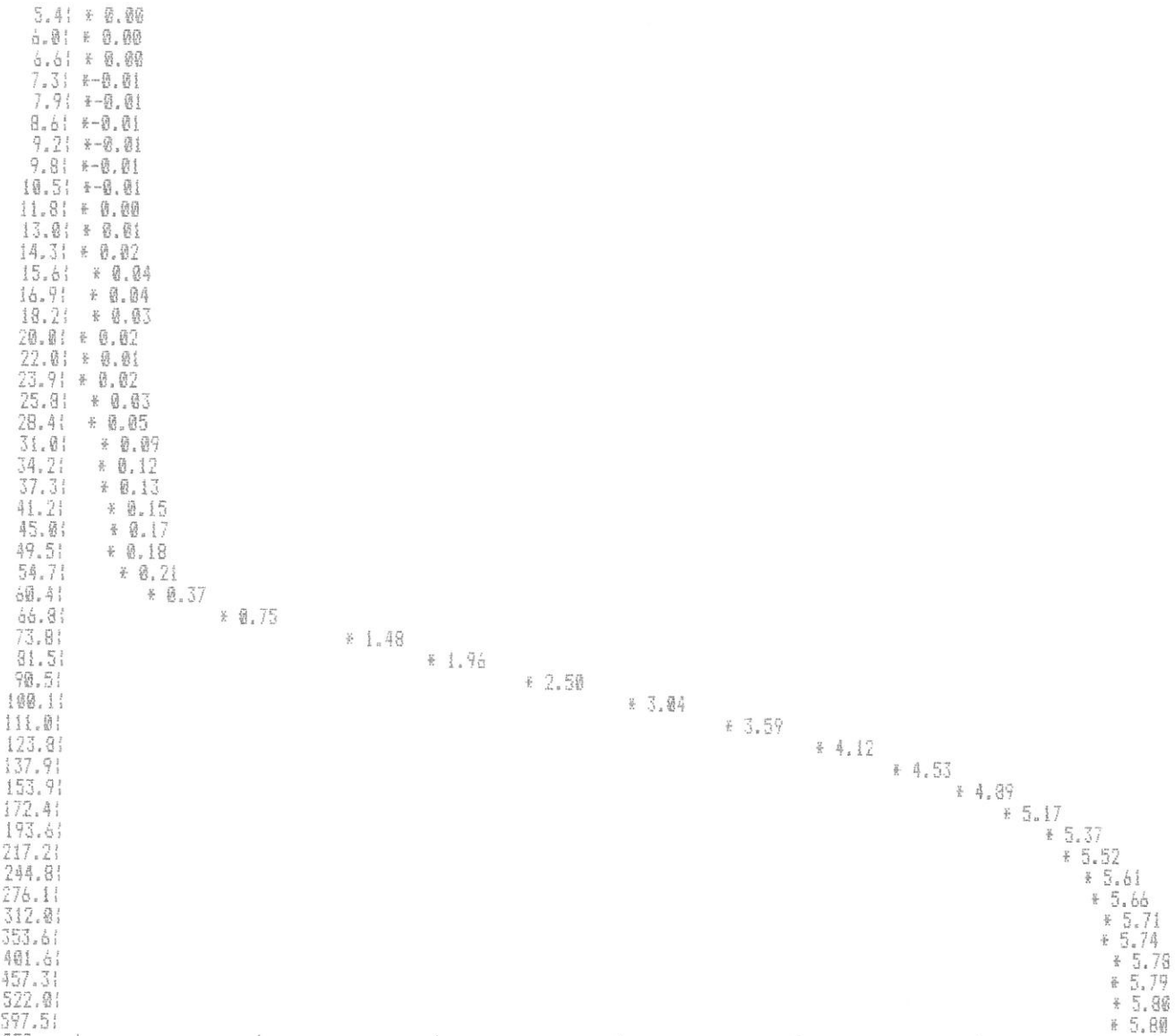
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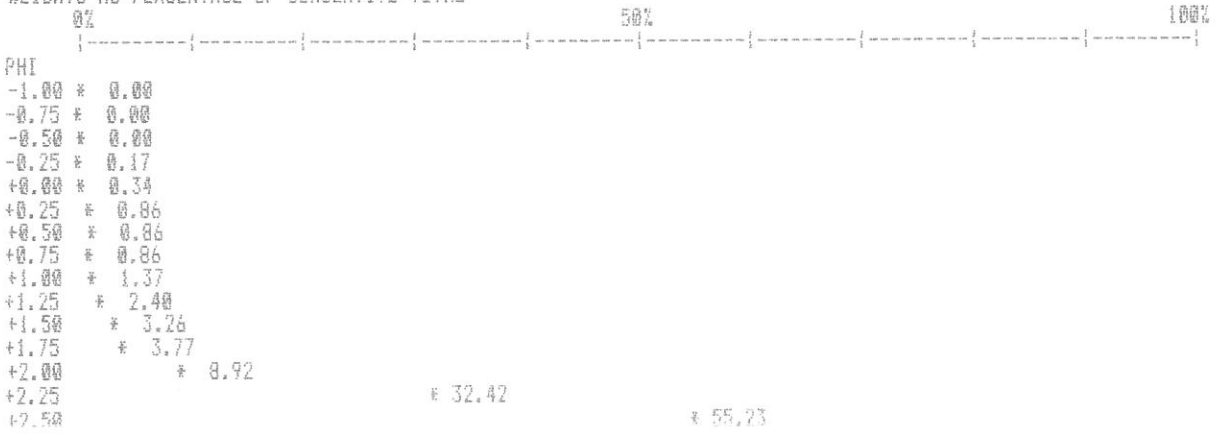
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.22	7.30	0.00
-0.75	8.27	8.56	0.00
-0.50	9.54	9.83	0.00
-0.25	11.07	11.14	0.01
0.00	12.94	13.01	0.01
0.25	15.24	15.59	0.03
0.50	18.08	18.18	0.00
0.75	21.63	21.97	0.00
1.00	26.12	26.47	0.03
1.25	31.85	32.24	0.06
1.50	39.25	39.27	0.05
1.75	48.93	49.54	0.03
2.00	61.74	62.34	0.30
2.25	78.92	78.98	1.37
2.50	102.23	102.65	1.33
2.75	134.19	134.67	1.27
3.00	178.42	178.83	0.80
3.25	240.09	240.29	0.35
3.50	326.51	326.69	0.12
3.75	448.08	448.35	0.07
4.00	619.49	619.88	0.00

TOTAL IMMERSSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.8300
 PERCENT WEIGHT ERROR: -3.0050

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of 3

04-01-2005
 SAMPLE NUMBER: K0007-SB
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



+3.00
+3.25
+3.50
+3.75
+4.00

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A 11.02

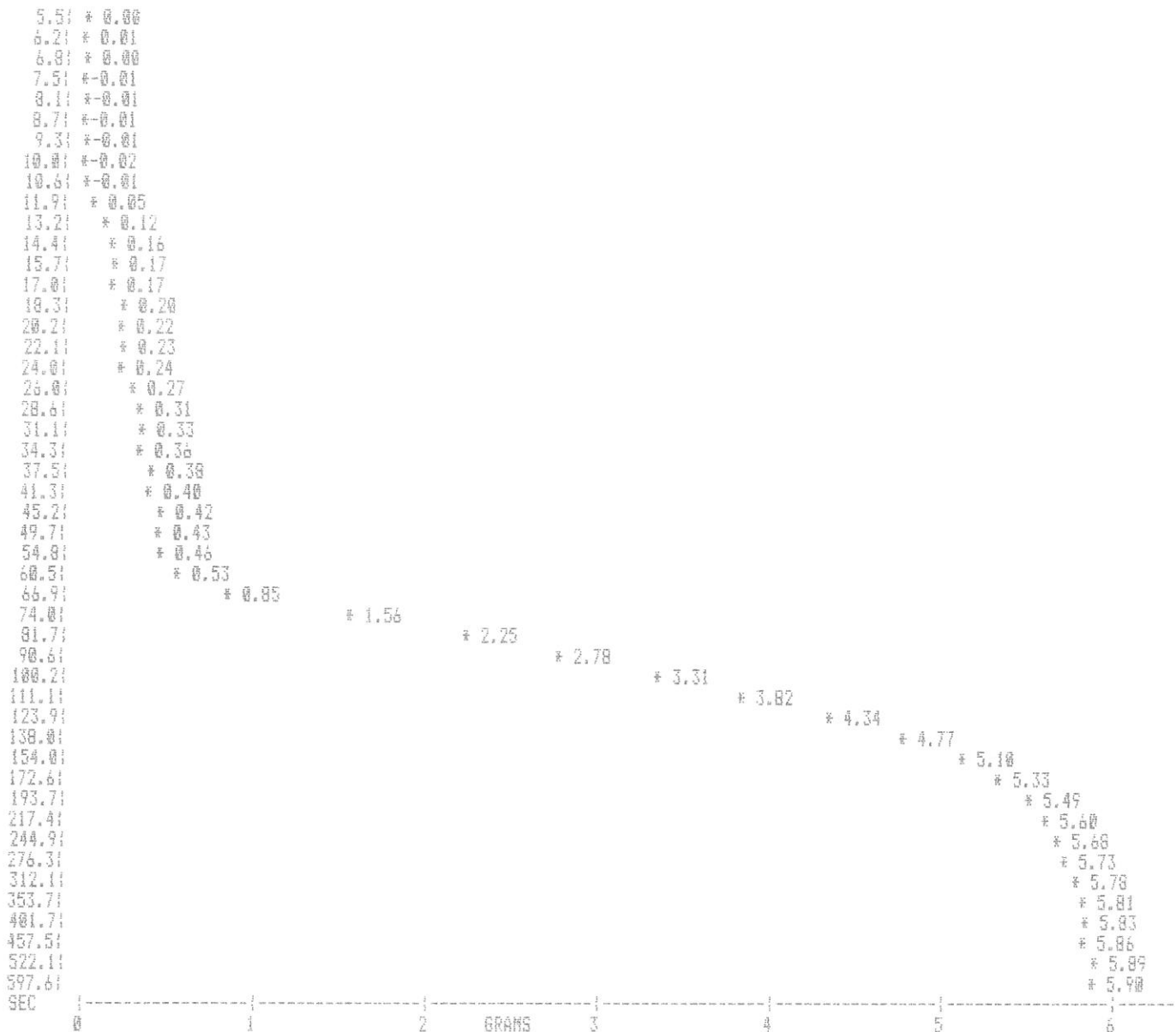
* 90.74
* 96.74
* 98.00
* 100.00
* 100.00

PHI 5.0000% = 1.8096
PHI 10.0000% = 2.0753
PHI 25.0000% = 2.1711
PHI 50.0000% = 2.4427
PHI 75.0000% = 2.7269
PHI 84.0000% = 2.8772
PHI 95.0000% = 3.1775

MODE= 0.2500 PHI 0.8576 CUM WT%
MODE= 1.2500 PHI 2.4014 CUM WT%
MODE= 2.2500 PHI 32.4105 CUM WT%

FOLLOWING ARE THE FOLK-HARD STATISTICAL PARAMETERS:
GRAPHIC MEAN: 2.4651 : FINE SAND
INCL GRAPH STD DEV: 0.4077 : WELL SORTED
INCL GRAPH SKEWNESS: 0.0791 : NEAR SYMMETRICAL
GRAPHIC KURTOSIS: 1.0087 : MESOKURTIC
NORMALIZED KURTOSIS: 0.5022

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
MEAN X= 2.5656
VARIANCE= 0.2332
SKEWNESS= -1.2050
STD DEVIATION= 0.4829
KURTOSIS= 0.6530



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0008-SB

WATER TEMP.: 21.5

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.46	0.00
-0.75	8.24	8.67	0.00
-0.50	9.50	9.99	0.00
-0.25	11.02	11.25	0.03
0.00	12.86	13.18	0.11
0.25	15.12	15.10	0.05
0.50	17.92	18.29	0.03
0.75	21.40	21.47	0.03
1.00	25.78	25.97	0.04
1.25	31.36	31.74	0.06
1.50	38.53	38.77	0.06
1.75	47.80	48.30	0.04
2.00	60.19	60.52	0.10
2.25	76.63	77.17	1.42
2.50	98.84	98.97	1.29
2.75	129.10	129.67	1.20
3.00	171.06	171.31	0.80
3.25	229.29	229.53	0.32
3.50	310.77	310.87	0.14
3.75	425.25	425.45	0.07
4.00	586.55	586.76	0.05

TOTAL IMMERSSED WEIGHT: 6.060606

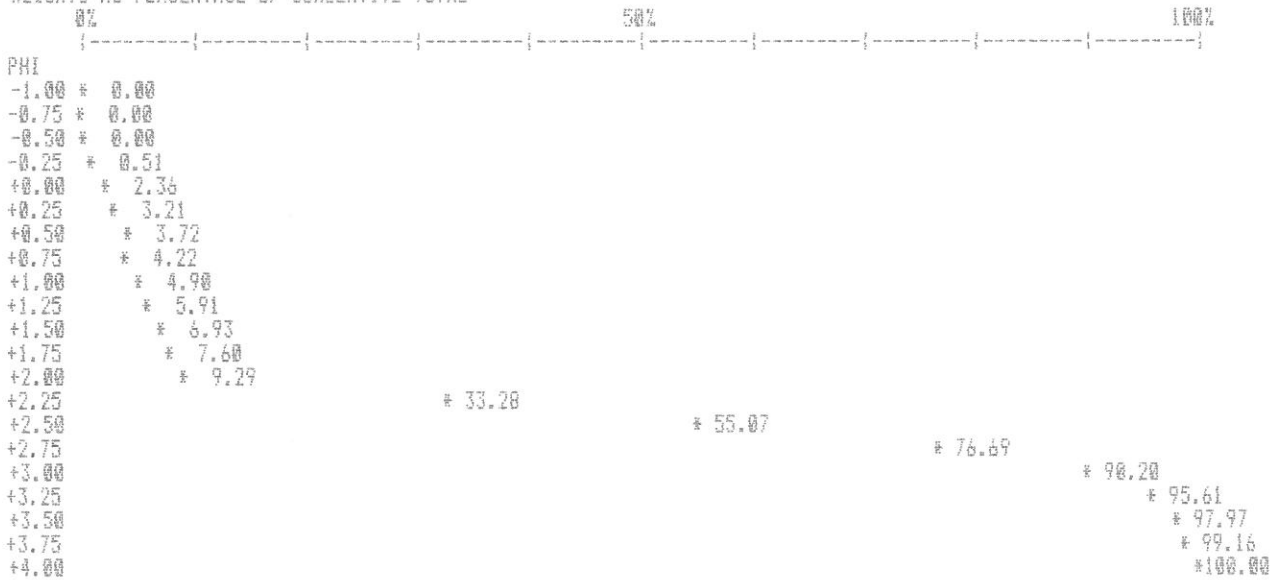
CUM. TOT. WEIGHT: 5.9200

04-01-2005

SAMPLE NUMBER: K0008-SB

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 1.0250
 PHI 16.0000% = 2.0699
 PHI 25.0000% = 2.1637
 PHI 50.0000% = 2.4419
 PHI 75.0000% = 2.7305
 PHI 84.0000% = 2.8953
 PHI 95.0000% = 3.2219

MODE= 0.0000 PHI 2.3649 CUM WT%
 MODE= 1.2500 PHI 5.9122 CUM WT%
 MODE= 2.2500 PHI 33.2770 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN: 2.4657 : FINE SAND
 INCL GRAPH STD DEV: 0.5367 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.1011 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.5887 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6137

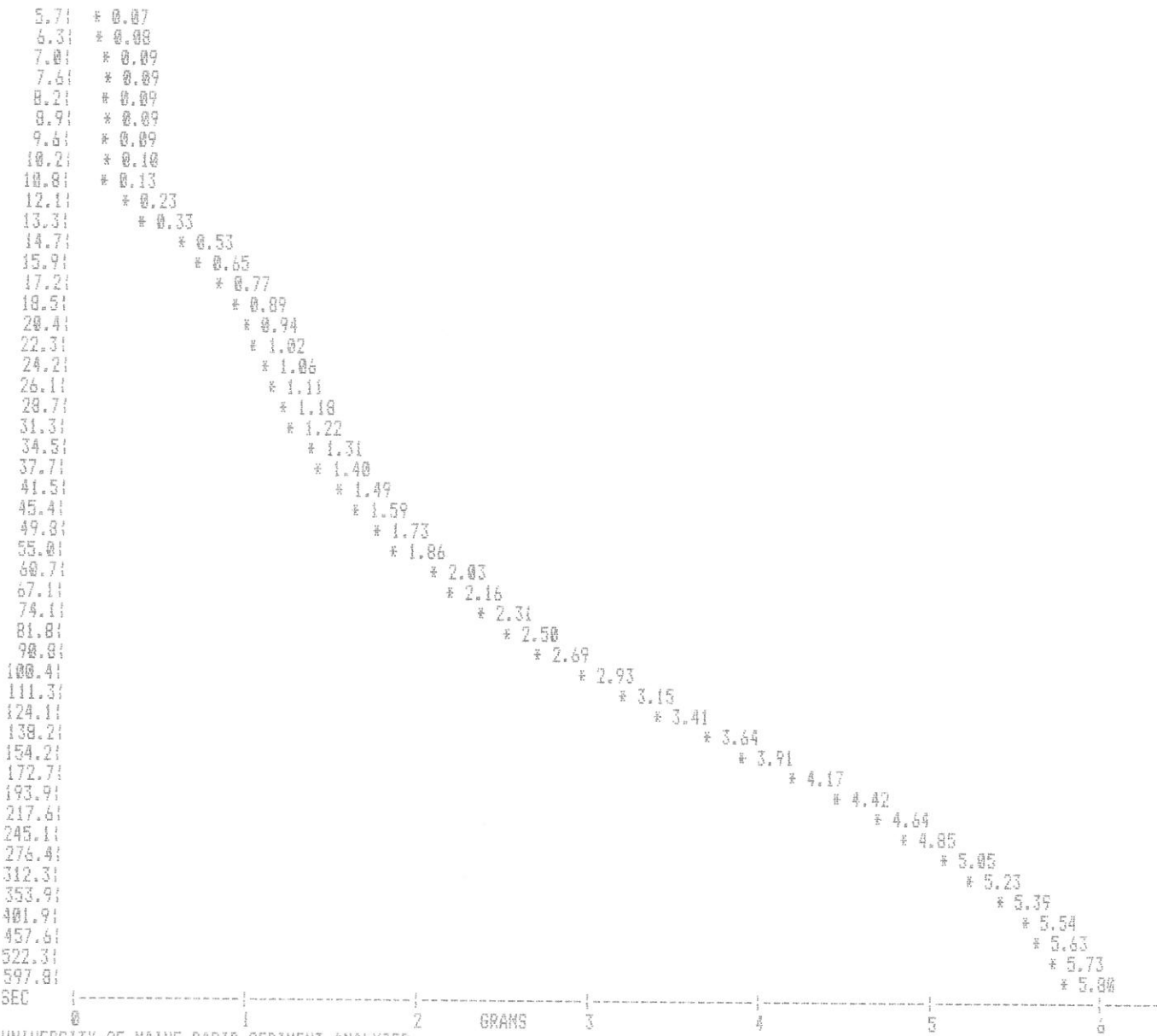
FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

VARIANCE= 0.4360
 SKEWNESS= -1.7850
 STD DEVIATION= 0.6603
 KURTOSIS= 0.2754

K0008-SB

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K0002-SA page 1 of 3



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0002-SA
 WATER TEMP.: 21.5

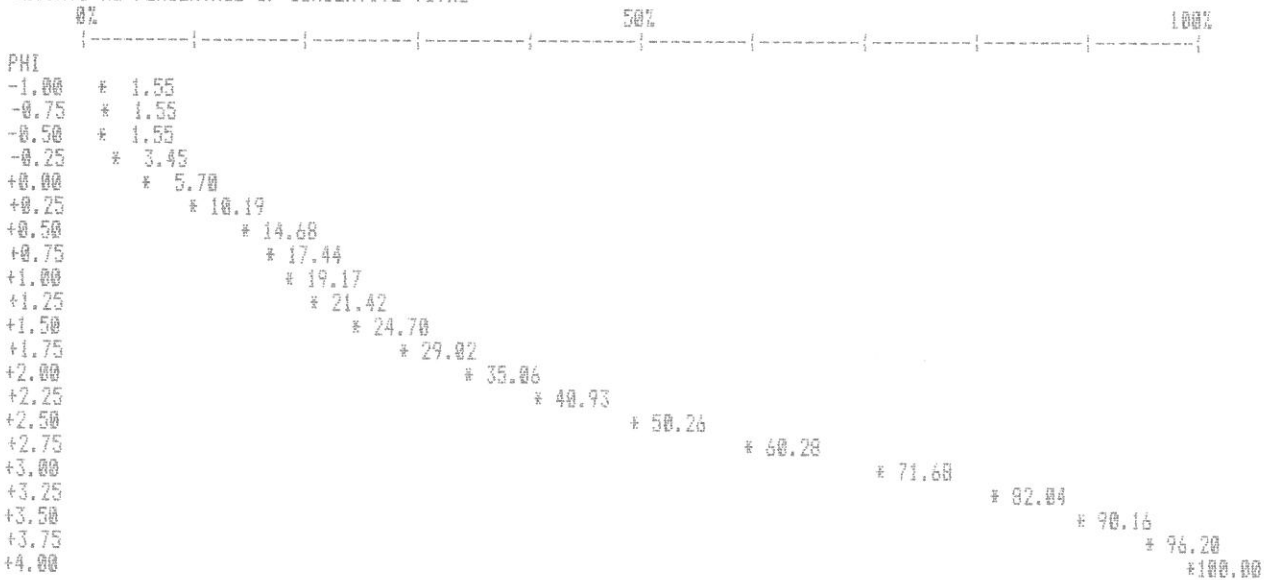
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.63	0.09
-0.75	8.24	8.23	0.00
-0.50	9.50	9.55	0.00
-0.25	11.02	11.47	0.11
0.00	12.86	13.34	0.13
0.25	15.12	15.32	0.26
0.50	17.92	17.90	0.26
0.75	21.40	21.69	0.16
1.00	25.78	26.14	0.10
1.25	31.36	31.96	0.13
1.50	38.53	38.94	0.19
1.75	47.88	47.89	0.25
2.00	60.19	60.69	0.35
2.25	76.63	76.73	0.34
2.50	98.84	99.14	0.54
2.75	129.18	129.23	0.58
3.00	171.04	171.87	0.44

3.25	229.29	229.75	0.60
3.50	310.77	311.04	0.47
3.75	425.25	425.61	0.35
4.00	586.55	586.93	0.22

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.7900
 PERCENT WEIGHT ERROR: -4.4650

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04-01-2005
 SAMPLE NUMBER: K0002-SA
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = -0.0779
 PHI 16.0000% = 0.6194
 PHI 25.0000% = 1.5175
 PHI 50.0000% = 2.4931
 PHI 75.0000% = 3.0002
 PHI 84.0000% = 3.3104
 PHI 95.0000% = 3.7004

MODE= -1.0000 PHI 1.5544 CUM WT%
 MODE= 0.5000 PHI 14.6005 CUM WT%
 MODE= 2.0000 PHI 35.0604 CUM WT%
 MODE= 3.0000 PHI 71.6753 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.1410 : FINE SAND
 INCL GRAPH STD DEV: 1.2452 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.3767 : STRONGLY COARSE SKEWED
 GRAPHIC KURTOSIS: 0.9909 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4977

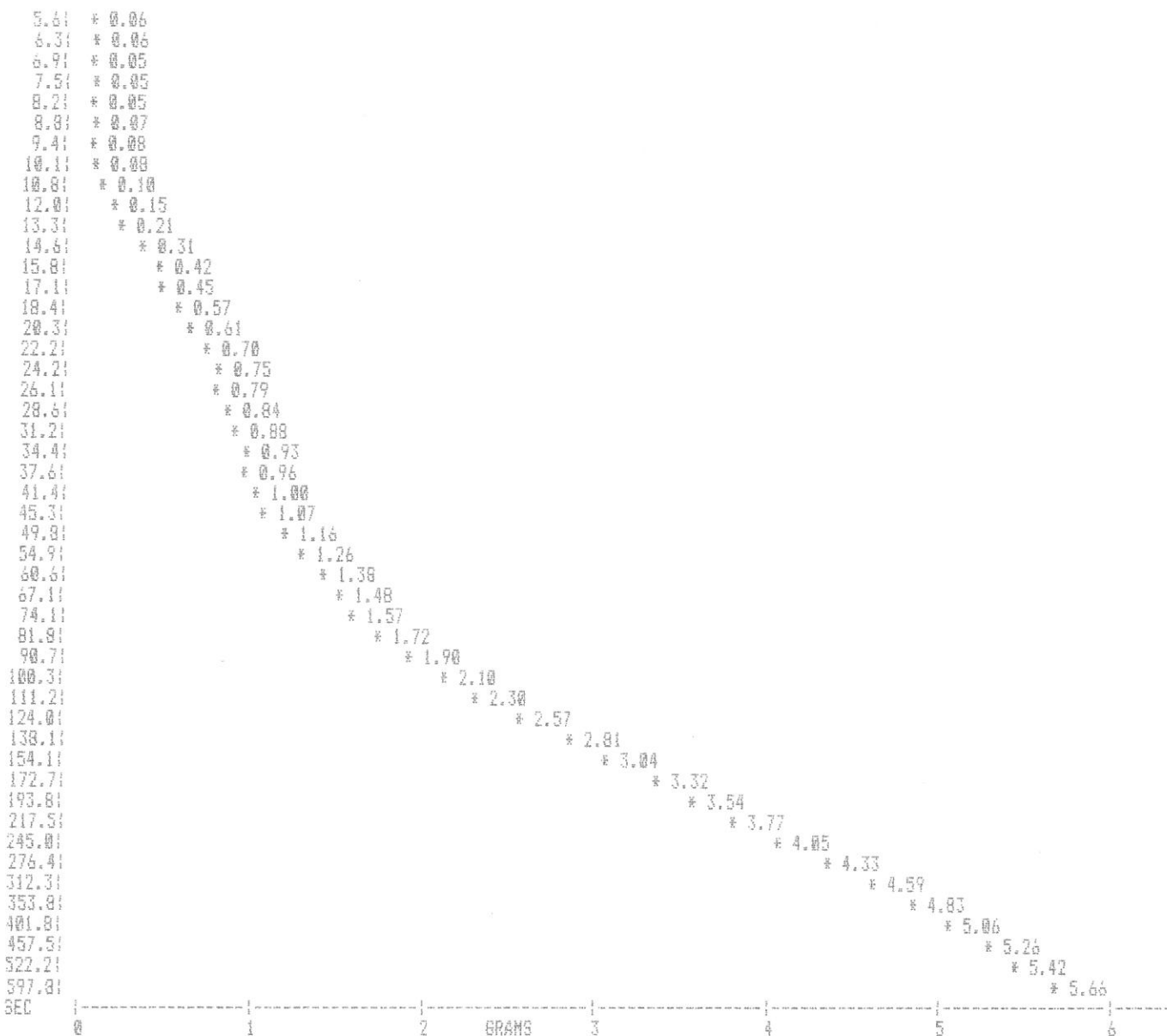
K0002-SA

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FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X= 2.3074
 VARIANCE= 1.4329
 SKEWNESS= -0.7992
 STD DEVIATION= 1.1970
 KURTOSIS= 2.7774

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0002-SC

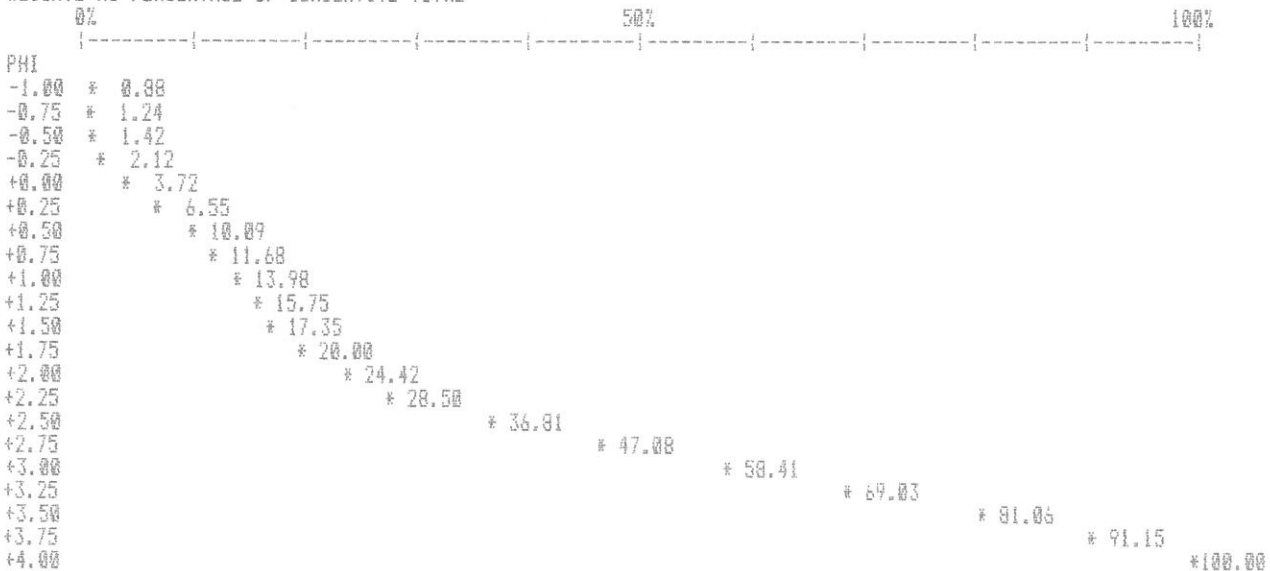
WATER TEMP.: 21.5

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.52	0.05
-0.75	8.24	8.84	0.02
-0.50	9.50	10.10	0.01
-0.25	11.02	11.36	0.04
0.00	12.86	13.29	0.09
0.25	15.12	15.71	0.11

0.50	17.92	18.40	0.20
0.75	21.40	21.50	0.09
1.00	25.78	26.08	0.13
1.25	31.36	31.05	0.10
1.50	38.53	38.00	0.09
1.75	47.00	40.49	0.15
2.00	60.19	60.63	0.25
2.25	76.63	76.67	0.23
2.50	98.04	99.00	0.47
2.75	129.10	129.78	0.50
3.00	171.06	171.42	0.64
3.25	229.29	229.64	0.60
3.50	310.77	310.93	0.68
3.75	425.25	425.56	0.57
4.00	586.55	586.07	0.50

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.6500
 PERCENT WEIGHT ERROR: -6.7750
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0002-SC
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 0.1133
 PHI 16.0000% = 1.2889

PHI 25.0000% = 2.8353
PHI 50.0000% = 2.8145
PHI 75.0000% = 3.3741
PHI 84.0000% = 3.5728
PHI 95.0000% = 3.8587

MODE= -1.0000 PHI 0.8850 CUM WT%
MODE= 0.5000 PHI 10.0885 CUM WT%
MODE= 1.0000 PHI 13.9823 CUM WT%
MODE= 2.0000 PHI 24.4248 CUM WT%
MODE= 3.0000 PHI 58.4071 CUM WT%
MODE= 3.5000 PHI 81.0619 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

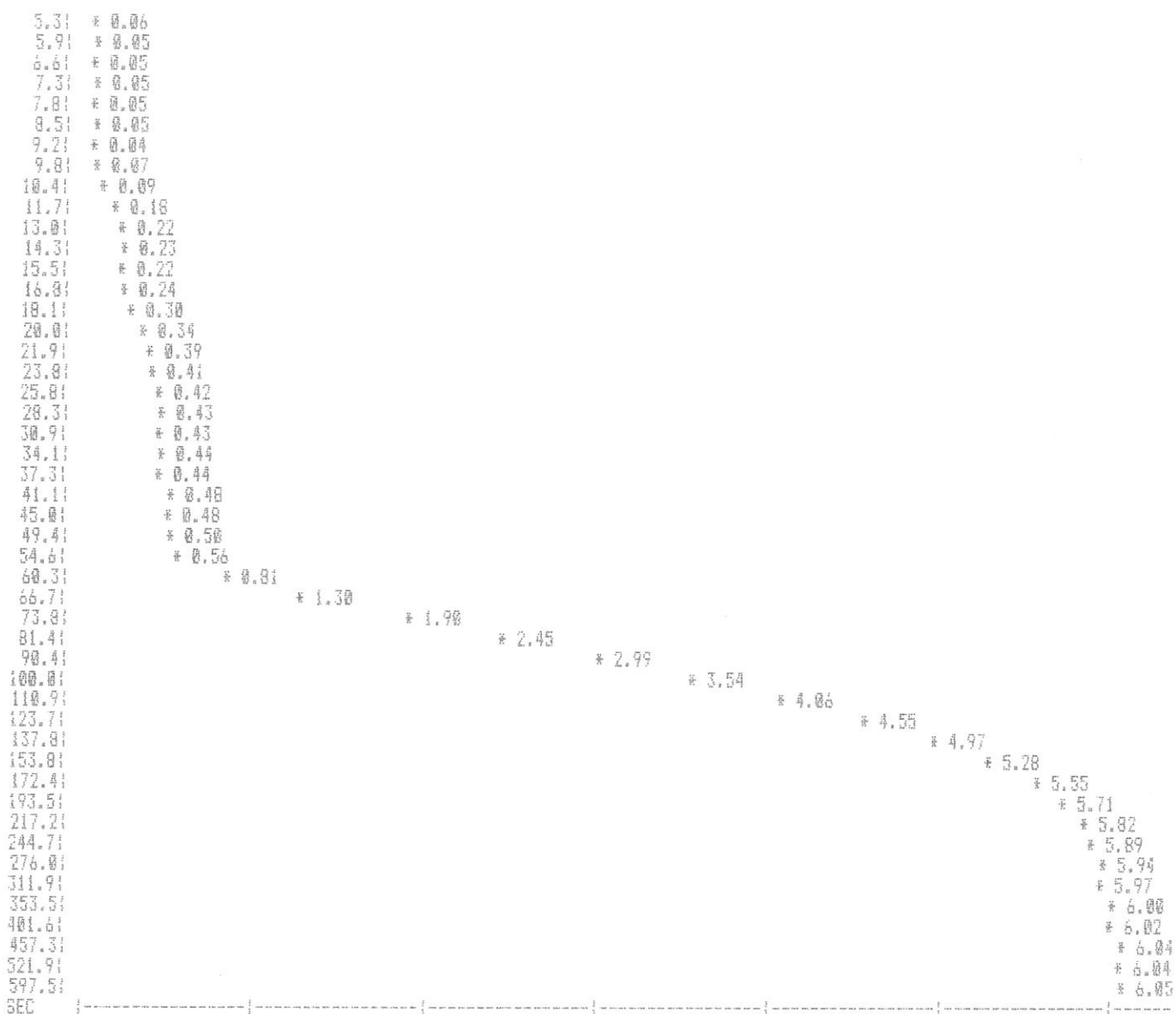
GRAPHIC MEAN: 2.5587 : FINE SAND
INCL GRAPH STD DEV: 1.1385 : POORLY SORTED
INCL GRAPH SKEWNESS: -0.3891 : STRONGLY COARSE SKEWED
GRAPHIC KURTOSIS: 1.1466 : LEPTOKURTIC
NORMALIZED KURTOSIS: 0.5341

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X= 2.6469
VARIANCE= 1.3224
SKEWNESS= -1.1118
STD DEVIATION= 1.1500
KURTOSIS= 3.5449

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
04-01-2005

SAMPLE NUMBER: K0008-SC
WATER TEMP.: 21.5

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.25	0.05
-0.75	8.24	8.51	0.00
-0.50	9.50	9.77	0.02
-0.25	11.02	11.09	0.07
0.00	12.86	12.96	0.00
0.25	15.12	15.54	0.00
0.50	17.92	18.12	0.00
0.75	21.40	21.91	0.09
1.00	25.78	25.76	0.03
1.25	31.36	31.50	0.01
1.50	38.53	38.55	0.03
1.75	47.00	48.16	0.04
2.00	60.19	60.30	0.31
2.25	76.63	77.00	1.33
2.50	98.04	99.36	1.37
2.75	129.10	129.45	1.23
3.00	171.06	171.09	0.79
3.25	229.29	229.36	0.32
3.50	310.77	311.31	0.12
3.75	425.25	425.23	0.06
4.00	586.55	586.54	0.02

TOTAL IMMERSED WEIGHT: 6.050605

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04-01-2005
 SAMPLE NUMBER: K0008-SC
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

PHI	0%	50%	100%
-1.00	* 0.83		
-0.75	* 0.83		
-0.50	* 1.16		
-0.25	* 2.31		
+0.00	* 3.64		
+0.25	* 3.64		
+0.50	* 4.96		
+0.75	* 6.45		
+1.00	* 6.94		
+1.25	* 7.11		
+1.50	* 7.60		
+1.75	* 8.26		
+2.00	* 13.39		
+2.25		* 35.37	
+2.50			* 58.02
+2.75			* 78.35
+3.00			* 91.40
+3.25			* 96.69
+3.50			* 98.68
+3.75			* 99.67
+4.00			* 100.00

PHI 5.0000%	=	0.5069
PHI 16.0000%	=	2.0297
PHI 25.0000%	=	2.1320
PHI 50.0000%	=	2.4115
PHI 75.0000%	=	2.7088
PHI 94.0000%	=	2.8582
PHI 95.0000%	=	3.1699

MODE=	-1.0000	PHI	0.8264	CUM WT%
MODE=	0.0000	PHI	3.6364	CUM WT%
MODE=	0.7500	PHI	6.4463	CUM WT%
MODE=	2.5000	PHI	58.0165	CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.4331 : FINE SAND
 INCL GRAPH STD DEV: 0.6106 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.1760 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.8922 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6542

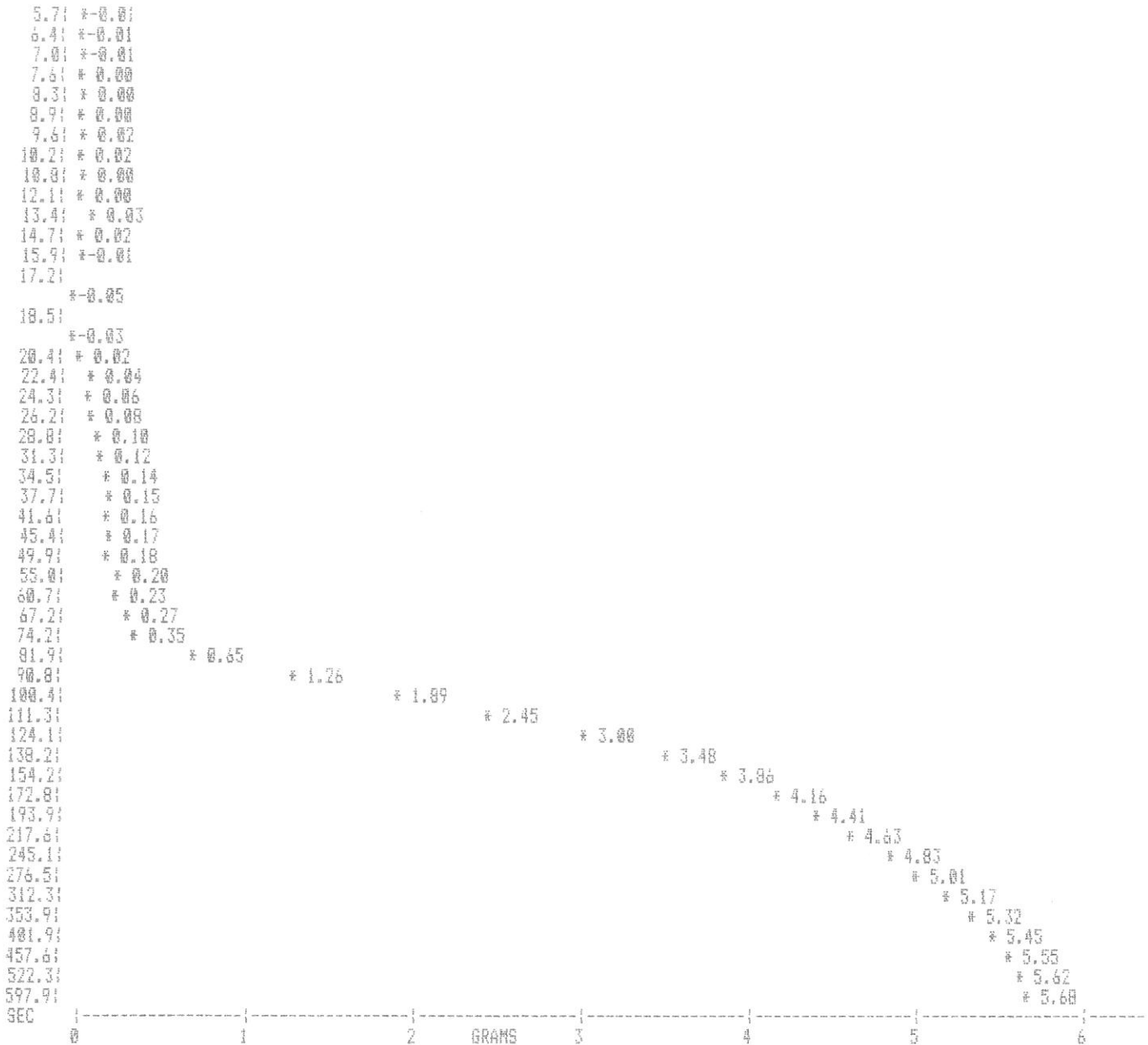
FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

VARIANCE= 0.5624
 SKEWNESS= -2.1688
 STD DEVIATION= 0.7500
 KURTOSIS= 9.2284

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 04-01-2005

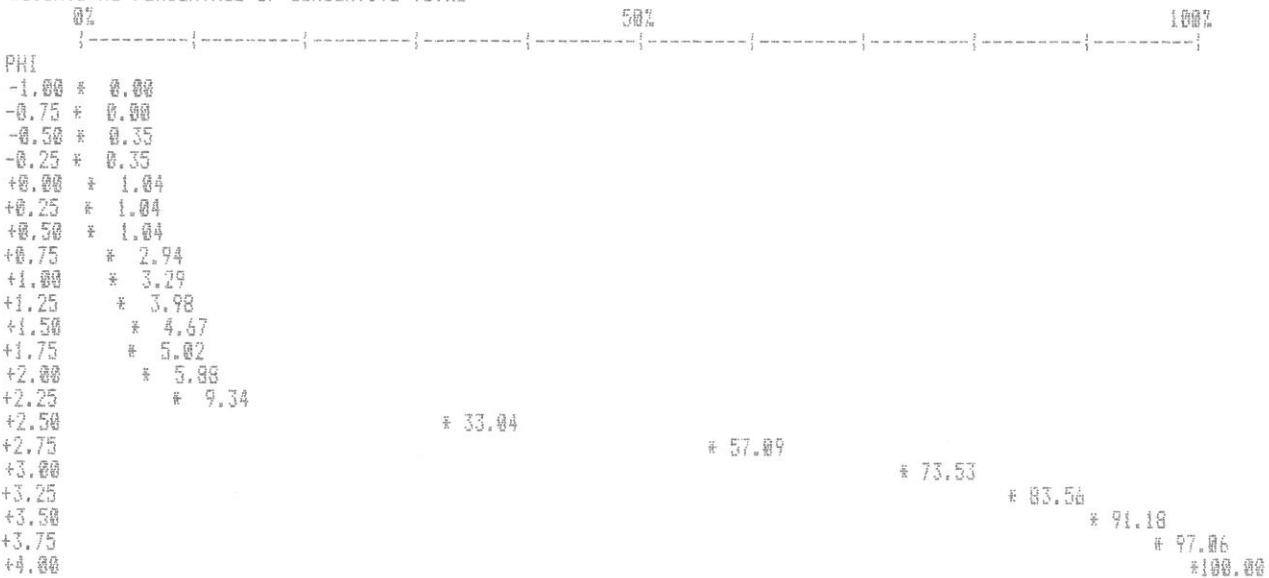
SAMPLE NUMBER: K0001-SA
 WATER TEMP.: 21.5

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.63	0.00
-0.75	8.24	8.29	0.00
-0.50	9.50	9.55	0.02
-0.25	11.02	11.47	0.00
0.00	12.86	13.40	0.04
0.25	15.12	15.32	0.00
0.50	17.92	18.01	0.00
0.75	21.40	21.69	0.11
1.00	25.78	26.19	0.02
1.25	31.36	31.96	0.04
1.50	38.53	38.99	0.04
1.75	47.88	47.94	0.02
2.00	60.19	60.74	0.05
2.25	76.63	76.78	0.20

2.75	129.18	129.23	1.39
3.00	171.06	171.53	0.95
3.25	229.29	229.75	0.58
3.50	310.77	311.04	0.44
3.75	425.25	425.67	0.34
4.00	586.55	586.98	0.17

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.7800
 PERCENT WEIGHT ERROR: -4.6300

04-01-2005
 SAMPLE NUMBER: K0001-SA
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	1.7375
PHI	16.0000%	=	2.3202
PHI	25.0000%	=	2.4151
PHI	50.0000%	=	2.6763
PHI	75.0000%	=	3.0366
PHI	84.0000%	=	3.2643
PHI	95.0000%	=	3.6625

MODE=	-0.5000	PHI	0.3460	CUM WT%
MODE=	0.0000	PHI	1.0381	CUM WT%
MODE=	0.7500	PHI	2.9412	CUM WT%
MODE=	1.2500	PHI	3.9792	CUM WT%
MODE=	2.7500	PHI	57.0934	CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.7536 : FINE SAND
 INCL GRAPH STD DEV: 0.5277 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: 0.1352 : FINE SKEWED
 GRAPHIC KURTOSIS: 1.2694 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5594

K0001-SA

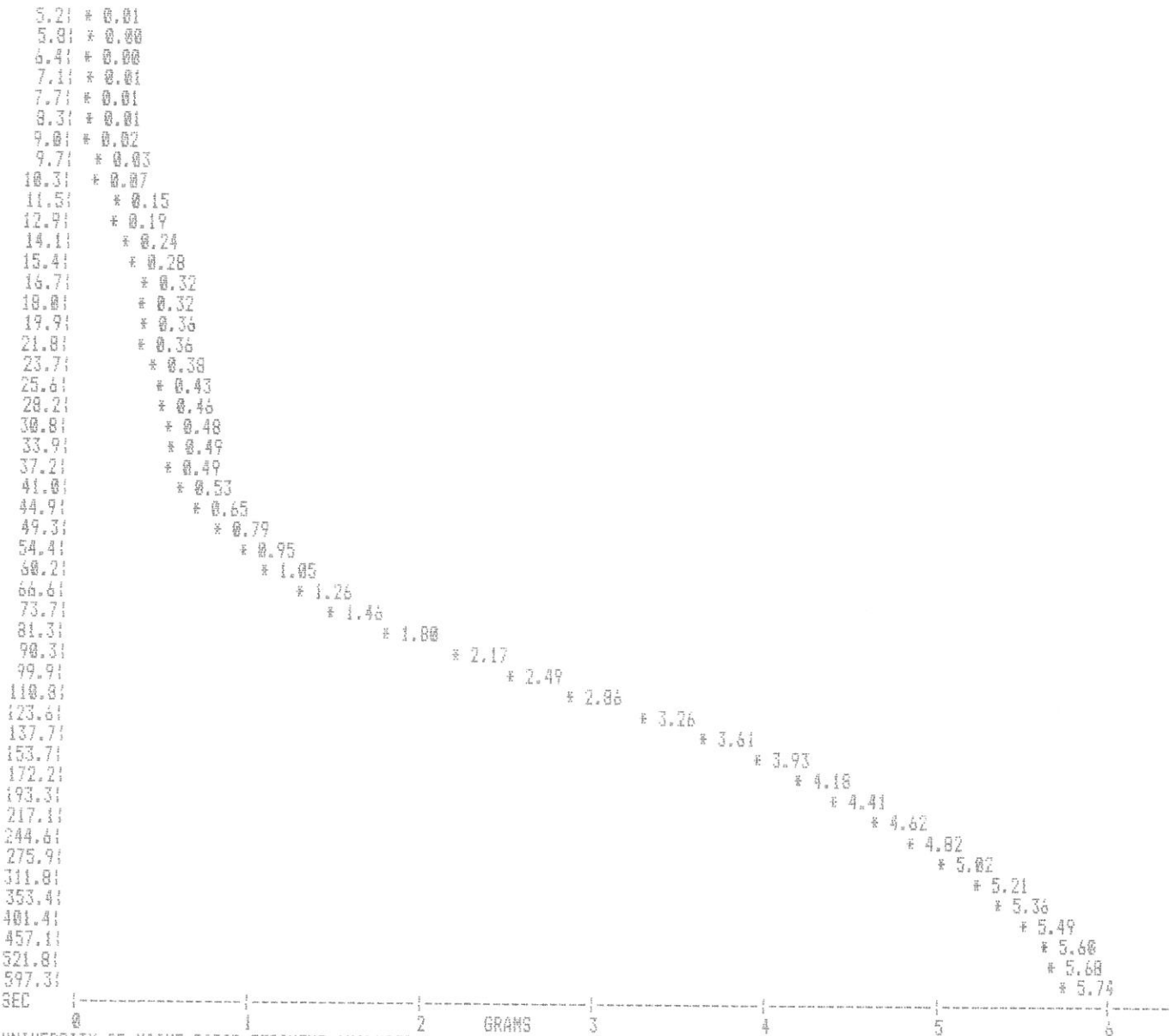
page 3 of 3

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.0140
 VARIANCE= 0.4126
 SKEWNESS= -1.5140
 STD DEVIATION= 0.6424
 KURTOSIS= 0.4234



K0001-SC

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0001-SC

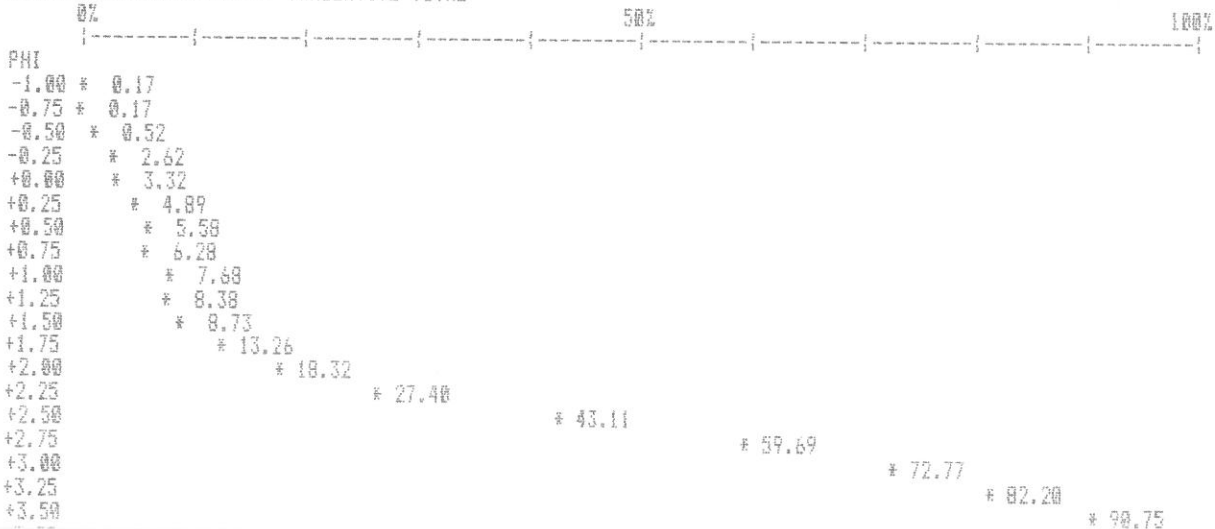
WATER TEMP.: 21.5

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
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-0.75	8.24	9.34	0.00
-0.50	9.50	9.66	0.02
-0.25	11.02	11.53	0.12
0.00	12.86	12.85	0.04
0.25	15.12	15.37	0.09
0.50	17.92	17.96	0.04
0.75	21.40	21.80	0.04
1.00	25.78	26.30	0.08
1.25	31.36	31.41	0.04
1.50	38.53	39.10	0.02
1.75	47.00	48.05	0.26
2.00	60.19	60.19	0.29
2.25	76.63	76.84	0.52
2.50	98.84	99.25	0.90
2.75	129.10	129.34	0.95
3.00	171.06	171.58	0.75
3.25	229.29	229.86	0.54
3.50	310.77	311.15	0.49
3.75	425.25	425.72	0.35
4.00	586.55	587.04	0.18

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.7300
 PERCENT WEIGHT ERROR: -5.4550
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0001-SC
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 0.2906
 PHI 16.0000% = 1.8852
 PHI 25.0000% = 2.1839
 PHI 50.0000% = 2.6039
 PHI 75.0000% = 3.0590
 PHI 84.0000% = 3.3027
 PHI 95.0000% = 3.6739
 NODE= -1.0000 PHI 0.1745 CUM WT%
 NODE= -0.2500 PHI 2.6178 CUM WT%
 NODE= 0.2500 PHI 4.8866 CUM WT%
 NODE= 1.0000 PHI 7.6789 CUM WT%
 NODE= 2.7500 PHI 59.6859 CUM WT%

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FOLLOWING ARE THE FOLK-HARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.5973 : FINE SAND
 INCL GRAPH STD DEV: 0.0670 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.1908 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.5844 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6131

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.6182
 VARIANCE= 0.8070
 SKEWNESS= -1.3729
 STD DEVIATION= 0.8983
 KURTOSIS= 5.4338



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5.71 * 0.00
 6.41 * 0.00
 7.01 * 0.00
 7.61 * 0.00
 8.31 * 0.00
 8.91 * 0.00
 9.61 * 0.00
 10.21 * 0.00
 10.81 * 0.00
 12.11 * 0.00
 13.31 * 0.04
 14.71 * 0.04
 15.91 * 0.08
 17.21 * 0.08
 18.51 * 0.08
 20.41 * 0.11
 22.41 * 0.12
 24.31 * 0.16
 26.21 * 0.23
 28.71 * 0.21
 31.31 * 0.22
 34.51 * 0.24
 37.71 * 0.25
 41.51 * 0.26
 45.41 * 0.26
 49.91 * 0.29
 55.01 * 0.29
 60.71 * 0.30
 67.11 * 0.45
 74.21 * 0.71
 81.91 * 1.04
 90.01 * 1.35
 100.41 * 1.79
 111.31 * 2.23
 124.11 * 2.65
 138.21 * 3.10
 154.21 * 3.51
 172.01 * 3.89
 193.91 * 4.19
 217.61 * 4.46
 245.11 * 4.69
 276.51 * 4.89
 312.41 * 5.08
 353.91 * 5.25
 401.91 * 5.44
 457.61 * 5.57
 522.31 * 5.65

SEC 0 1 2 3 4 5 6
 GRAMS

UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0001-SB
 WATER TEMP.: 21.5

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PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.63	0.00
-0.75	8.24	8.29	0.00
-0.50	9.50	9.55	0.00
-0.25	11.02	11.47	0.00
0.00	12.86	13.34	0.04
0.25	15.12	15.32	0.02
0.50	17.92	17.90	0.02
0.75	21.40	21.69	0.04
1.00	25.78	26.19	0.11
1.25	31.36	31.96	0.00
1.50	38.53	38.99	0.02
1.75	47.00	47.94	0.03
2.00	60.19	60.74	0.02
2.25	76.63	76.70	0.53
2.50	98.84	99.14	0.90
2.75	129.10	129.23	1.10
3.00	171.06	171.53	1.03
3.25	229.29	229.75	0.71
3.50	310.77	311.04	0.51
3.75	425.25	425.67	0.43
4.00	586.55	586.98	0.20
TOTAL IMMERSED WEIGHT:			6.060606
CUM. TOT. WEIGHT:			5.7100
PERCENT WEIGHT ERROR:			-5.7050
WEIGHT ERROR >5%			

04-01-2005
 SAMPLE NUMBER: K0001-SB
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

PHI	%
-1.00	* 0.00
-0.75	* 0.00
-0.50	* 0.00
-0.25	* 0.00
+0.00	* 0.70
+0.25	* 1.05
+0.50	* 1.40
+0.75	* 2.10
+1.00	* 4.03
+1.25	* 4.03

+1.50	*	4.38							
+1.75	*	4.90							
+2.00	*	5.25							
+2.25			* 14.54						
+2.50				* 38.30					
+2.75					* 49.56				
+3.00						* 67.60			
+3.25							* 80.04		
+3.50								* 88.97	
+3.75									* 96.50
+4.00									*100.00

PHI	5.0000%	=	1.0187	
PHI	16.0000%	=	2.2732	
PHI	25.0000%	=	2.4160	
PHI	50.0000%	=	2.7561	
PHI	75.0000%	=	3.1488	
PHI	84.0000%	=	3.3610	
PHI	95.0000%	=	3.7003	
MODE=	0.0000	PHI	0.7005	CUM WT%
MODE=	1.0000	PHI	4.0280	CUM WT%
MODE=	1.7500	PHI	4.9037	CUM WT%
MODE=	2.7500	PHI	49.5622	CUM WT%

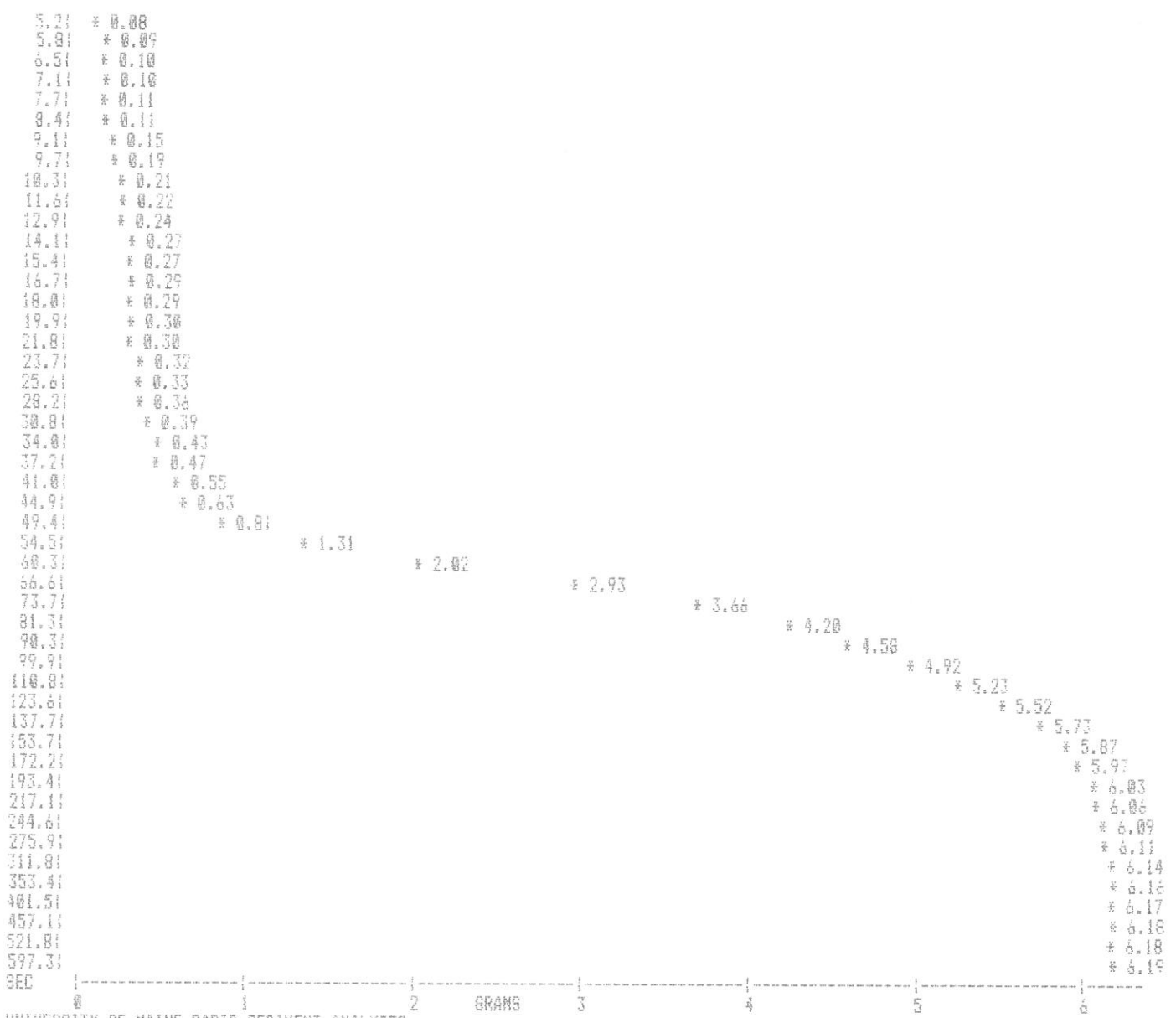
K0001-SB
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FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN:	2.7968	:	FINE SAND
INCL GRAPH STD DEV:	0.5578	:	MODERATELY WELL SORTED
INCL GRAPH SKEWNESS:	0.0579	:	NEAR SYMMETRICAL
GRAPHIC KURTOSIS:	1.0523	:	MESOKURTIC
NORMALIZED KURTOSIS:	0.5127		

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X=	2.8616
VARIANCE=	0.4355
SKEWNESS=	-1.3038
STD DEVIATION=	0.6600
KURTOSIS=	6.7134



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
04-01-2005

SAMPLE NUMBER: K0006-SA

WATER TEMP.: 22

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.19	7.74	0.11
-0.75	8.24	8.40	0.00
-0.50	9.49	9.66	0.00
-0.25	11.01	10.98	0.01
0.00	12.85	12.85	0.04
0.25	15.10	15.43	0.03
0.50	17.80	17.96	0.02
0.75	21.35	21.80	0.01
1.00	25.72	26.36	0.04
1.25	31.26	31.47	0.05
1.50	38.40	38.44	0.11
1.75	47.67	48.05	0.24
2.00	59.89	60.25	1.28
2.25	76.19	76.23	1.85
2.50	98.19	98.64	1.01
2.75	128.23	128.74	0.72
3.00	169.65	169.71	0.35
3.25	227.23	227.28	0.13
3.50	307.75	307.96	0.06
3.75	420.87	421.27	0.03
4.00	580.22	580.67	0.02

TOTAL IMMERSED WEIGHT: 6.060506

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04-01-2005
 SAMPLE NUMBER: K0006-SA
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

PHI	0%	50%	100%
-1.00	* 1.78		
-0.75	* 1.78		
-0.50	* 3.07		
-0.25	* 3.23		
+0.00	* 3.88		
+0.25	* 4.35		
+0.50	* 4.68		
+0.75	* 4.85		
+1.00	* 5.49		
+1.25	* 6.30		
+1.50	* 8.08		
+1.75	* 11.95		
+2.00		* 32.63	
+2.25			* 62.52
+2.50			* 78.84
+2.75			* 90.47
+3.00			* 96.12
+3.25			* 98.22
+3.50			* 99.19
+3.75			* 99.68
+4.00			* 100.00

PHI 5.0000% = 0.0094
PHI 16.0000% = 1.7989
PHI 25.0000% = 1.9077
PHI 50.0000% = 2.1453
PHI 75.0000% = 2.4412
PHI 84.0000% = 2.6110
PHI 95.0000% = 2.9504

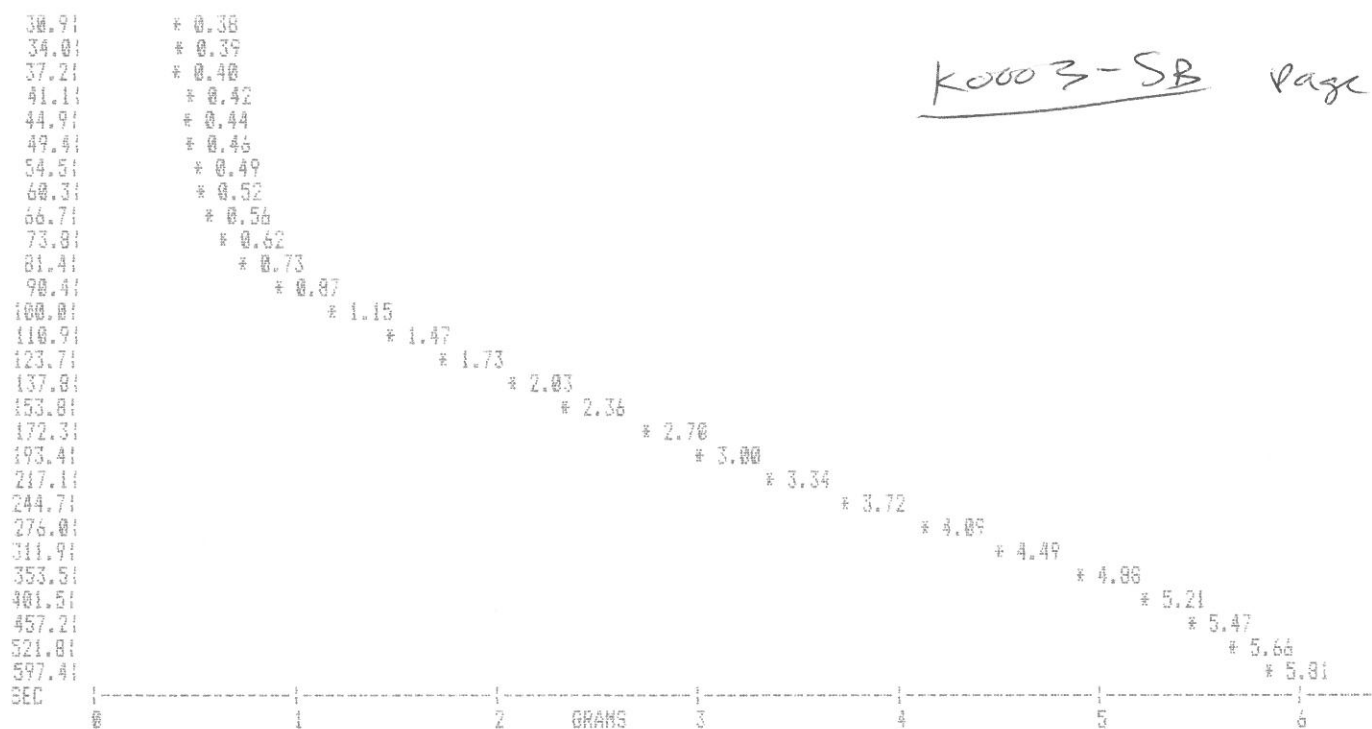
MODE= -1.0000 PHI 1.7771 CUM WT%
MODE= -0.5000 PHI 3.0695 CUM WT%
MODE= 0.0000 PHI 3.8772 CUM WT%
MODE= 2.2500 PHI 62.5202 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.1850 : FINE SAND
 INCL GRAPH STD DEV: 0.5274 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.0505 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.6447 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6219

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.2072
 VARIANCE= 0.5382
 SKEWNESS= -2.2588
 STD DEVIATION= 0.7336
 KURTOSIS= 10.5864

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5.31	* 0.18
5.91	* 0.18
6.51	* 0.18
7.21	* 0.18
7.81	* 0.18
8.41	* 0.18
9.11	* 0.18
9.81	* 0.19
10.41	* 0.19
11.61	* 0.19
12.91	* 0.22
14.21	* 0.23
15.51	* 0.23
16.81	* 0.23
18.11	* 0.25
20.01	* 0.31
21.91	* 0.33
23.81	* 0.34
25.71	* 0.35
29.31	* 0.37



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0003-SB
 WATER TEMP.: 22

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.19	7.19	0.18
-0.75	8.24	8.45	0.00
-0.50	9.49	9.77	0.01
-0.25	11.01	11.04	0.00
0.00	12.85	12.90	0.04
0.25	15.10	15.48	0.01
0.50	17.88	18.07	0.02
0.75	21.35	21.91	0.08
1.00	25.72	25.70	0.02
1.25	31.26	31.52	0.03
1.50	38.40	38.50	0.03
1.75	47.67	48.11	0.05
2.00	59.89	60.30	0.06
2.25	76.19	76.29	0.13
2.50	98.19	98.70	0.45
2.75	128.23	128.80	0.75
3.00	169.65	169.77	0.81
3.25	227.23	227.39	0.82
3.50	307.75	308.02	0.97
3.75	420.87	421.33	0.86
4.00	580.22	580.72	0.46

TOTAL IMMERSED WEIGHT: 5.865006
 CUM. TOT. WEIGHT: 5.7800
 PERCENT WEIGHT ERROR: -4.6300

04-01-2005
SAMPLE NUMBER: K0003-SB
CUMULATIVE CURVE OF DATA
WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

PHI	WT%	CUM WT%
-1.00	* 3.11	
-0.75	* 3.11	
-0.50	* 3.29	
-0.25	* 3.29	
+0.00	* 3.98	
+0.25	* 4.15	
+0.50	* 4.50	
+0.75	* 5.08	
+1.00	* 6.23	
+1.25	* 6.75	
+1.50	* 7.27	
+1.75	* 8.13	
+2.00	* 9.17	
+2.25	* 11.42	
+2.50	* 19.20	
+2.75	* 32.18	
+3.00	* 46.19	
+3.25	* 60.38	
+3.50	* 77.16	
+3.75	* 92.04	
+4.00	* 100.00	

PHI 5.0000% = 0.5906
PHI 16.0000% = 2.3971
PHI 25.0000% = 2.6117
PHI 50.0000% = 3.0671
PHI 75.0000% = 3.4678
PHI 84.0000% = 3.6149
PHI 95.0000% = 3.8429

MODE= -1.0000 PHI 3.1142 CUM WT%
MODE= -0.5000 PHI 3.2872 CUM WT%
MODE= 0.0000 PHI 3.9792 CUM WT%
MODE= 0.7500 PHI 5.8024 CUM WT%
MODE= 1.2500 PHI 6.7474 CUM WT%
MODE= 3.5000 PHI 77.1626 CUM WT%

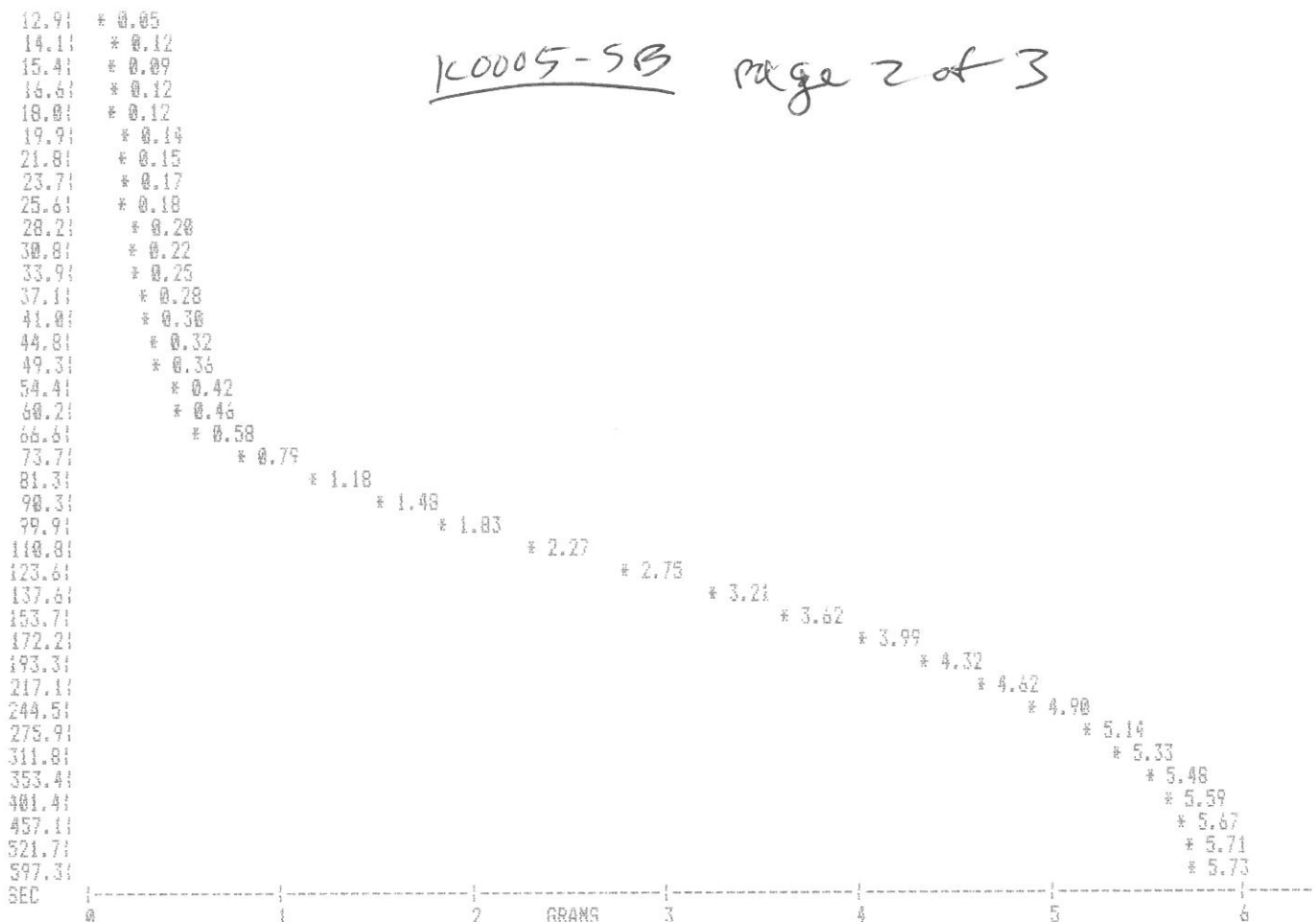
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN: 3.0264 : VERY FINE SAND
INCL GRAPH STD DEV: 0.7972 : MODERATELY SORTED
INCL GRAPH SKEWNESS: -0.3116 : STRONGLY COARSE SKEWED
GRAPHIC KURTOSIS: 1.5569 : VERY LEPTOKURTIC
NORMALIZED KURTOSIS: 0.6009

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X= 2.9814
VARIANCE= 1.0058
SKEWNESS= -2.3009
STD DEVIATION= 1.0029
KURTOSIS= 9.4029

5.21
*-0.10
5.91
*-0.08
6.81
*-0.08
7.21
*-0.07
8.11
*-0.06
8.51
*-0.05
9.41
*-0.05
9.81
*-0.04
10.61
*-0.01
(1 5) x 0 00



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0005-SB
 WATER TEMP.: 22

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.19	7.19	0.00
-0.75	8.24	8.51	0.02
-0.50	9.49	9.77	0.01
-0.25	11.01	11.09	0.05
0.00	12.85	12.85	0.04
0.25	15.10	15.37	0.04
0.50	17.88	17.96	0.03
0.75	21.35	21.80	0.03
1.00	25.72	26.30	0.04
1.25	31.26	31.41	0.03
1.50	38.40	38.44	0.07
1.75	47.67	48.00	0.06
2.00	59.89	60.19	0.11
2.25	76.19	76.18	0.42
2.50	98.19	98.59	0.91
2.75	128.23	128.69	1.13
3.00	169.65	169.66	1.02
3.25	227.23	227.20	0.79
3.50	307.75	307.96	0.58
3.75	420.87	421.22	0.31
4.00	580.22	580.61	0.11

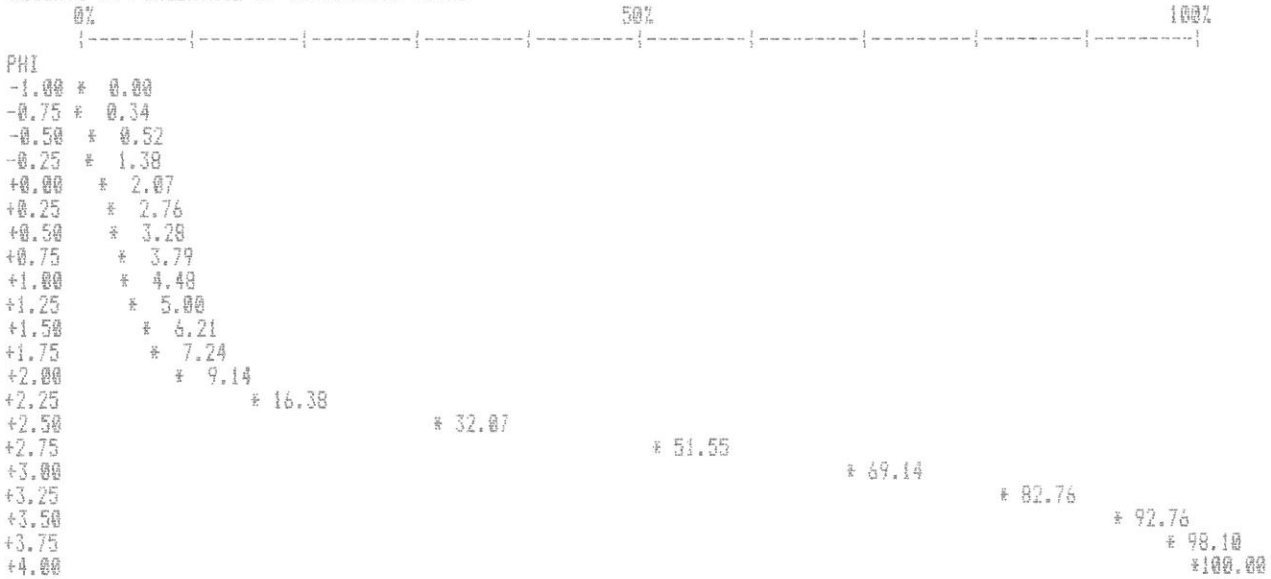
TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.0000
 PERCENT WEIGHT ERROR: -4.3000

04-01-2005

SAMPLE NUMBER: K0005-SB

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	1.2500
PHI	16.0000%	=	2.2369
PHI	25.0000%	=	2.3874
PHI	50.0000%	=	2.7301
PHI	75.0000%	=	3.1076
PHI	84.0000%	=	3.2810
PHI	95.0000%	=	3.6048

MODE=	-0.7500	PHI	0.3448	CUM	WT%
MODE=	-0.2500	PHI	1.3793	CUM	WT%
MODE=	0.2500	PHI	2.7586	CUM	WT%
MODE=	1.0000	PHI	4.4828	CUM	WT%
MODE=	1.5000	PHI	6.2069	CUM	WT%
MODE=	2.7500	PHI	51.5517	CUM	WT%

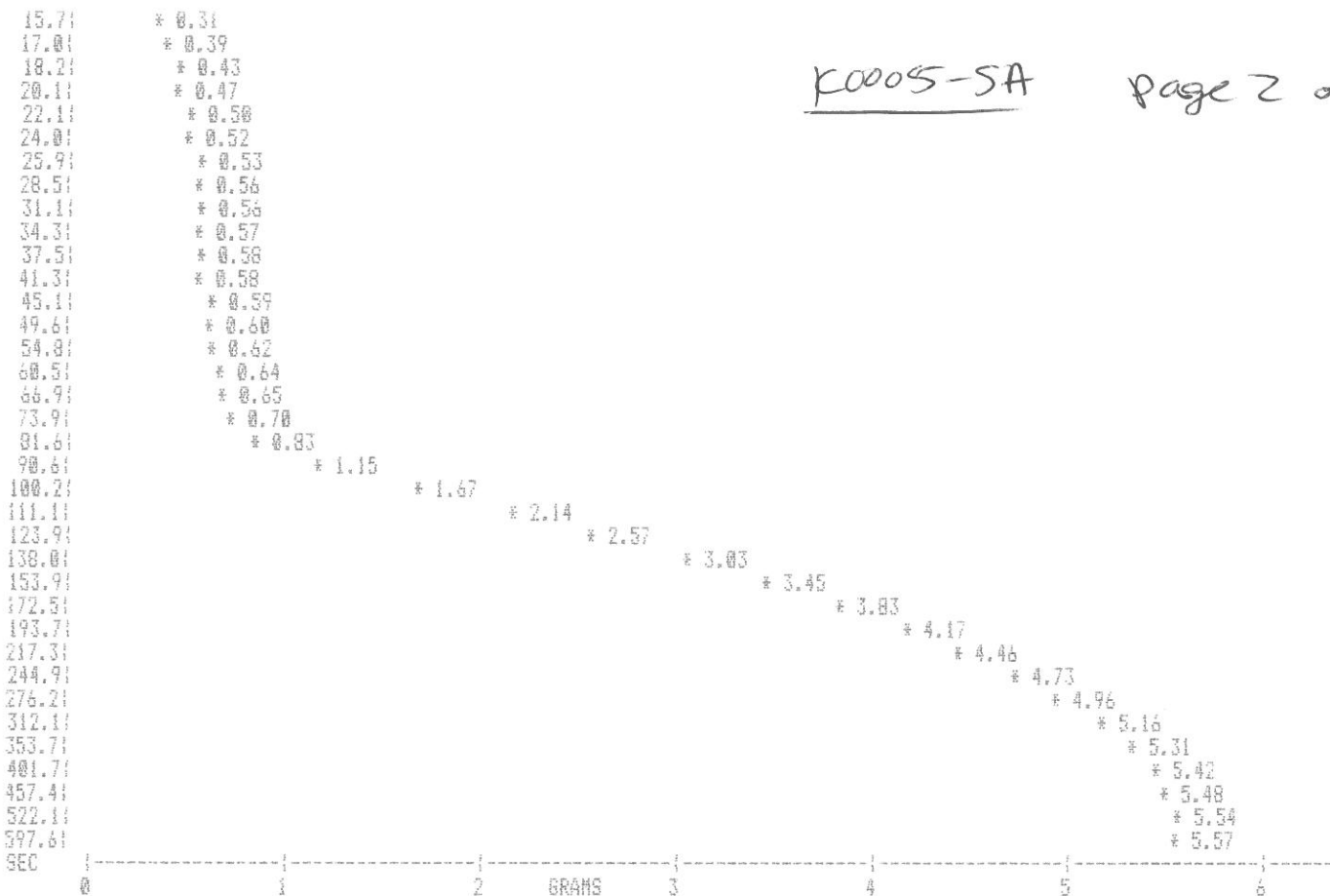
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN:	2.7493	:	FINE SAND
INCL GRAPH STD DEV:	0.6178	:	MODERATELY WELL SORTED
INCL GRAPH SKEWNESS:	-0.1009	:	COARSE SKEWED
GRAPHIC KURTOSIS:	1.3400	:	LEPTOKURTIC
NORMALIZED KURTOSIS:	0.5726	:	

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X=	2.7776
VARIANCE=	0.5643
SKEWNESS=	-1.0715
STD DEVIATION=	0.7512
KURTOSIS=	0.3357

5.4:	*-0.09
6.4:	*-0.09
6.8:	*-0.08
7.5:	*-0.07
8.1:	*-0.05
8.8:	*-0.03
9.5:	* 0.06
10.2:	* 0.10
10.6:	* 0.08
11.9:	* 0.16
13.1:	* 0.21
13.8:	* 0.21



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0005-SA

WATER TEMP.: 22

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT; GRAMS
-1.00	7.19	7.46	0.00
-0.75	8.24	8.78	0.04
-0.50	9.49	9.50	0.09
-0.25	11.01	11.20	0.06
0.00	12.85	13.12	0.09
0.25	15.10	15.10	0.10
0.50	17.08	18.23	0.12
0.75	21.35	21.47	0.06
1.00	25.72	25.92	0.04
1.25	31.26	31.74	0.04
1.50	38.40	38.72	0.01
1.75	47.67	47.67	0.02
2.00	59.89	60.47	0.04
2.25	76.19	76.51	0.08
2.50	98.19	98.26	0.03
2.75	128.23	128.36	1.18
3.00	169.65	169.99	1.05
3.25	227.23	227.61	0.00
3.50	307.75	308.24	0.55
3.75	420.87	420.94	0.32
4.00	500.22	500.34	0.11

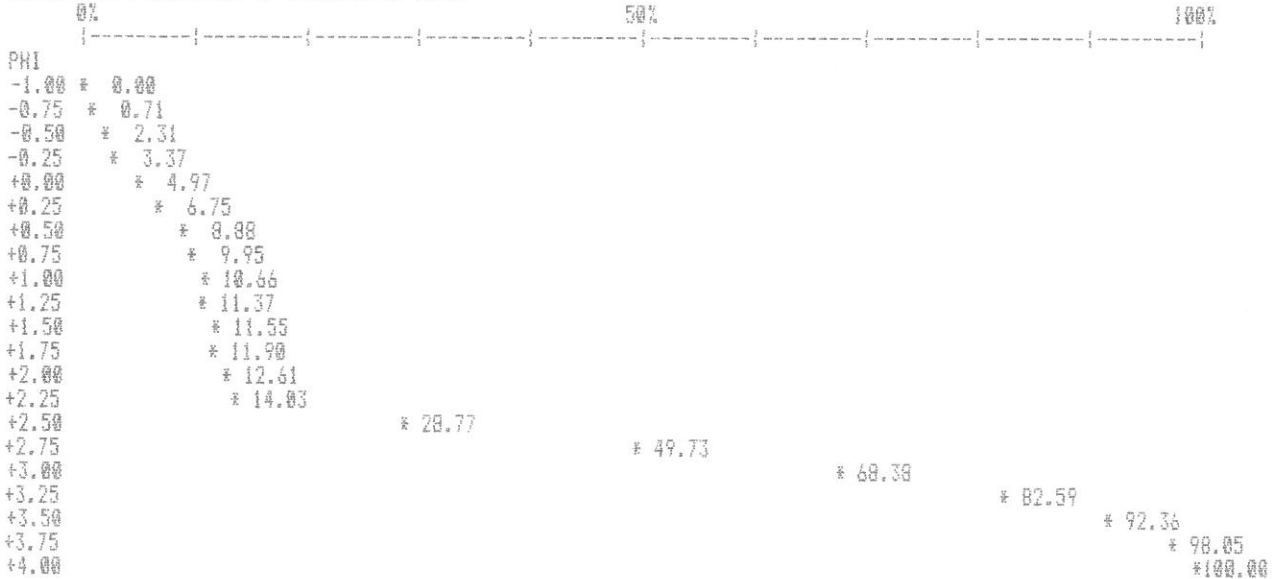
TOTAL IMMersed WEIGHT: 6.060606

CUM. TOT. WEIGHT: 5.6300

PERCENT WEIGHT ERROR: -7.1050

WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0005-SA
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

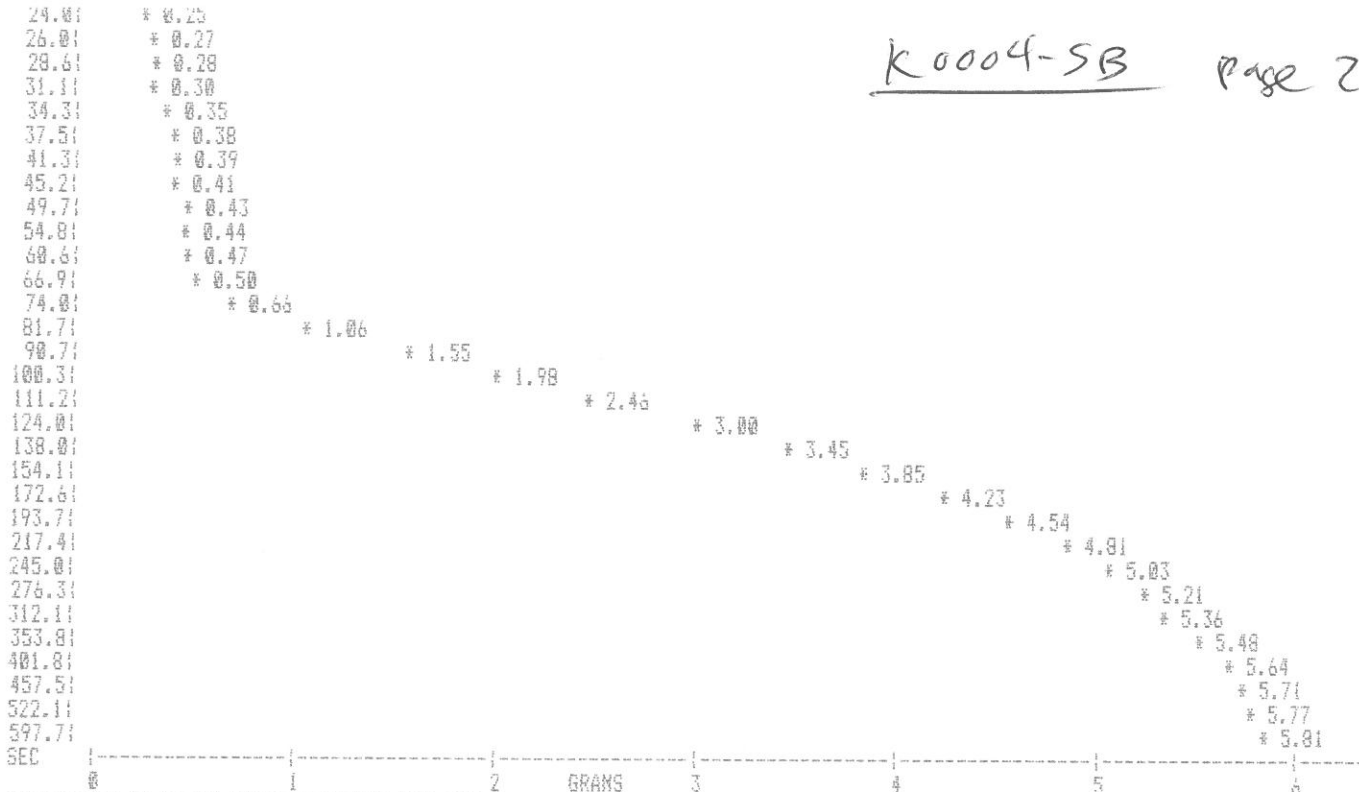


PHI	5.0000%	=	0.0037
PHI	16.0000%	=	2.2834
PHI	25.0000%	=	2.4360
PHI	50.0000%	=	2.7536
PHI	75.0000%	=	3.1164
PHI	84.0000%	=	3.2860
PHI	95.0000%	=	3.6160
MODE=	-0.5000	PHI	2.3091 CUM WT%
MODE=	0.5000	PHI	8.8810 CUM WT%
MODE=	1.2500	PHI	11.3677 CUM WT%
MODE=	2.7500	PHI	49.7336 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.7743 : FINE SAND
 INCL GRAPH STD DEV: 0.7980 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.2302 : COARSE SKEWED
 GRAPHIC KURTOSIS: 2.1758 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6851

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.6776
 VARIANCE= 0.9793
 SKEWNESS= -1.8422
 STD DEVIATION= 0.9896
 KURTOSIS= 5.9945

5.51 *-0.02
 6.21 *-0.02
 6.91 *-0.03
 7.61 *-0.04
 8.21 *-0.03
 8.91 *-0.02
 9.41 * 0.01
 10.01 * 0.05
 10.61 * 0.07
 11.91 * 0.14
 13.21 * 0.18
 14.51 * 0.16
 15.81 * 0.19
 17.01 * 0.21
 18.31 * 0.22
 20.21 * 0.23
 22.11 * 0.24

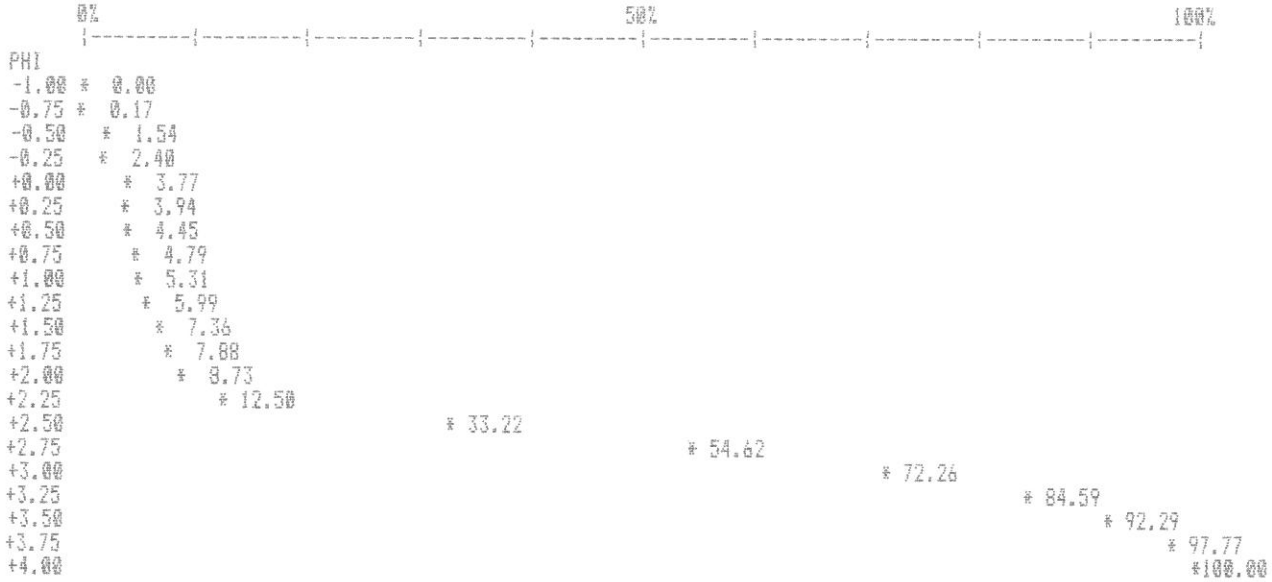


UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0004-SB
 WATER TEMP.: 22

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.19	7.57	0.00
-0.75	8.24	8.23	0.01
-0.50	9.49	9.99	0.00
-0.25	11.01	11.31	0.05
0.00	12.85	13.18	0.00
0.25	15.10	15.15	0.01
0.50	17.88	18.34	0.03
0.75	21.35	21.53	0.02
1.00	25.72	25.97	0.03
1.25	31.26	31.80	0.04
1.50	38.40	38.83	0.08
1.75	47.67	47.78	0.03
2.00	59.89	59.92	0.05
2.25	76.19	76.56	0.22
2.50	98.19	98.37	1.21
2.75	128.23	128.41	1.25
3.00	169.65	170.04	1.03
3.25	227.23	227.66	0.72
3.50	307.75	308.29	0.45
3.75	428.87	421.00	0.32
4.00	580.22	580.39	0.13

TOTAL IMMersed WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.8400
 PERCENT WEIGHT ERROR: -3.6400

04-01-2005
SAMPLE NUMBER: K0004-SB
CUMULATIVE CURVE OF DATA
WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



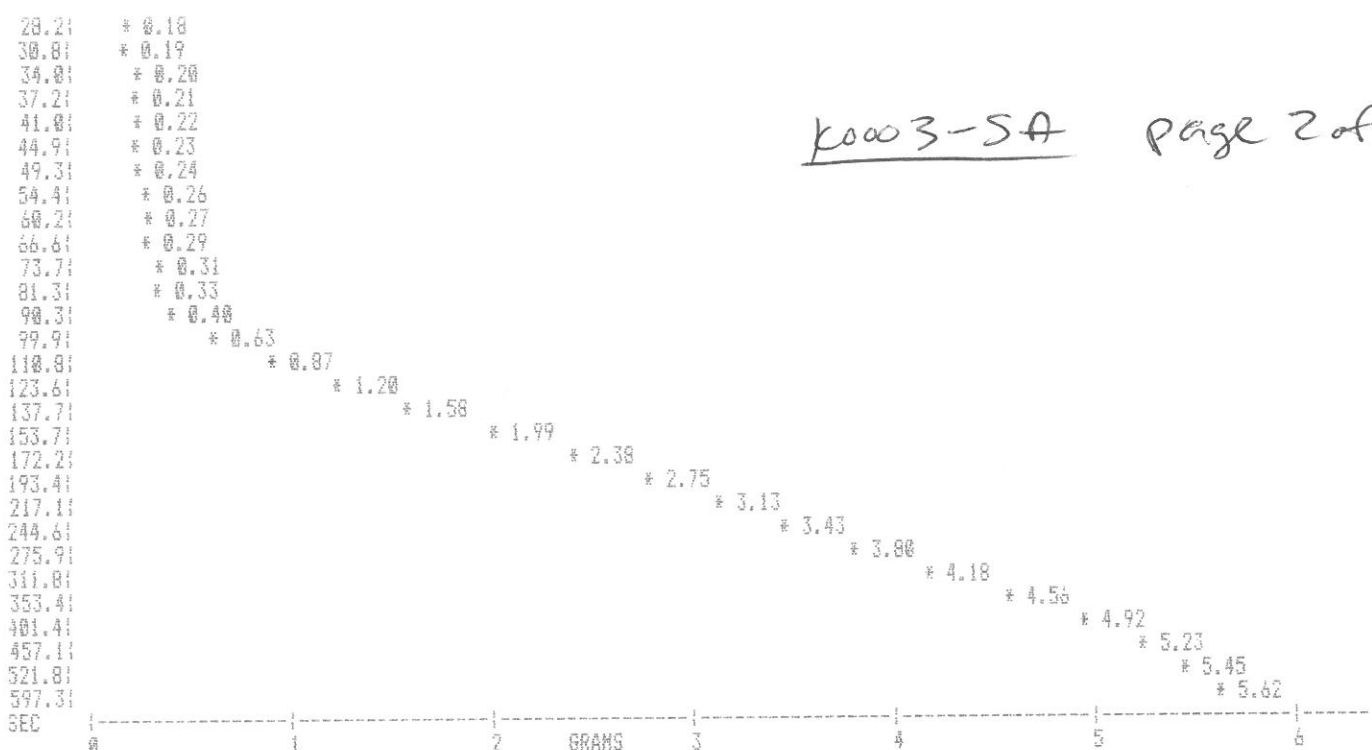
PHI	5.0000%	=	0.8500
PHI	16.0000%	=	2.2922
PHI	25.0000%	=	2.4000
PHI	50.0000%	=	2.6960
PHI	75.0000%	=	3.0556
PHI	84.0000%	=	3.2381
PHI	95.0000%	=	3.6234

NODE=	-0.5000	PHI	1.5411	CUM	WT%
NODE=	0.0000	PHI	3.7671	CUM	WT%
NODE=	0.5000	PHI	4.4521	CUM	WT%
NODE=	1.5000	PHI	7.3630	CUM	WT%
NODE=	2.7500	PHI	54.6233	CUM	WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.7421 : FINE SAND
 INCL GRAPH STD DEV: 0.6567 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.0925 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.7361 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6345

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.7410
 VARIANCE= 0.6563
 SKEWNESS= -2.0687
 STD DEVIATION= 0.8101
 KURTOSIS= 0.6949

5.21	* 0.05
5.81	* 0.05
6.51	* 0.05
7.11	* 0.06
7.71	* 0.06
8.41	* 0.05
9.11	* 0.05
9.71	* 0.06
10.31	* 0.05
11.51	* 0.05
12.91	* 0.08
14.11	* 0.11
15.41	* 0.11
16.71	* 0.12
18.01	* 0.13
19.91	* 0.16
21.81	* 0.17
23.71	* 0.17
25.41	* 0.10

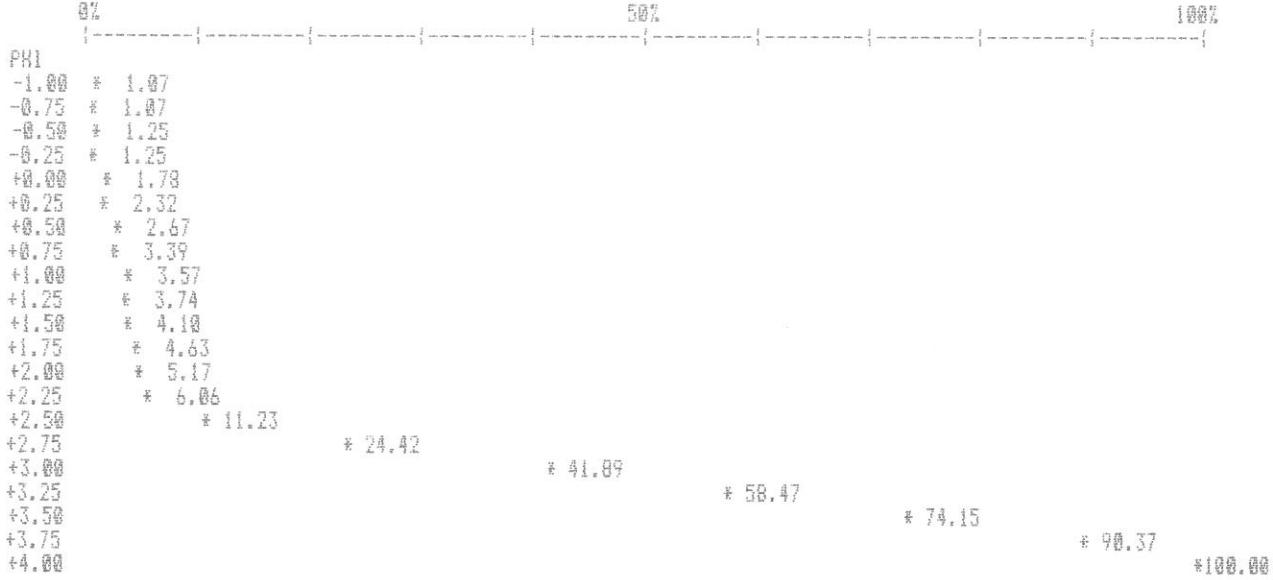


UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0003-SA
 WATER TEMP.: 22

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.19	7.74	0.06
-0.75	8.24	8.40	0.00
-0.50	9.49	9.66	0.01
-0.25	11.01	11.53	0.00
0.00	12.85	12.85	0.03
0.25	15.10	15.37	0.03
0.50	17.08	17.96	0.02
0.75	21.35	21.00	0.04
1.00	25.72	26.30	0.01
1.25	31.26	31.41	0.01
1.50	38.40	38.44	0.02
1.75	47.67	48.05	0.03
2.00	59.89	60.19	0.03
2.25	76.19	76.23	0.05
2.50	98.19	98.64	0.29
2.75	128.23	128.74	0.74
3.00	169.65	169.66	0.98
3.25	227.23	227.28	0.93
3.50	307.75	307.96	0.88
3.75	420.87	421.27	0.91
4.00	580.22	580.67	0.54

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.6100
 PERCENT WEIGHT ERROR: -7.4350
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0003-SA
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	1.9200
PHI	16.0000%	=	2.5904
PHI	25.0000%	=	2.7583
PHI	50.0000%	=	3.1223
PHI	75.0000%	=	3.5130
PHI	84.0000%	=	3.6518
PHI	95.0000%	=	3.8701

MODE=	-1.0000	PHI	1.0695	CUM	WT%
MODE=	-0.5000	PHI	1.2478	CUM	WT%
MODE=	0.2500	PHI	2.3173	CUM	WT%
MODE=	0.7500	PHI	3.3868	CUM	WT%
MODE=	3.0000	PHI	41.8895	CUM	WT%
MODE=	3.7500	PHI	90.3743	CUM	WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

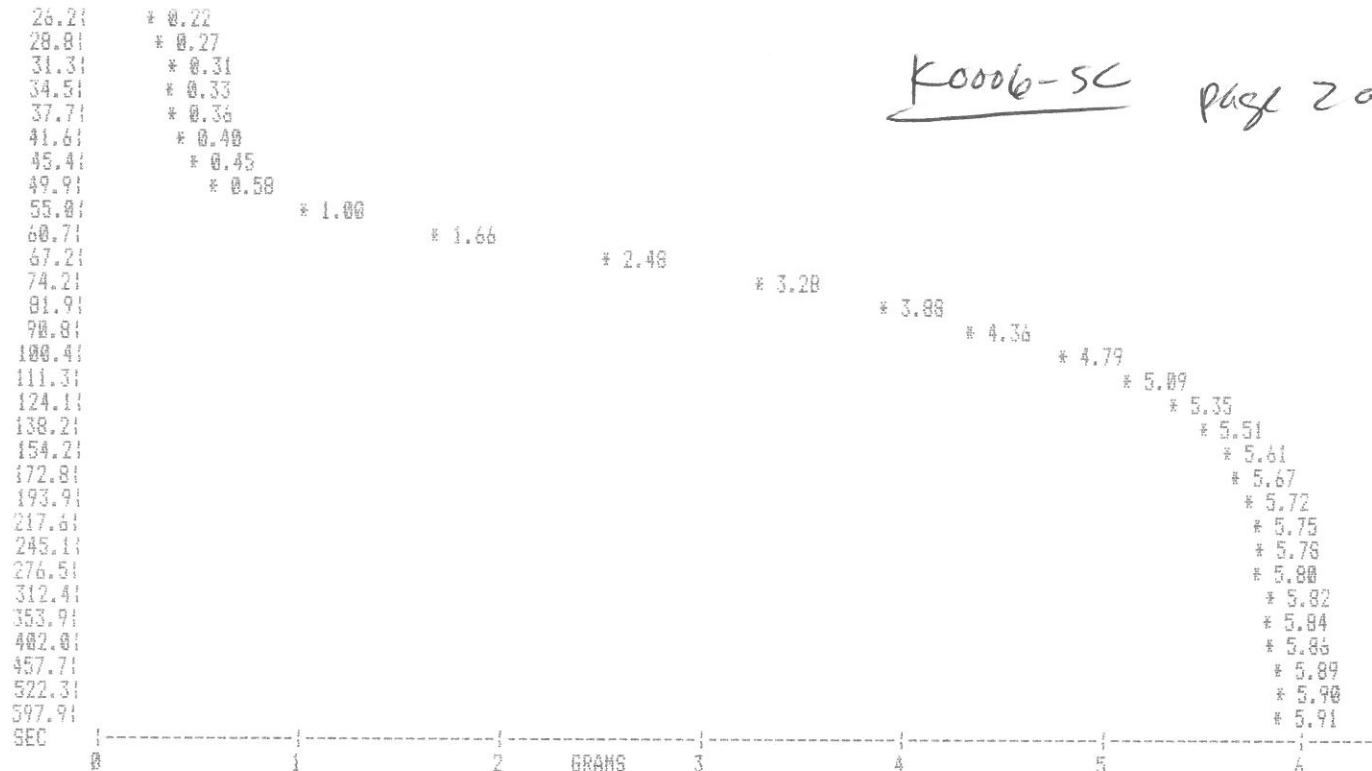
GRAPHIC MEAN:	3.1215	:	VERY FINE SAND
INCL GRAPH STD DEV:	0.5607	:	MODERATELY WELL SORTED
INCL GRAPH SKEWNESS:	-0.1175	:	COARSE SKEWED
GRAPHIC KURTOSIS:	1.0585	:	MESOKURTIC
NORMALIZED KURTOSIS:	0.5142	:	

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X=	3.1435
VARIANCE=	0.6169
SKEWNESS=	-2.6010
STD DEVIATION=	0.7854
KURTOSIS=	13.0908

5.71	* 0.01
6.41	* 0.02
7.01	* 0.02
7.61	* 0.04
8.31	* 0.06
8.91	* 0.09
9.61	* 0.11
10.21	* 0.10
10.91	* 0.13
12.11	* 0.15
13.41	* 0.16
14.71	* 0.16
16.01	* 0.14
17.21	* 0.16
18.51	* 0.13
20.41	* 0.16
22.41	* 0.18
24.31	* 0.20

K0006-SC page 2 of 3



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0006-SC
 WATER TEMP.: 22

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.19	7.63	0.04
-0.75	8.24	8.29	0.02
-0.50	9.49	9.61	0.05
-0.25	11.01	11.53	0.03
0.00	12.85	13.40	0.02
0.25	15.10	15.32	0.00
0.50	17.88	17.90	0.00
0.75	21.35	21.75	0.03
1.00	25.72	26.19	0.04
1.25	31.26	31.30	0.09
1.50	38.40	38.39	0.05
1.75	47.67	47.94	0.13
2.00	59.09	60.14	1.09
2.25	76.19	76.78	1.92
2.50	98.19	98.53	1.22
2.75	128.23	128.63	0.69
3.00	169.65	170.26	0.26
3.25	227.23	227.22	0.09
3.50	307.75	307.91	0.06
3.75	420.07	421.16	0.04
4.00	580.22	580.56	0.05

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.9200
 PERCENT WEIGHT ERROR: -2.3200

04-01-2005
 SAMPLE NUMBER: K0006-SS
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

PHI	0%	50%	100%	
-1.00	* 0.60			
-0.75	* 1.01			
-0.50	* 1.86			
-0.25	* 2.36			
+0.00	* 2.70			
+0.25	* 2.70			
+0.50	* 2.70			
+0.75	* 3.21			
+1.00	* 3.89			
+1.25	* 5.41			
+1.50	* 6.25			
+1.75	* 8.45			
+2.00		* 26.86		
+2.25			* 59.29	
+2.50				* 79.90
+2.75				* 91.55
+3.00				* 95.95
+3.25				* 97.47
+3.50				* 98.48
+3.75				* 99.16
+4.00				* 100.00

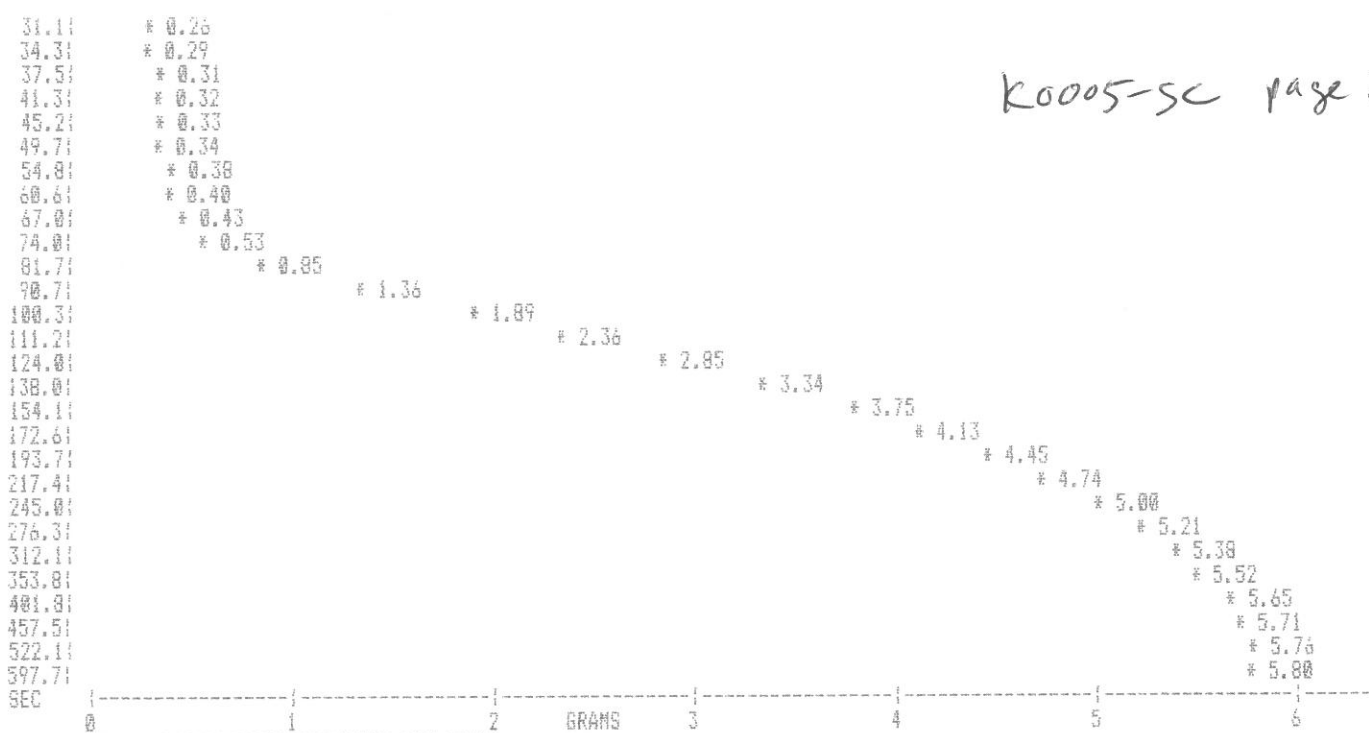
PHI 5.0000% = 1.1833
PHI 16.0000% = 1.9526
PHI 25.0000% = 1.9748
PHI 50.0000% = 2.1794
PHI 75.0000% = 2.4406
PHI 84.0000% = 2.5880
PHI 95.0000% = 2.9462

MODE= -1.0000 PHI 0.6757 CUM WT%
MODE= -0.5000 PHI 1.8501 CUM WT%
MODE= 1.2500 PHI 5.4054 CUM WT%
MODE= 2.2500 PHI 59.2905 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.2063 : FINE SAND
 INCL GRAPH STD DEV: 0.4507 : WELL SORTED
 INCL GRAPH SKEWNESS: -0.0075 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.5510 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6000

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.2753
 VARIANCE= 0.4115
 SKEWNESS= -2.1329
 STD DEVIATION= 0.6415
 KURTOSIS= 12.3296

5.51 * 0.05
6.21 * 0.06
6.81 * 0.04
7.51 * 0.03
8.11 * 0.02
8.71 * 0.01
9.41 * 0.02
10.11 * 0.06
10.81 * 0.08
11.91 * 0.12
13.21 * 0.10
14.51 * 0.12
15.81 * 0.11
17.01 * 0.11
18.31 * 0.14
20.31 * 0.17
22.21 * 0.19
24.11 * 0.20
26.01 * 0.23
28.11 * 0.25



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0005-SC

WATER TEMP.: 22

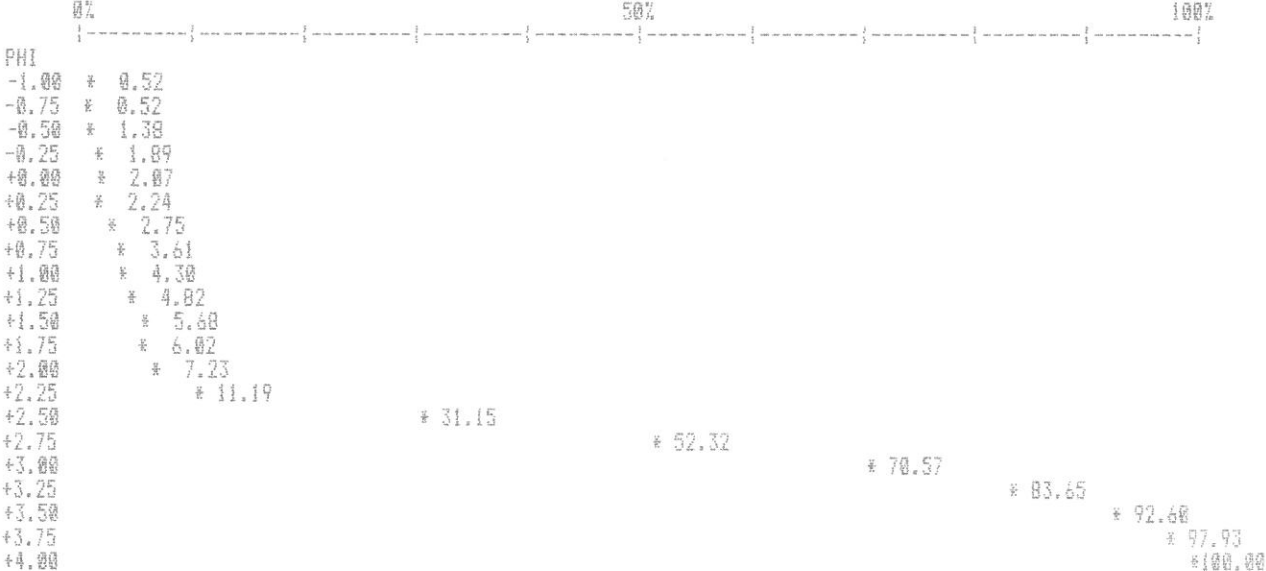
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.19	7.46	0.03
-0.75	8.24	8.73	0.04
-0.50	9.49	10.05	0.05
-0.25	11.01	11.31	0.03
0.00	12.85	13.23	0.01
0.25	15.10	15.15	0.01
0.50	17.88	18.34	0.03
0.75	21.35	21.53	0.05
1.00	25.72	26.03	0.04
1.25	31.26	31.80	0.03
1.50	38.40	38.83	0.05
1.75	47.67	47.78	0.02
2.00	59.89	59.92	0.07
2.25	76.19	76.56	0.23
2.50	98.19	98.37	1.16
2.75	128.23	128.41	1.23
3.00	169.65	170.04	1.06
3.25	227.23	227.66	0.76
3.50	307.75	308.35	0.52
3.75	420.87	421.00	0.31
4.00	580.22	580.39	0.12

TOTAL IMMersed WEIGHT: 6.060606

CUM. TOT. WEIGHT: 5.8100

PERCENT WEIGHT ERROR: -4.1350

04-01-2005
SAMPLE NUMBER: K0005-SC
CUMULATIVE CURVE OF DATA
WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

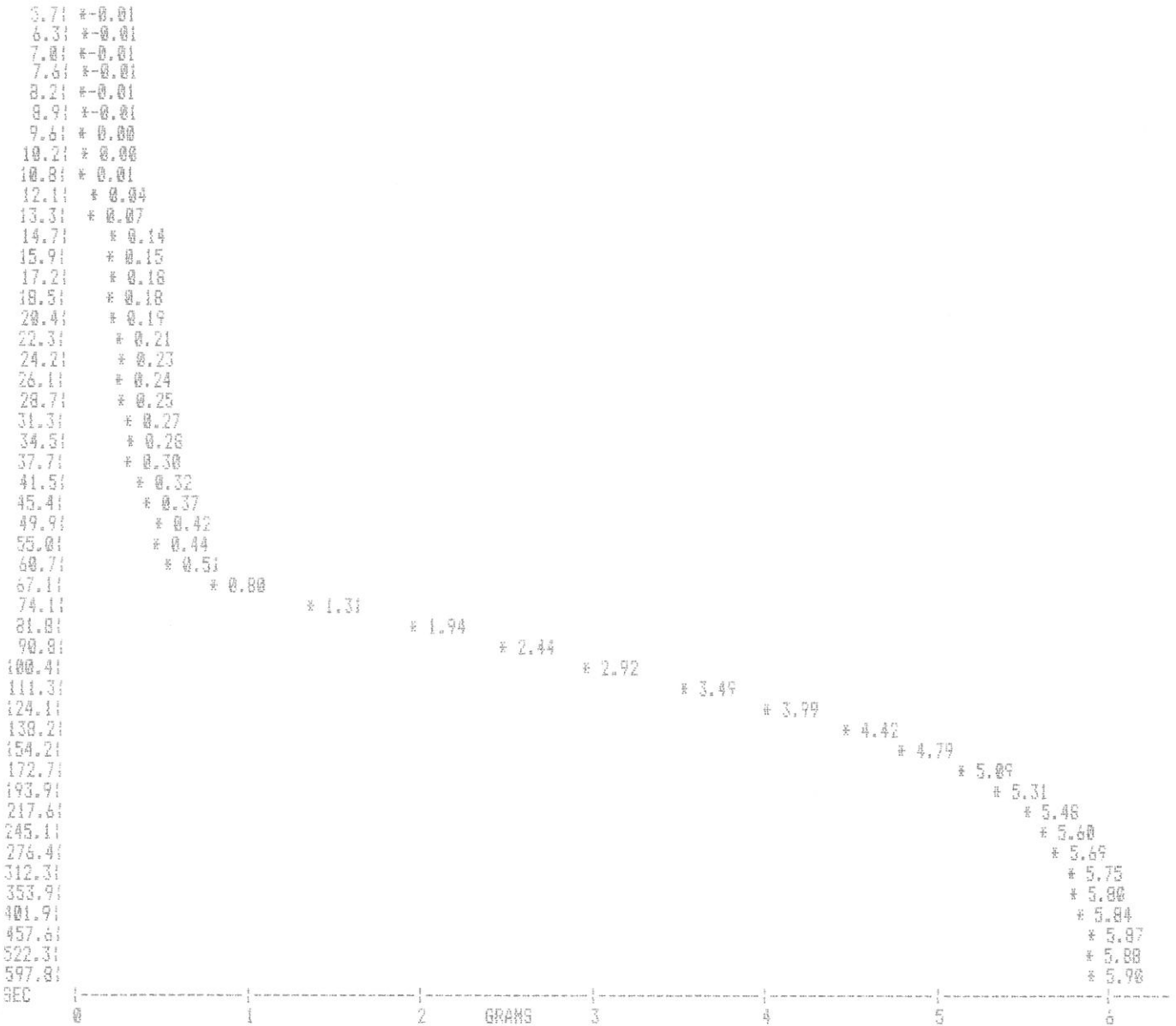


PHI 5.0000% = 1.3025
 PHI 16.0000% = 2.3103
 PHI 25.0000% = 2.4230
 PHI 50.0000% = 2.7226
 PHI 75.0000% = 3.0847
 PHI 84.0000% = 3.2598
 PHI 95.0000% = 3.6125

MODE= -1.0000 PHI 0.5164 CUM WTZ
 MODE= -0.5000 PHI 1.3769 CUM WTZ
 MODE= 0.7500 PHI 3.6145 CUM WTZ
 MODE= 1.5000 PHI 5.6799 CUM WTZ
 MODE= 2.7500 PHI 52.3236 CUM WTZ

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.7642 : FINE SAND
 INCL GRAPH STD DEV: 0.5874 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.0490 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.4306 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5886

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.7939
 VARIANCE= 0.5512
 SKEWNESS= -2.2168
 STD DEVIATION= 0.7424
 KURTOSIS= 10.7007



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0015

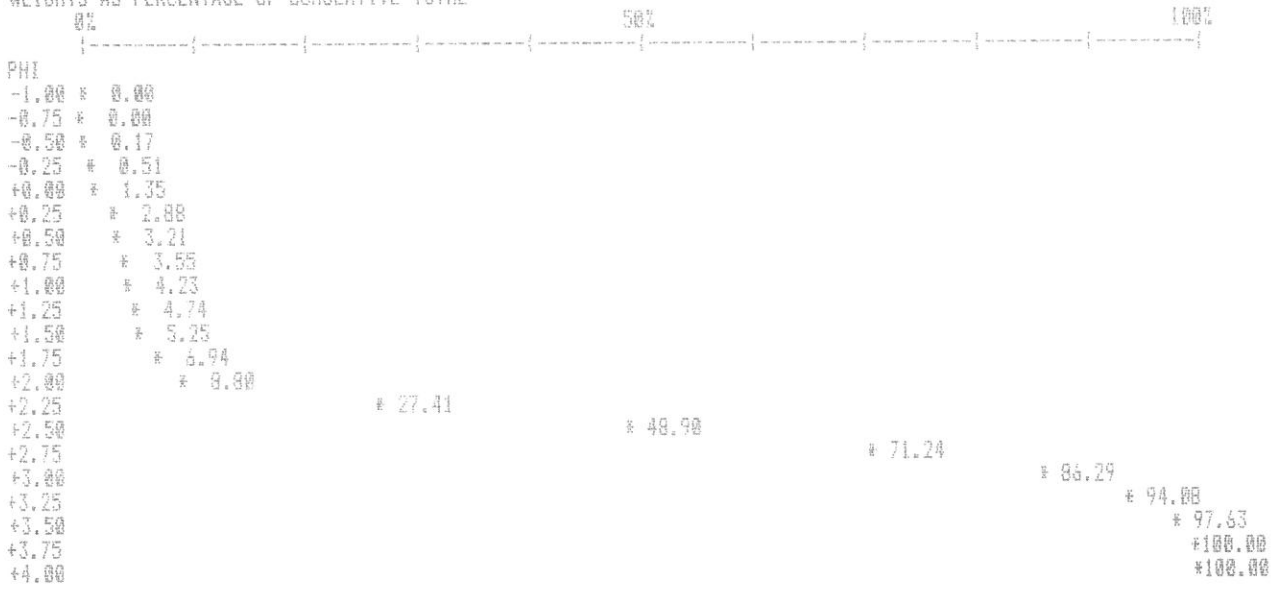
WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBGERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.63	0.00
-0.75	8.25	8.23	0.00
-0.50	9.51	9.55	0.01
-0.25	11.03	11.47	0.02
0.00	12.80	13.34	0.05
0.25	15.14	15.32	0.09
0.50	17.95	18.45	0.02
0.75	21.44	21.69	0.02
1.00	25.85	26.14	0.04
1.25	31.45	31.96	0.03
1.50	38.67	38.99	0.03
1.75	48.08	48.55	0.10
2.00	60.49	60.74	0.11
2.25	77.07	77.39	1.10
2.50	99.49	99.79	1.27
2.75	130.15	130.50	1.32
3.00	172.49	172.74	0.89
3.25	231.39	231.67	0.44

3.50 313.83 314.22 0.21
 3.75 429.69 430.12 0.14
 4.00 592.96 593.36 0.00
 TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.9100
 PERCENT WEIGHT ERROR: -2.4850

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@4-01-2005
 SAMPLE NUMBER: K0015
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 1.3792
 PHI 15.0000% = 2.0967
 PHI 25.0000% = 2.2176
 PHI 50.0000% = 2.5123
 PHI 75.0000% = 2.8125
 PHI 84.0000% = 2.9619
 PHI 95.0000% = 3.3149
 NODE= 0.2500 PHI 2.8765 CUM WT%
 NODE= 1.0000 PHI 4.2301 CUM WT%
 NODE= 2.7500 PHI 71.2352 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.5236 : FINE SAND
 INCL GRAPH STD DEV: 0.5096 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.0657 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.3336 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5715

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.5821
 VARIANCE= 0.4099
 SKEWNESS= -1.8351
 STD DEVIATION= 0.6403
 KURTOSIS= 0.7239

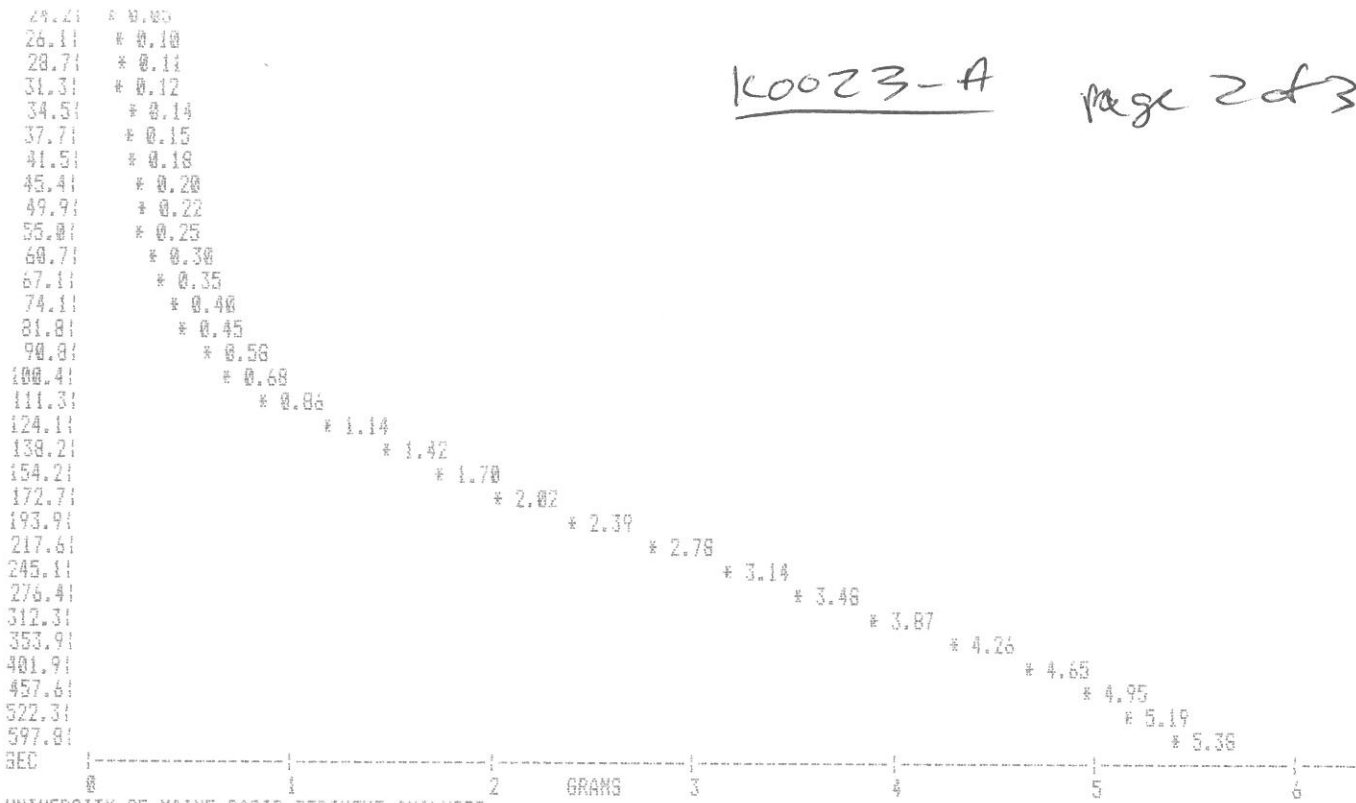
K0023-A

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5.71 * 0.00
 6.31 * 0.00
 7.01 * 0.00
 7.61 * 0.00
 8.21 * 0.00
 8.91 * 0.00
 9.61 * 0.00
 10.21 * 0.00
 10.81 * 0.00
 12.11 * 0.00
 13.31 * 0.00
 14.61 * 0.00
 15.91 * 0.01
 17.21 * 0.03
 18.51 * 0.02
 20.41 * 0.03
 22.31 * 0.07

K0023-A

page 2 of 3



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0023-A
 WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.63	0.00
-0.75	8.25	8.23	0.00
-0.50	9.51	9.55	0.00
-0.25	11.03	11.47	0.00
0.00	12.88	13.34	0.00
0.25	15.14	15.26	0.01
0.50	17.95	18.45	0.01
0.75	21.44	21.69	0.02
1.00	25.85	26.14	0.06
1.25	31.45	31.96	0.03
1.50	38.67	38.94	0.03
1.75	48.08	48.55	0.05
2.00	60.49	60.74	0.09
2.25	77.07	77.39	0.12
2.50	99.49	99.79	0.25
2.75	130.15	130.50	0.61
3.00	172.49	172.74	0.74
3.25	231.39	231.62	0.95
3.50	313.83	314.22	0.91
3.75	429.69	430.12	0.93
4.00	592.96	593.36	0.56

TOTAL IMMERSED WEIGHT: 5.060606
 CUM. TOT. WEIGHT: 5.3700
 PERCENT WEIGHT ERROR: -11.3950
 WEIGHT ERROR >5%

K0014 page 2 of 3

23.71
25.61
28.21
30.81
34.01
37.21
41.01
44.91
49.41
54.51
60.31
66.61
73.71
81.31
90.31
100.01
110.01
123.61
137.71
153.71
172.21
193.41
217.11
244.61
275.91
311.81
353.41
401.51
457.11
521.81
597.41
SEC

* 5.51
* 5.62
* 5.75
* 5.85
* 5.87
* 5.91
* 5.93
* 5.96
* 5.94
* 5.95
* 5.96
* 5.97
* 5.97
* 5.97
* 5.97
* 5.97
* 5.98
* 5.98
* 5.96
* 5.99
* 5.99
* 6.00
* 6.01
* 6.02
* 6.04
* 6.03
* 6.04
* 6.04



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

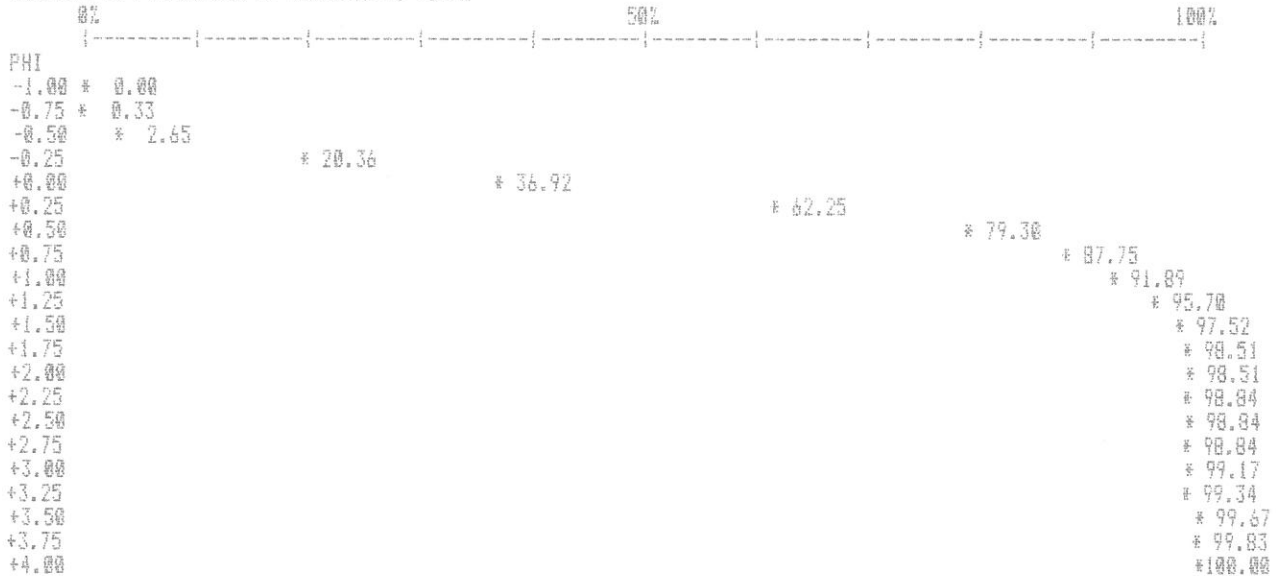
SAMPLE NUMBER: K0014

WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.79	0.00
-0.75	8.25	8.48	0.02
-0.50	9.51	9.66	0.14
-0.25	11.03	11.58	1.07
0.00	12.88	12.85	1.00
0.25	15.14	15.43	1.53
0.50	17.95	18.01	1.03
0.75	21.44	21.00	0.51
1.00	25.85	26.47	0.25
1.25	31.45	31.63	0.23
1.50	38.67	39.10	0.11
1.75	48.08	48.11	0.06
2.00	60.49	61.07	0.00
2.25	77.07	77.49	0.02
2.50	99.49	99.96	0.00
2.75	130.15	130.66	0.00
3.00	172.49	173.12	0.02
3.25	231.39	231.78	0.01
3.50	313.83	314.39	0.02
3.75	429.69	430.28	0.01
4.00	592.96	593.52	0.01

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.0400
 PERCENT WEIGHT ERROR: -0.3400

04-01-2005
 SAMPLE NUMBER: K0014
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



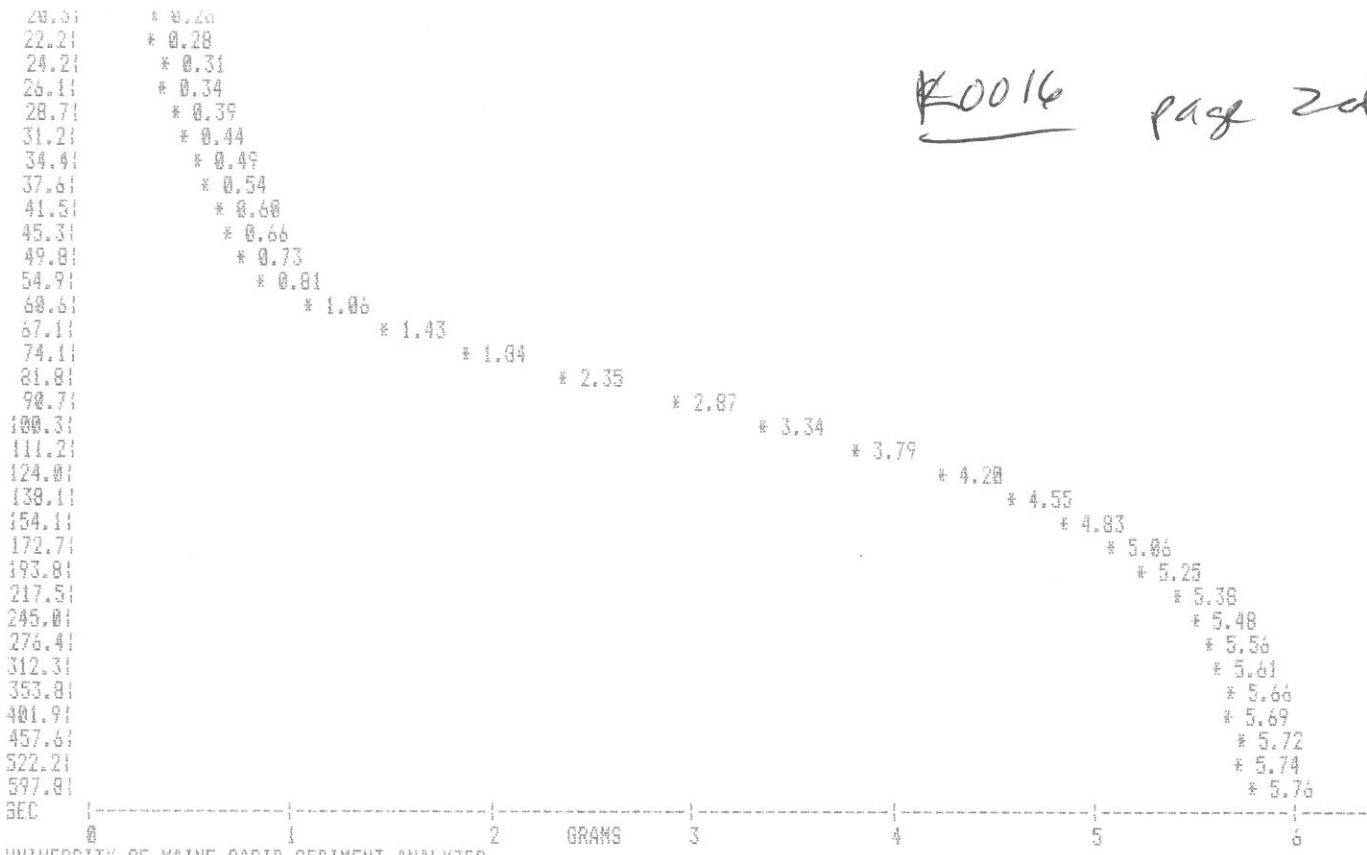
PHI	5.0000%	=	-0.4668
PHI	16.0000%	=	-0.3116
PHI	25.0000%	=	-0.1800
PHI	50.0000%	=	0.1291
PHI	75.0000%	=	0.4369
PHI	84.0000%	=	0.6390
PHI	95.0000%	=	1.2043

NODE=	-0.2500	PHI	20.3642	CUM	WT%
NODE=	0.2500	PHI	62.2517	CUM	WT%
NODE=	2.2500	PHI	98.8411	CUM	WT%
NODE=	3.0000	PHI	99.1722	CUM	WT%
NODE=	3.5000	PHI	99.6689	CUM	WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 0.1522 : COARSE SAND
 INCL GRAPH STD DEV: 0.4909 : WELL SORTED
 INCL GRAPH SKEWNESS: 0.1798 : FINE SKEWED
 GRAPHIC KURTOSIS: 1.1103 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5261

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 0.3344
 VARIANCE= 0.3395
 SKEWNESS= 2.1506
 STD DEVIATION= 0.5827
 KURTOSIS= 11.6048

5.61	* 0.00
6.31	* 0.00
6.91	* 0.00
7.51	* 0.00
8.21	* 0.00
8.81	* 0.00
9.41	* 0.01
10.11	* 0.02
10.81	* 0.03
12.01	* 0.03
13.31	* 0.05
14.61	* 0.15
15.81	* 0.23
17.11	* 0.23
18.41	* 0.24



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0016

WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.52	0.00
-0.75	8.25	8.84	0.00
-0.50	9.51	10.10	0.02
-0.25	11.03	11.36	0.01
0.00	12.88	13.29	0.02
0.25	15.14	15.21	0.15
0.50	17.95	18.40	0.04
0.75	21.44	21.58	0.04
1.00	25.85	26.08	0.06
1.25	31.45	31.85	0.11
1.50	38.67	38.88	0.11
1.75	48.08	48.49	0.15
2.00	60.49	60.63	0.35
2.25	77.07	77.28	1.02
2.50	99.49	99.68	1.23
2.75	130.15	130.44	1.06
3.00	172.49	172.68	0.69
3.25	231.39	231.56	0.38
3.50	313.83	314.17	0.18
3.75	429.69	430.06	0.89
4.00	592.96	593.30	0.05

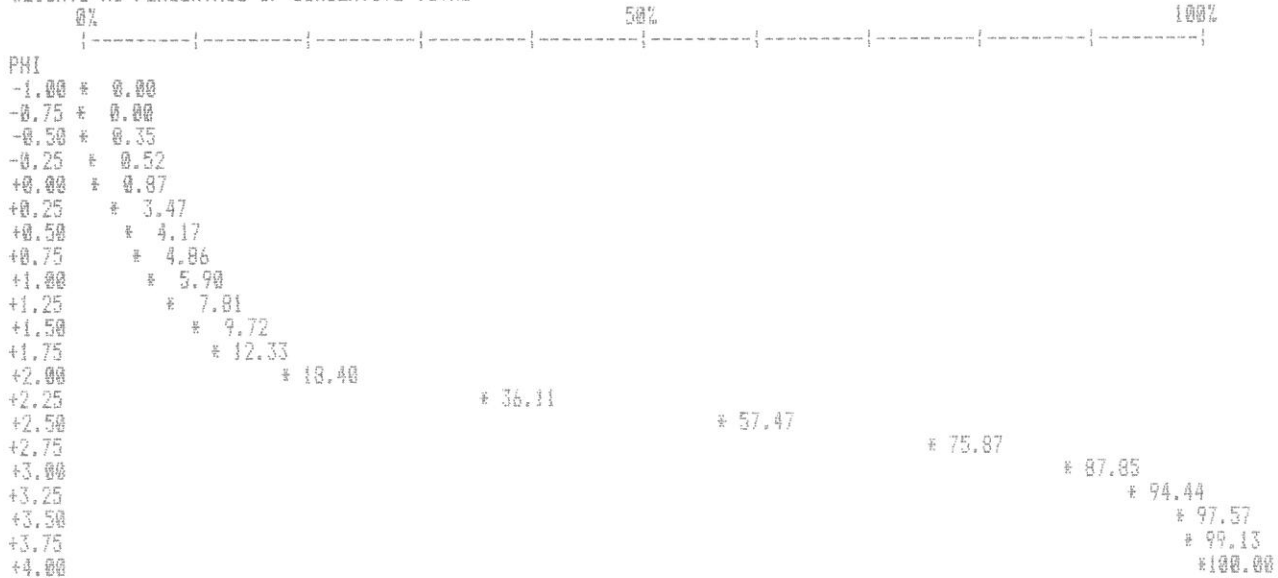
TOTAL IMMersed WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.7600
 PERCENT WEIGHT ERROR: -4.9600

04-01-2005

SAMPLE NUMBER: K0016

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	0.7833
PHI	10.0000%	=	1.9011
PHI	25.0000%	=	2.0931
PHI	50.0000%	=	2.4126
PHI	75.0000%	=	2.7382
PHI	84.0000%	=	2.9197
PHI	95.0000%	=	3.2944

MODE=	-0.5000	PHI	0.3472	CUM	WT%
MODE=	0.2500	PHI	3.4722	CUM	WT%
MODE=	2.5000	PHI	57.4653	CUM	WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN:	2.4112	:	FINE SAND
INCL GRAPH STD DEV:	0.6351	:	MODERATELY WELL SORTED
INCL GRAPH SKEWNESS:	-0.1510	:	COARSE SKEWED
GRAPHIC KURTOSIS:	1.5954	:	VERY LEPTOKURTIC
NORMALIZED KURTOSIS:	0.6147	:	

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X=	2.4579
VARIANCE=	0.5122
SKEWNESS=	-1.3227
STD DEVIATION=	0.7157
KURTOSIS=	5.8936

5.4:	* 0.00
6.0:	* 0.00
6.7:	* 0.00
7.3:	* 0.00
8.0:	* 0.00
8.6:	* 0.01
9.2:	* 0.02
9.9:	* 0.04
10.5:	* 0.09
11.0:	* 0.34
13.1:	* 0.92
14.3:	* 1.32
15.6:	* 1.86
16.9:	* 2.47
18.2:	* 2.78
20.1:	* 3.43
22.0:	* 3.86

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23.91
25.91
28.51
31.01
34.21
37.41
41.21
45.11
49.51
54.71
60.41
66.81
73.91
81.61
90.51
100.11
111.01
123.81
137.91
153.91
172.51
193.61
217.31
244.81
276.21
312.01
353.61
401.71
457.41
522.01
597.51

* 3.12
* 4.31
* 4.54
* 4.64
* 4.69
* 4.78
* 4.91
* 4.97
* 5.02
* 5.05
* 5.09
* 5.12
* 5.17
* 5.20
* 5.24
* 5.27
* 5.31
* 5.34
* 5.38
* 5.41
* 5.44
* 5.47
* 5.50
* 5.53
* 5.55
* 5.58
* 5.62
* 5.65
* 5.68
* 5.71
* 5.73



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
04-01-2005
SAMPLE NUMBER: K0023-B
WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.30	0.00
-0.75	8.25	8.62	0.01
-0.50	9.51	9.88	0.03
-0.25	11.03	11.14	0.15
0.00	12.88	13.07	0.73
0.25	15.14	15.65	0.94
0.50	17.95	18.18	0.92
0.75	21.44	22.02	1.07
1.00	25.85	25.86	0.46
1.25	31.45	31.80	0.35
1.50	38.67	38.66	0.18
1.75	48.08	48.27	0.17
2.00	60.49	61.24	0.09
2.25	77.07	77.11	0.08
2.50	99.49	99.47	0.09
2.75	130.15	130.22	0.09
3.00	172.49	172.46	0.08
3.25	231.39	232.00	0.07
3.50	313.83	313.95	0.07
3.75	429.69	429.04	0.09
4.00	592.96	593.03	0.05

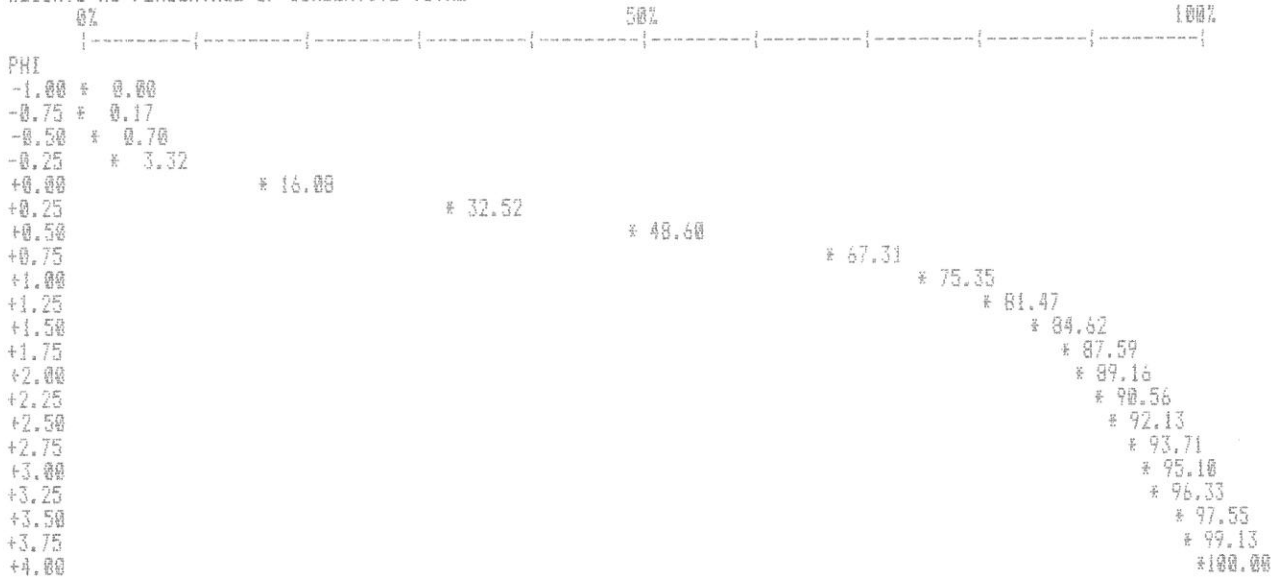
TOTAL IMMERSSED WEIGHT: 6.060606
CUM. TOT. WEIGHT: 5.7200
PERCENT WEIGHT ERROR: -5.6200
WEIGHT ERROR >5%

04-01-2005

SAMPLE NUMBER: K0023-B

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

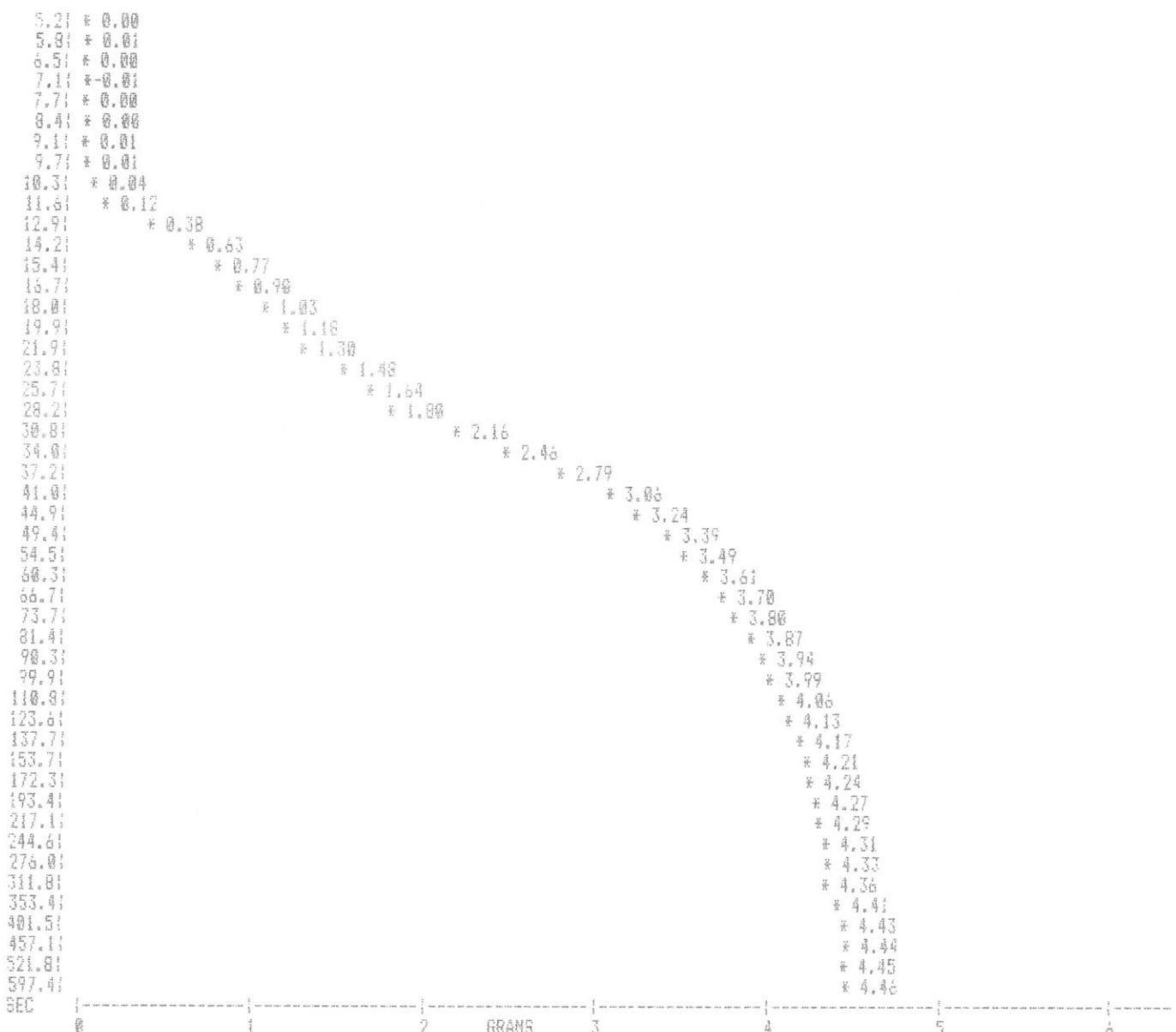


PHI 5.0000% = -0.2171
 PHI 16.0000% = -0.0016
 PHI 25.0000% = 0.1356
 PHI 50.0000% = 0.5187
 PHI 75.0000% = 0.9891
 PHI 84.0000% = 1.4511
 PHI 95.0000% = 2.9812

MODE= 0.2500 PHI 32.5175 CUM WT%
 MODE= 0.7500 PHI 67.3077 CUM WT%
 MODE= 2.5000 PHI 92.1329 CUM WT%
 MODE= 3.7500 PHI 99.1259 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 0.6561 ; COARSE SAND
 INCL GRAPH STD DEV: 0.8478 ; MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.4118 ; STRONGLY FINE SKEWED
 GRAPHIC KURTOSIS: 1.5358 ; VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6056

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 0.8715
 VARIANCE= 0.8552
 SKEWNESS= 1.5643
 STD DEVIATION= 0.9248
 KURTOSIS= 5.1414

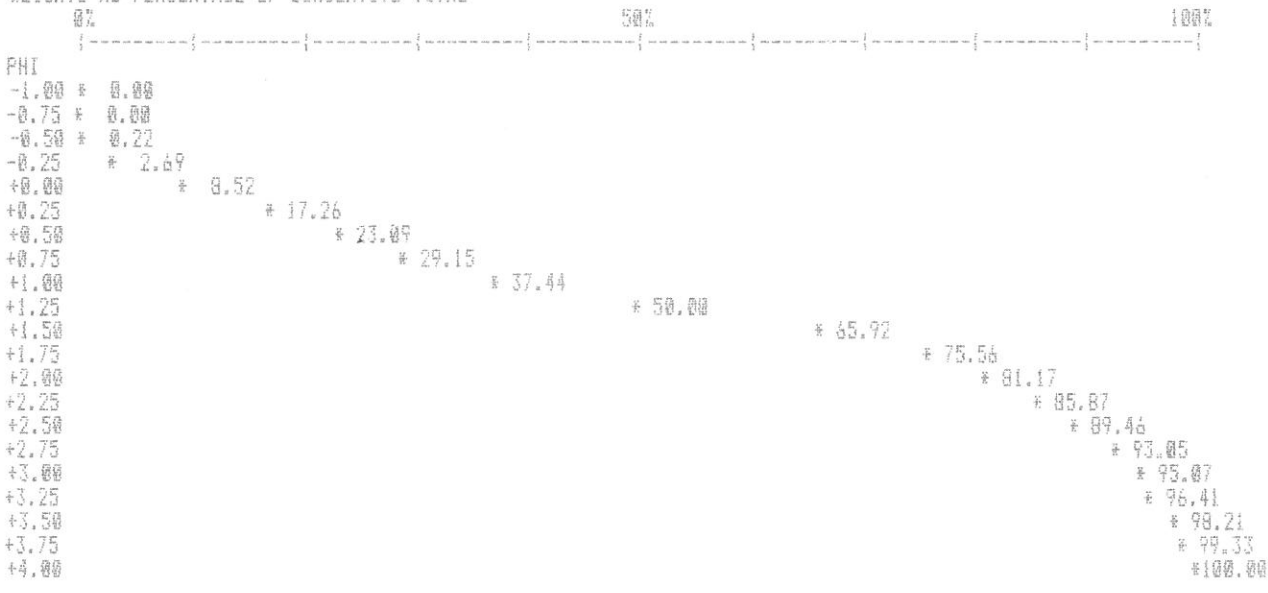


UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0010
 WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.74	0.00
-0.75	8.25	8.40	0.00
-0.50	9.51	9.72	0.01
-0.25	11.03	11.58	0.11
0.00	12.88	12.90	0.26
0.25	15.14	15.43	0.39
0.50	17.95	18.01	0.26
0.75	21.44	21.86	0.27
1.00	25.85	26.36	0.37
1.25	31.45	31.52	0.56
1.50	38.67	39.10	0.71
1.75	48.08	48.71	0.43
2.00	60.49	61.02	0.25
2.25	77.07	77.55	0.21
2.50	99.49	99.90	0.16
2.75	130.15	130.66	0.16
3.00	172.49	173.07	0.09
3.25	231.39	231.78	0.06
3.50	313.83	314.39	0.08
3.75	429.69	430.28	0.05
4.00	592.96	593.46	0.03

TOTAL IMMERSSED WEIGHT: 4.484848
 CUM. TOT. WEIGHT: 4.4600

04-01-2005
 SAMPLE NUMBER: K0010
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



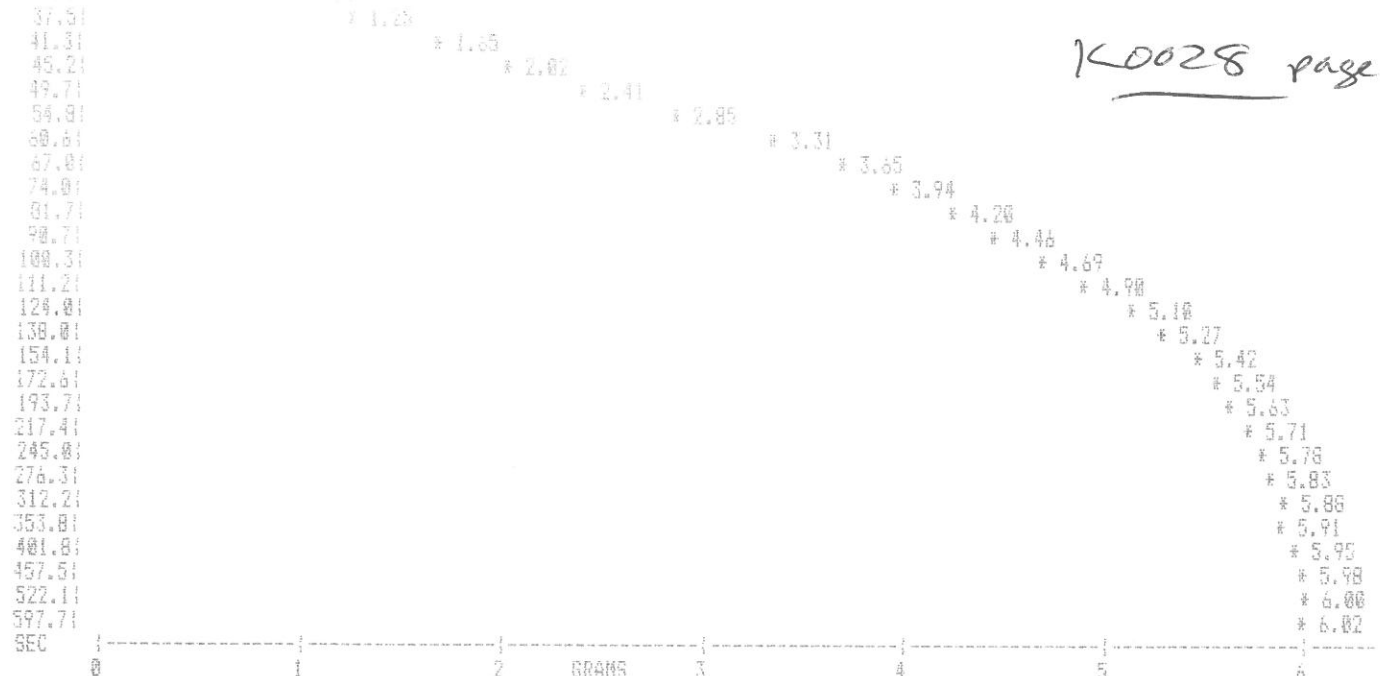
PHI	5.0000%	=	-0.1510
PHI	16.0000%	=	0.2138
PHI	25.0000%	=	0.5787
PHI	50.0000%	=	1.2500
PHI	75.0000%	=	1.7355
PHI	84.0000%	=	2.1505
PHI	95.0000%	=	2.9917

MODE=	0.2500	PHI	17.2646	CUM WT%
MODE=	1.5000	PHI	65.9193	CUM WT%
MODE=	2.7500	PHI	93.0493	CUM WT%
MODE=	3.5000	PHI	98.2063	CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.2048 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.9603 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.0192 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.1134 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5268

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.3789
 VARIANCE= 0.8542
 SKEWNESS= 0.4421
 STD DEVIATION= 0.9242
 KURTOSIS= 2.9608

5.51	* 0.00
6.21	* 0.01
6.91	* 0.02
7.51	* 0.03
8.11	* 0.03
8.81	* 0.03
9.41	* 0.02
10.11	* 0.02
10.81	* 0.03
11.91	* 0.06
13.21	* 0.11
14.51	* 0.13
15.81	* 0.16
17.11	* 0.21
18.31	* 0.26
20.31	* 0.32
22.21	* 0.37
24.11	* 0.49
26.01	* 0.58
28.61	* 0.68
31.11	* 0.82



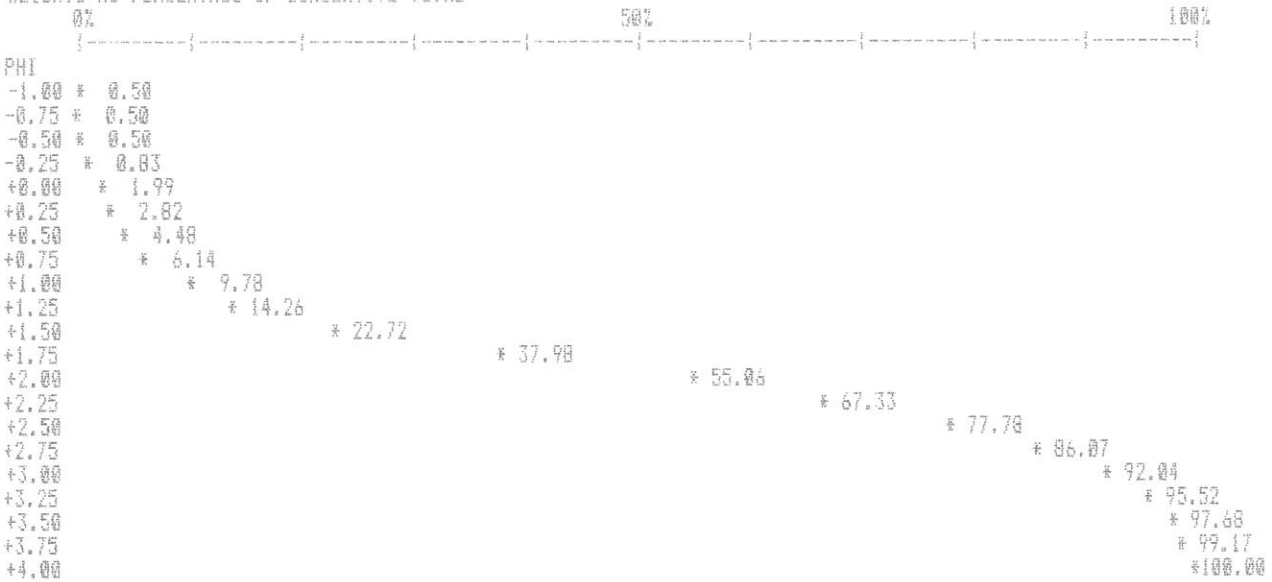
UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0028
 WATER TEMP.: 21

PHI	TIME EXPECT	TIME ONSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.46	0.03
-0.75	8.25	8.78	0.00
-0.50	9.51	10.05	0.00
-0.25	11.03	11.31	0.02
0.00	12.80	13.23	0.07
0.25	15.14	15.15	0.05
0.50	17.95	18.34	0.10
0.75	21.44	21.53	0.10
1.00	25.05	26.03	0.22
1.25	31.45	31.80	0.27
1.50	38.67	38.83	0.51
1.75	48.09	48.44	0.92
2.00	60.49	60.58	1.03
2.25	77.07	77.22	0.74
2.50	99.49	99.63	0.63
2.75	130.15	130.33	0.50
3.00	172.49	172.63	0.36
3.25	231.39	231.51	0.21
3.50	313.83	314.11	0.13
3.75	429.69	429.95	0.09
4.00	592.96	593.19	0.05

TOTAL IMMERSED WEIGHT: 6.030066
 CUM. TOT. WEIGHT: 6.0300
 PERCENT WEIGHT ERROR: -0.5050

04-01-2005
 SAMPLE NUMBER: K0028
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



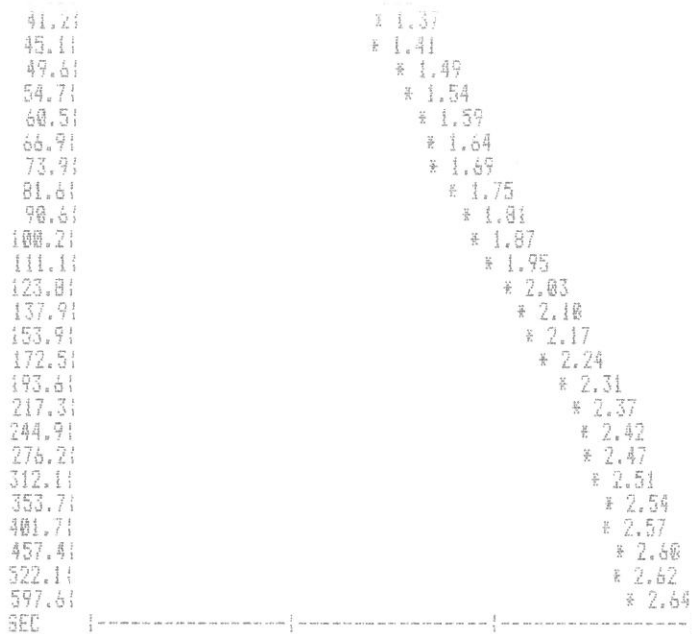
PHI	5.0000%	=	0.8788
PHI	16.0000%	=	1.3814
PHI	25.0000%	=	1.5374
PHI	50.0000%	=	1.9260
PHI	75.0000%	=	2.4335
PHI	84.0000%	=	2.6876
PHI	95.0000%	=	3.2125

MODE=	-1.0000	PHI	0.4975	CUM	WT%
MODE=	0.0000	PHI	1.9900	CUM	WT%
MODE=	2.0000	PHI	55.0580	CUM	WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.9716 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.7456 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.0379 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.2045 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5464

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.0672
 VARIANCE= 0.6064
 SKEWNESS= -0.4062
 STD DEVIATION= 0.7787
 KURTOSIS= 4.1536

5.41	* 0.01
6.11	* 0.00
6.81	* 0.00
7.41	* 0.01
8.01	* 0.01
8.61	* 0.02
9.31	* 0.00
9.91	* 0.02
10.51	* 0.06
11.81	* 0.12
13.11	* 0.20
14.41	* 0.24
15.61	* 0.29
16.91	* 0.35
18.21	* 0.40
20.11	* 0.52
22.11	* 0.63
24.01	* 0.72
25.91	* 0.83
28.51	* 0.92
31.01	* 1.00
34.21	* 1.19



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0011

WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.36	0.00
-0.75	8.25	8.62	0.03
-0.50	9.51	9.94	0.00
-0.25	11.03	11.20	0.06
0.00	12.88	13.12	0.12
0.25	15.14	15.65	0.09
0.50	17.95	18.23	0.11
0.75	21.44	21.42	0.19
1.00	25.85	25.92	0.24
1.25	31.45	31.69	0.22
1.50	38.67	38.72	0.27
1.75	48.08	48.33	0.15
2.00	60.49	60.47	0.12
2.25	77.07	77.11	0.13
2.50	99.49	99.52	0.15
2.75	130.15	130.28	0.20
3.00	172.49	172.52	0.17
3.25	231.39	231.40	0.16
3.50	313.83	314.00	0.11
3.75	429.69	429.84	0.08
4.00	592.96	593.14	0.05

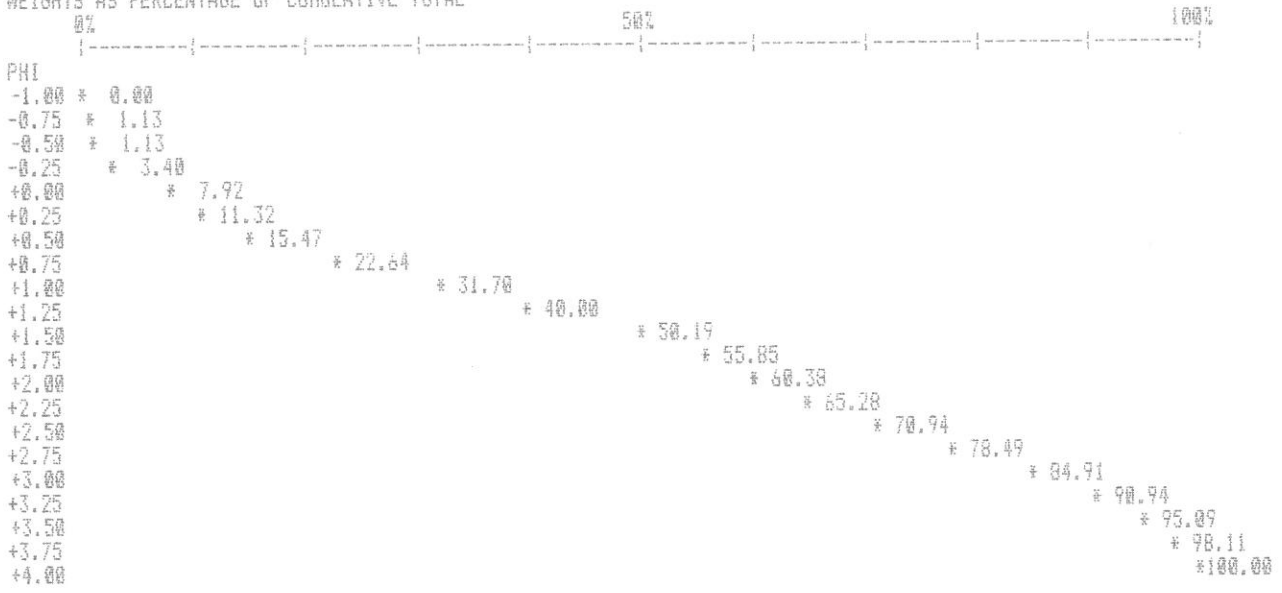
TOTAL IMMERSSED WEIGHT: 2.818182

CUM. TOT. WEIGHT: 2.6500

PERCENT WEIGHT ERROR: -5.9677

WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0011
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	-0.1615
PHI	16.0000%	=	0.5184
PHI	25.0000%	=	0.8151
PHI	50.0000%	=	1.4954
PHI	75.0000%	=	2.6344
PHI	84.0000%	=	2.9647
PHI	95.0000%	=	3.4943

MODE=	-0.7500	PHI	1.1321	CUM WT%
MODE=	0.0000	PHI	7.9245	CUM WT%
MODE=	1.0000	PHI	31.6981	CUM WT%
MODE=	1.5000	PHI	50.1887	CUM WT%
MODE=	2.7500	PHI	78.4906	CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.6595 : MEDIUM SAND
 INCL GRAPH STD DEV: 1.1655 : POORLY SORTED
 INCL GRAPH SKEWNESS: 0.1474 : FINE SKEWED
 GRAPHIC KURTOSIS: 0.8236 : PLATYKURTIC
 NORMALIZED KURTOSIS: 0.4516

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.7877
 VARIANCE= 1.2915
 SKEWNESS= 0.0338
 STD DEVIATION= 1.1364
 KURTOSIS= 2.1012

5.41	*	0.00
6.01	*	-0.01
6.71	*	0.00
7.41	*	0.00
8.01	*	0.00
8.61	*	0.00
9.21	*	0.00
9.91	*	0.00
10.51	*	0.00
11.81	*	0.00
13.11	*	0.00
14.31	*	0.01
15.61	*	0.04
16.91	*	0.09
18.21	*	0.10
20.11	*	0.13
22.01	*	0.17
23.91	*	0.20
25.91	*	0.26
28.51	*	0.37

34.21
37.41
41.21
45.11
49.51
54.71
60.51
66.81
73.91
81.61
90.51
100.11
111.01
123.81
137.91
153.91
172.51
193.61
217.31
244.81
276.21
312.01
353.71
401.71
457.41
522.01
597.51

* 0.51
* 0.93
* 1.28
* 1.56
* 1.81
* 2.05
* 2.33
* 2.61
* 2.86
* 3.13
* 3.35
* 3.53
* 3.69
* 3.85
* 3.98
* 4.12
* 4.25
* 4.38
* 4.50
* 4.62
* 4.72
* 4.82
* 4.91
* 4.99
* 5.06
* 5.12
* 5.17

K0021 page 2 of 3



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0021

WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.36	0.00
-0.75	8.25	8.62	0.00
-0.50	9.51	9.88	0.00
-0.25	11.03	11.14	0.00
0.00	12.88	13.07	0.00
0.25	15.14	15.65	0.04
0.50	17.95	18.18	0.06
0.75	21.44	22.02	0.07
1.00	25.85	25.86	0.09
1.25	31.45	31.69	0.25
1.50	38.67	38.66	0.54
1.75	48.08	48.27	0.69
2.00	60.49	60.47	0.59
2.25	77.07	77.06	0.65
2.50	99.49	99.52	0.54
2.75	130.15	130.22	0.39
3.00	172.49	172.46	0.34
3.25	231.39	232.00	0.32
3.50	313.83	313.95	0.25
3.75	429.69	429.79	0.28
4.00	592.96	593.08	0.14

TOTAL IMMERSIED WEIGHT: 6.060606

CUM. TOT. WEIGHT: 5.1600

PERCENT WEIGHT ERROR: -14.8600

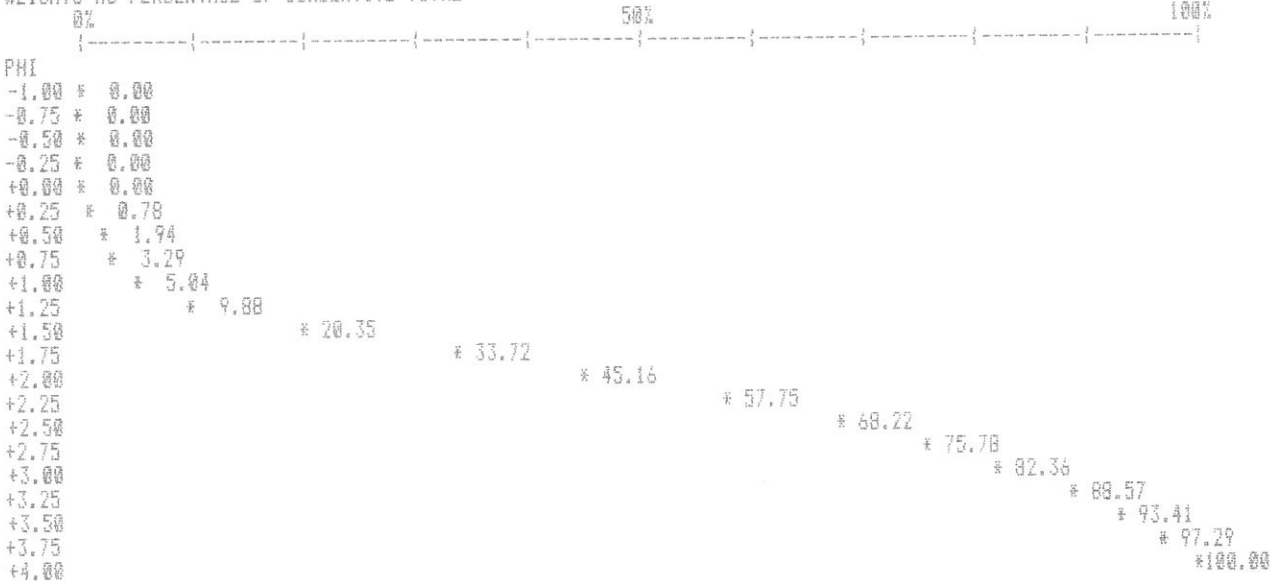
WEIGHT ERROR >5%

04-01-2005

SAMPLE NUMBER: K0021

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

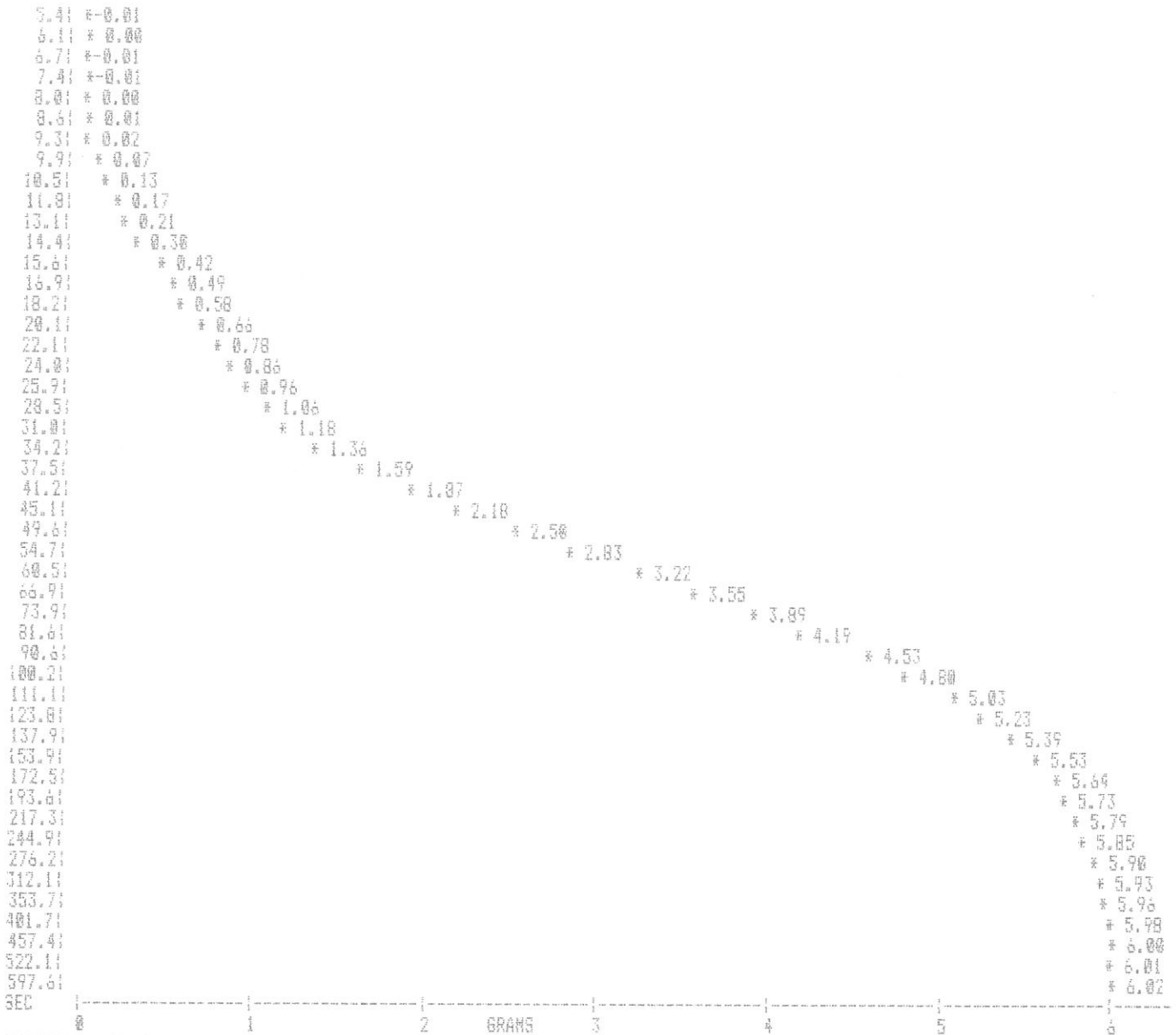


PHI 5.0000% = 0.9944
 PHI 16.0000% = 1.3961
 PHI 25.0000% = 1.5870
 PHI 50.0000% = 2.0962
 PHI 75.0000% = 2.7244
 PHI 84.0000% = 3.0659
 PHI 95.0000% = 3.6025

MODE= 1.7500 PHI 33.7209 CUM WT%
 MODE= 2.2500 PHI 57.7519 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.1861 : FINE SAND
 INCL GRAPH STD DEV: 0.8126 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.1583 : FINE SKEWED
 GRAPHIC KURTOSIS: 0.9398 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4845

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.2912
 VARIANCE= 0.6411
 SKEWNESS= 0.1504
 STD DEVIATION= 0.8007
 KURTOSIS= 2.6092



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

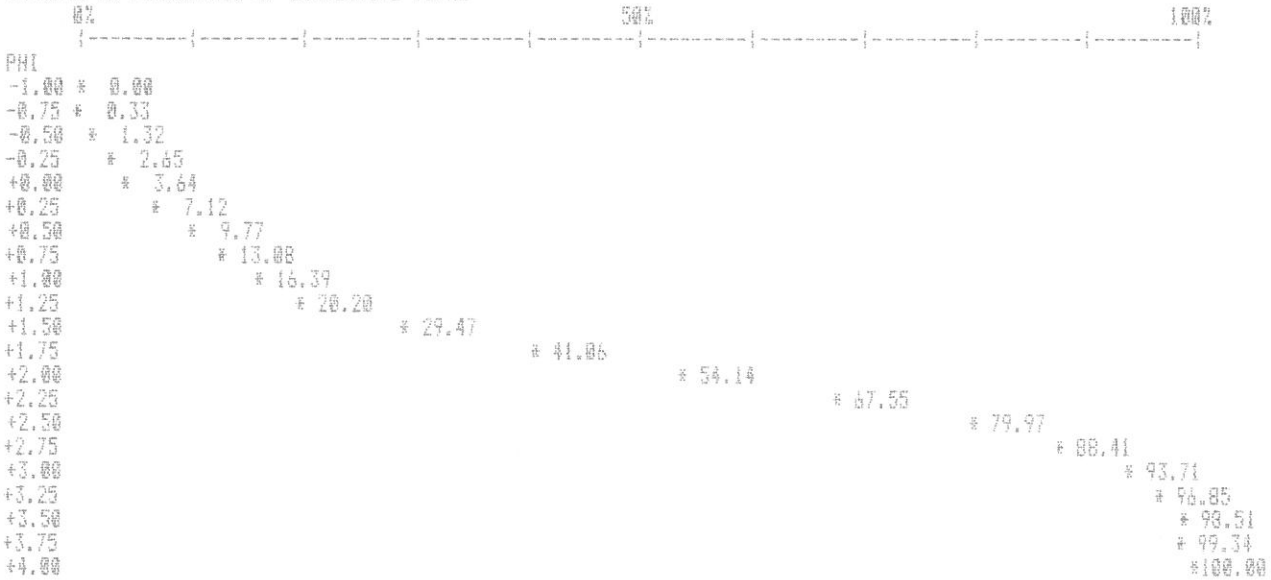
04-01-2005
 SAMPLE NUMBER: K0025
 WATER TEMP.: 26

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.21	7.36	0.00
-0.75	8.26	8.62	0.02
-0.50	9.53	9.94	0.06
-0.25	11.05	11.20	0.03
0.00	12.91	13.07	0.06
0.25	15.19	15.65	0.21
0.50	18.01	18.23	0.16
0.75	21.54	22.08	0.20
1.00	25.98	26.58	0.20
1.25	31.65	31.69	0.23
1.50	38.96	39.32	0.56
1.75	48.50	48.93	0.70
2.00	61.11	61.24	0.79
2.25	77.99	78.43	0.81
2.50	100.84	100.95	0.75
2.75	132.14	132.20	0.51
3.00	175.41	175.70	0.32
3.25	235.67	235.90	0.19
3.50	320.00	320.38	0.10
3.75			

4.00 606.05 606.54 0.04
 TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.0400
 PERCENT WEIGHT ERROR: -0.3400

K0025 page 2 of 2

04-01-2005
 SAMPLE NUMBER: K0025
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

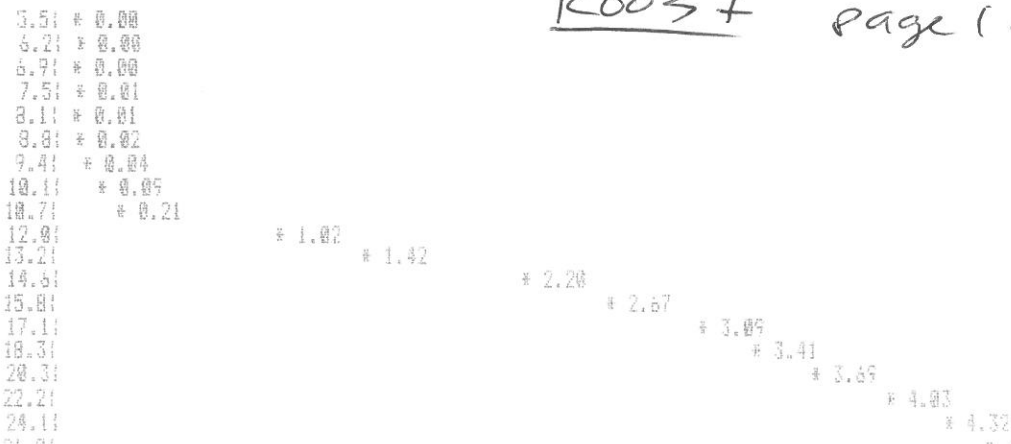


PHI 5.0000% = 0.0976
 PHI 16.0000% = 0.9705
 PHI 25.0000% = 1.3795
 PHI 50.0000% = 1.9209
 PHI 75.0000% = 2.4000
 PHI 84.0000% = 2.6194
 PHI 95.0000% = 3.1026
 NODE= -0.2500 PHI 2.6490 CUM WT%
 NODE= 0.2500 PHI 7.1192 CUM WT%
 NODE= 2.2500 PHI 67.5497 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.8369 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.8675 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.1831 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.2068 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5459

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.9412
 VARIANCE= 0.7714
 SKEWNESS= -0.5909
 STD DEVIATION= 0.8783
 KURTOSIS= 3.3450

K0037 page 1 of 3



K0037 page 2 of 3

4.87
 * 5.05
 * 5.22
 * 5.41
 * 5.62
 * 5.74
 * 5.86
 * 5.99
 * 6.10
 * 6.18
 * 6.25
 * 6.32
 * 6.36
 * 6.41
 * 6.45
 * 6.49
 * 6.51
 * 6.54
 * 6.57
 * 6.5
 * 6.6
 * 6.6
 * 6.
 * 6.
 * 6.
 * 6.
 * 6.
 * 6.
 * 6.

28.81
 31.11
 39.41
 37.61
 41.41
 45.31
 49.71
 54.91
 60.61
 67.01
 74.01
 81.71
 90.71
 100.31
 111.21
 124.01
 138.11
 154.11
 172.61
 193.81
 9
 217.41
 1
 245.01
 2
 276.31
 64
 312.21
 65
 353.01
 66
 401.81
 67
 457.51
 68
 522.21
 68
 597.71
 69
 SEC



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0037

WATER TEMP.: 20

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.21	7.46	0.01
-0.75	8.26	8.78	0.01
-0.50	9.53	10.05	0.07
-0.25	11.05	11.36	0.33
0.00	12.91	13.23	1.00
0.25	15.19	15.26	1.05
0.50	18.01	18.34	0.94
0.75	21.54	21.58	0.52
1.00	25.98	26.03	0.63
1.25	31.65	31.96	0.53
1.50	38.96	39.49	0.42
1.75	48.50	49.10	0.35
2.00	61.11	61.46	0.25
2.25	77.90	78.54	0.18
2.50	100.84	101.11	0.12
2.75	132.14	132.31	0.09
3.00	175.41	175.87	0.07
3.25	235.67	236.01	0.05
3.50	320.00	320.54	0.03
3.75	438.76	439.96	0.03
4.00	606.05	606.04	0.01

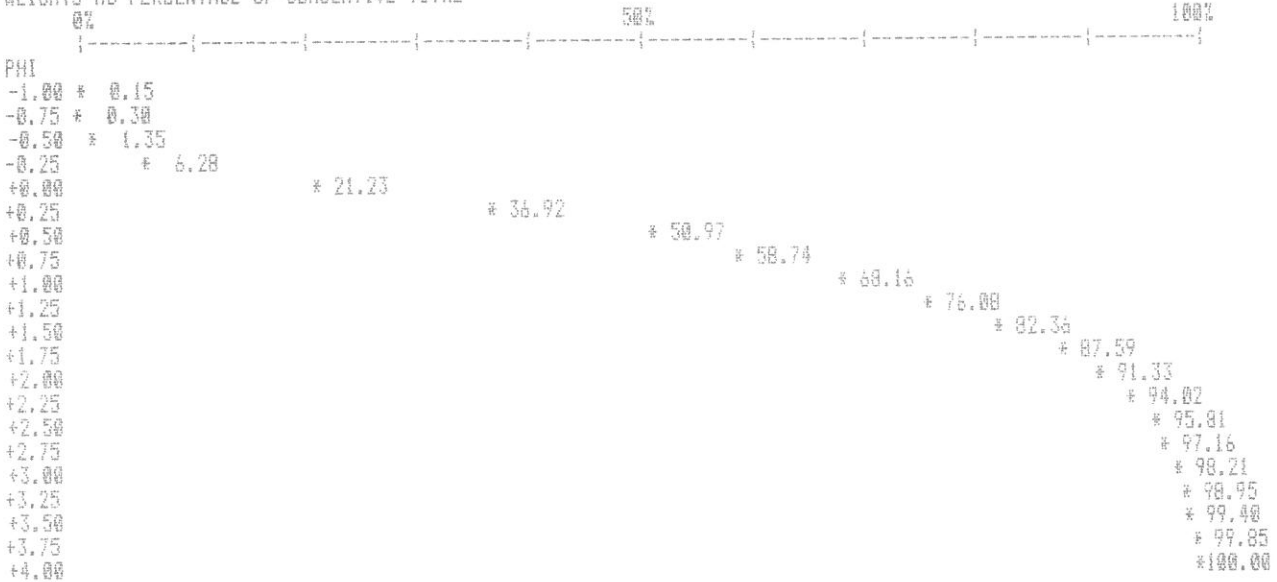
TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.6900
 PERCENT WEIGHT ERROR: 10.3850
 WEIGHT ERROR >5%

04-01-2005

SAMPLE NUMBER: K0037

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

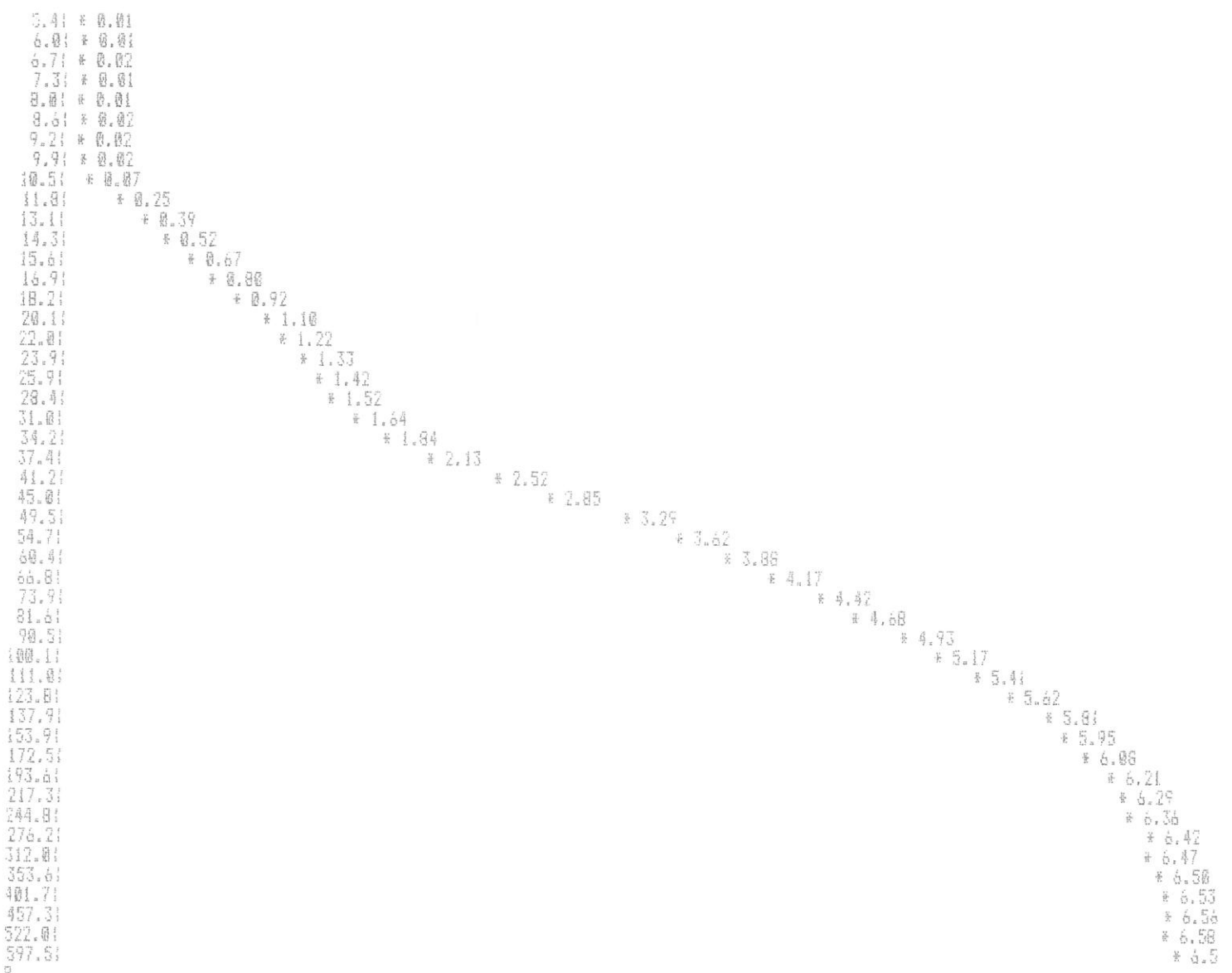


PHI 5.0000% = -0.3148
 PHI 16.0000% = -0.0874
 PHI 25.0000% = 0.0601
 PHI 50.0000% = 0.4827
 PHI 75.0000% = 1.2158
 PHI 84.0000% = 1.5783
 PHI 95.0000% = 2.3865

MODE= 0.2500 PHI 36.9200 CUM WT%
 MODE= 1.0000 PHI 68.1614 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 0.6579 : COARSE SAND
 INCL GRAPH STD DEV: 0.8257 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.3625 : STRONGLY FINE SKEWED
 GRAPHIC KURTOSIS: 0.9579 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4893

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 0.8378
 VARIANCE= 0.7287
 SKEWNESS= 0.9628
 STD DEVIATION= 0.8537
 KURTOSIS= 3.6623



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0033
 WATER TEMP.: 21

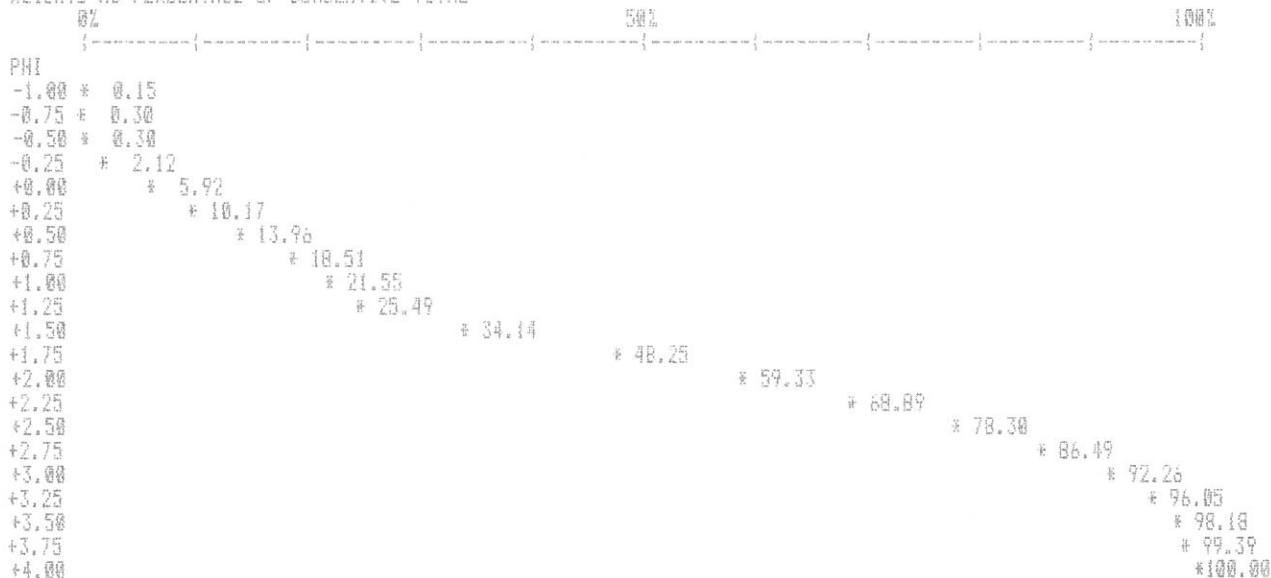
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.30	0.01
-0.75	8.25	8.62	0.01
-0.50	9.51	9.88	0.00
-0.25	11.03	11.14	0.12
0.00	12.60	13.07	0.25
0.25	15.14	15.59	0.28
0.50	17.95	18.18	0.25
0.75	21.44	22.02	0.30
1.00	25.85	25.86	0.20
1.25	31.45	31.69	0.26
1.50	38.67	38.66	0.57
1.75	48.00	48.27	0.93
2.00	60.49	61.18	0.73
2.25	77.07	77.06	0.63
2.50	99.49	99.47	0.62
2.75	130.15	130.22	0.54
3.00	172.49	172.46	0.38
3.25	231.39	232.00	0.25
3.50	313.83	313.95	0.14
3.75	429.69	429.79	0.08

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.5900
 PERCENT WEIGHT ERROR: 8.7350
 WEIGHT ERROR >5%

K0033

page 2 of 2

04-01-2005
 SAMPLE NUMBER: K0033
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = -0.0605
 PHI 16.0000% = 0.6120
 PHI 25.0000% = 1.2188
 PHI 50.0000% = 1.7894
 PHI 75.0000% = 2.4123
 PHI 84.0000% = 2.6739
 PHI 95.0000% = 3.1805

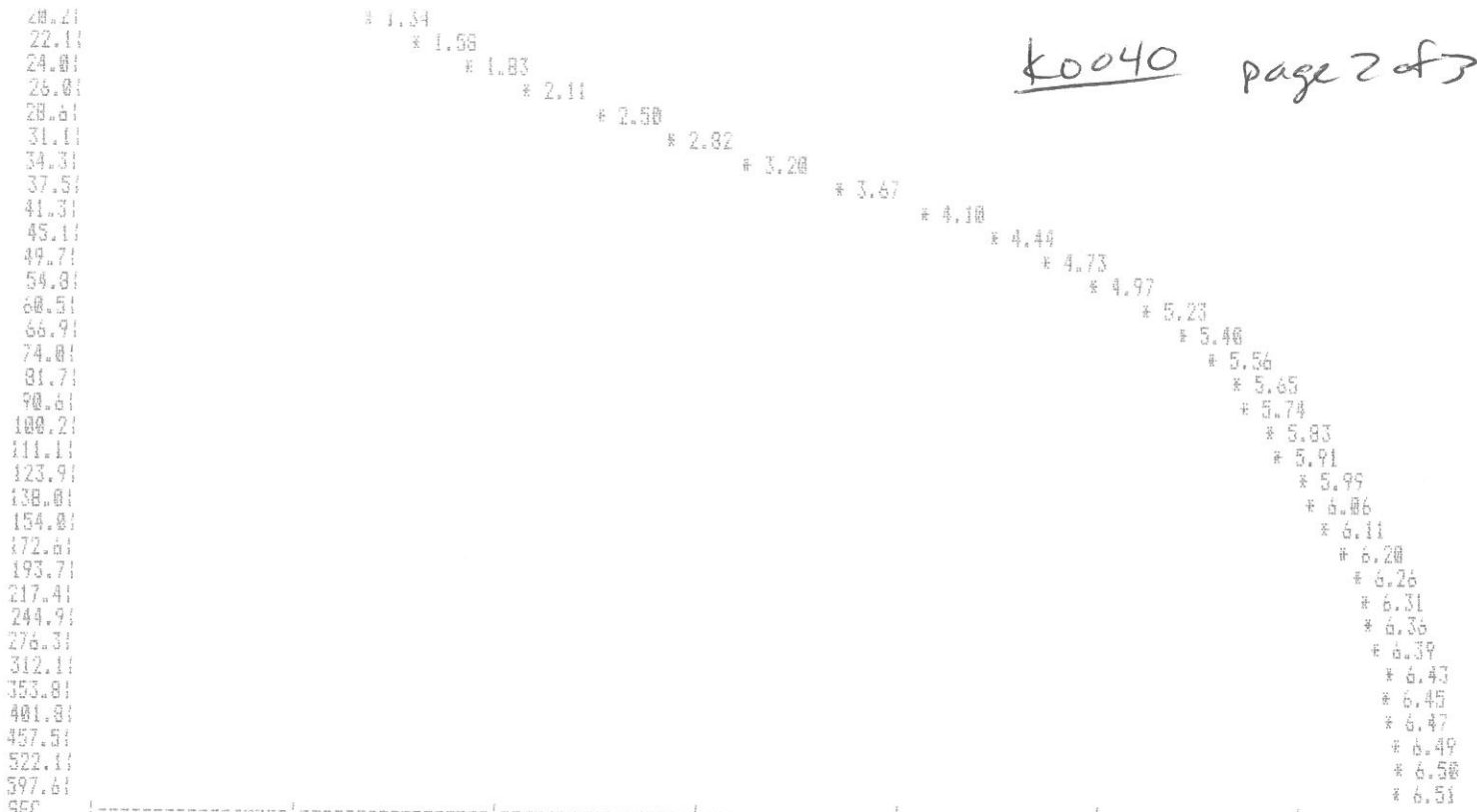
NODE= -0.7500 PHI 0.3035 CUM WT%
 NODE= 0.2500 PHI 10.1669 CUM WT%
 NODE= 0.7500 PHI 18.5129 CUM WT%
 NODE= 1.7500 PHI 48.2549 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.6918 : MEDIUM SAND
 INCL GRAPH STD DEV: 1.0065 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.1418 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.1129 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5267

FOLLOWING ARE PARAMETERS BY THE METHOD OF MORENTS:
 MEAN X= 1.8505
 VARIANCE= 0.9181
 SKEWNESS= -0.3503
 STD DEVIATION= 0.9582
 KURTOSIS= 2.6421

K0040 page 1 of 3

5.51 * 0.00
 6.21 * 0.00
 6.81 * 0.00
 7.41 * 0.01
 8.11 * 0.01
 8.71 * 0.00
 9.31 * 0.05
 10.01 * 0.12
 10.61 * 0.16
 11.91 * 0.25
 13.21 * 0.40
 14.41 * 0.61
 15.81 * 0.79
 17.01 * 0.96



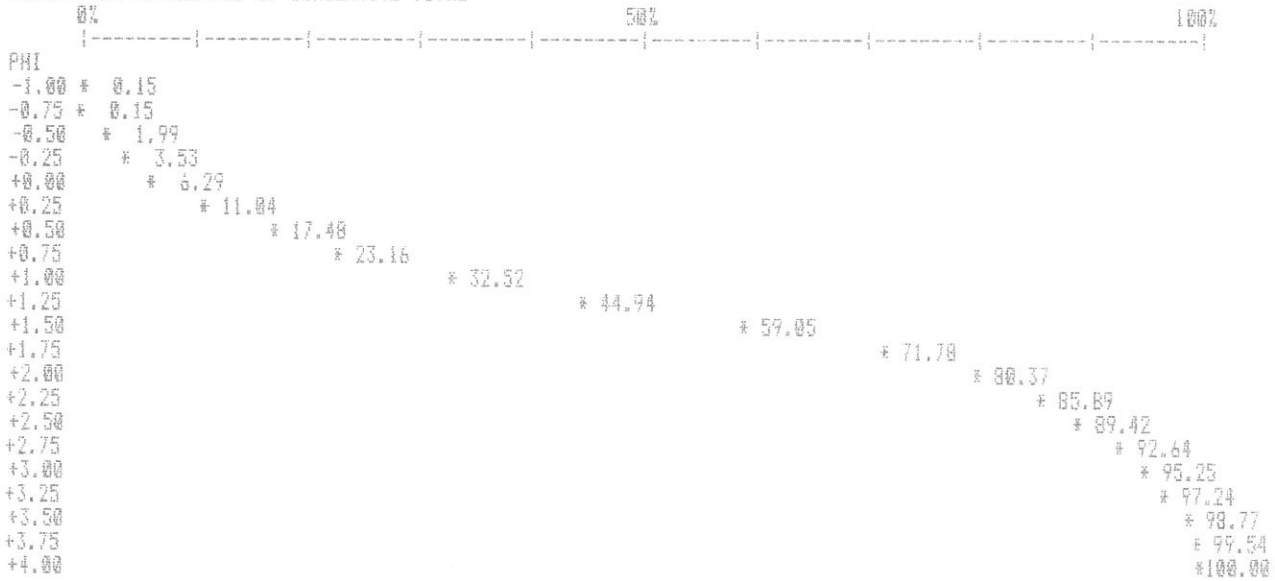
UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0040
 WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.41	0.01
-0.75	8.25	8.73	0.00
-0.50	9.51	9.99	0.12
-0.25	11.03	11.25	0.10
0.00	12.80	13.18	0.18
0.25	15.14	15.15	0.31
0.50	17.95	18.29	0.42
0.75	21.44	21.47	0.37
1.00	25.85	25.97	0.61
1.25	31.45	31.85	0.81
1.50	38.67	38.77	0.92
1.75	48.08	48.38	0.83
2.00	60.49	60.52	0.56
2.25	77.07	77.17	0.36
2.50	99.49	99.57	0.23
2.75	130.15	130.33	0.21
3.00	172.49	172.57	0.17
3.25	231.39	231.45	0.13
3.50	313.83	314.06	0.10
3.75	429.69	429.95	0.05
4.00	592.96	593.19	0.03

TOTAL IMMersed WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.5200
 PERCENT WEIGHT ERROR: 7.5800
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0040
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

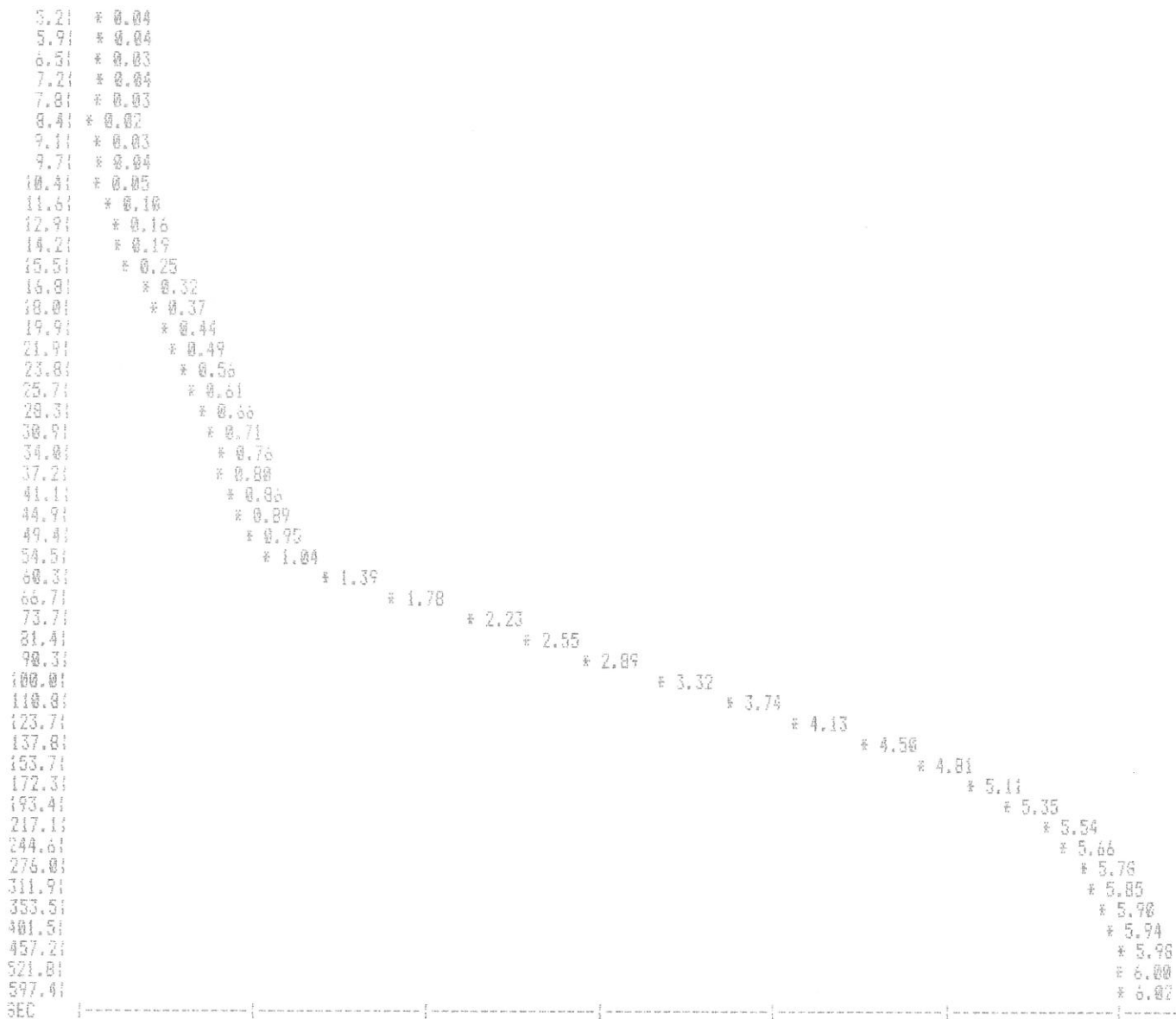


PHI 5.0000% = -0.1167
 PHI 16.0000% = 0.4424
 PHI 25.0000% = 0.7992
 PHI 50.0000% = 1.3397
 PHI 75.0000% = 1.8436
 PHI 94.0000% = 2.1644
 PHI 95.0000% = 2.9765

MODE= -1.0000 PHI 0.1534 CUM WT%
 MODE= -0.5000 PHI 1.9939 CUM WT%
 MODE= 0.5000 PHI 17.4847 CUM WT%
 MODE= 1.5000 PHI 59.0491 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.3155 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.8992 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.0001 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.2136 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5482

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.4720
 VARIANCE= 0.7880
 SKEWNESS= 0.1941
 STD DEVIATION= 0.8877
 KURTOSIS= 3.1114



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

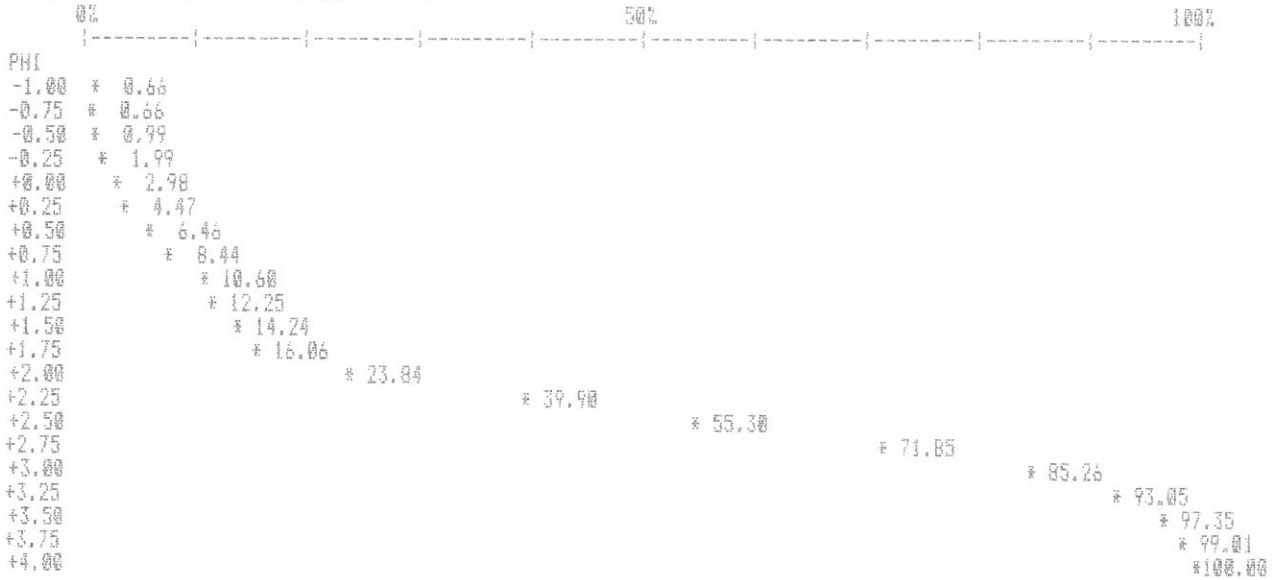
04-01-2005
 SAMPLE NUMBER: K0041
 WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.19	0.04
-0.75	8.25	8.45	0.00
-0.50	9.51	9.72	0.02
-0.25	11.03	11.64	0.06
0.00	12.88	12.90	0.06
0.25	15.14	15.48	0.09
0.50	17.95	18.01	0.12
0.75	21.44	21.06	0.12
1.00	25.85	26.36	0.13
1.25	31.45	31.52	0.10
1.50	38.67	39.16	0.12
1.75	48.00	48.11	0.11
2.00	60.49	60.96	0.47
2.25	77.07	77.55	0.97
2.50	99.49	99.96	0.93
2.75	130.15	130.72	1.00
3.00	172.49	173.12	0.81
3.25	231.39	231.84	0.47
3.50	313.83	314.44	0.26
3.75	429.69	429.60	0.10

TOTAL INHERSED WEIGHT: 6.040606
 CUM. TOT. WEIGHT: 6.0406
 PERCENT WEIGHT ERROR: -0.3400

k0041 page 2 of 2

04-01-2005
 SAMPLE NUMBER: K0041
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 0.3167
 PHI 14.0000% = 1.7418
 PHI 25.0000% = 2.0100
 PHI 50.0000% = 2.4140
 PHI 75.0000% = 2.8086
 PHI 84.0000% = 2.9764
 PHI 95.0000% = 3.3635

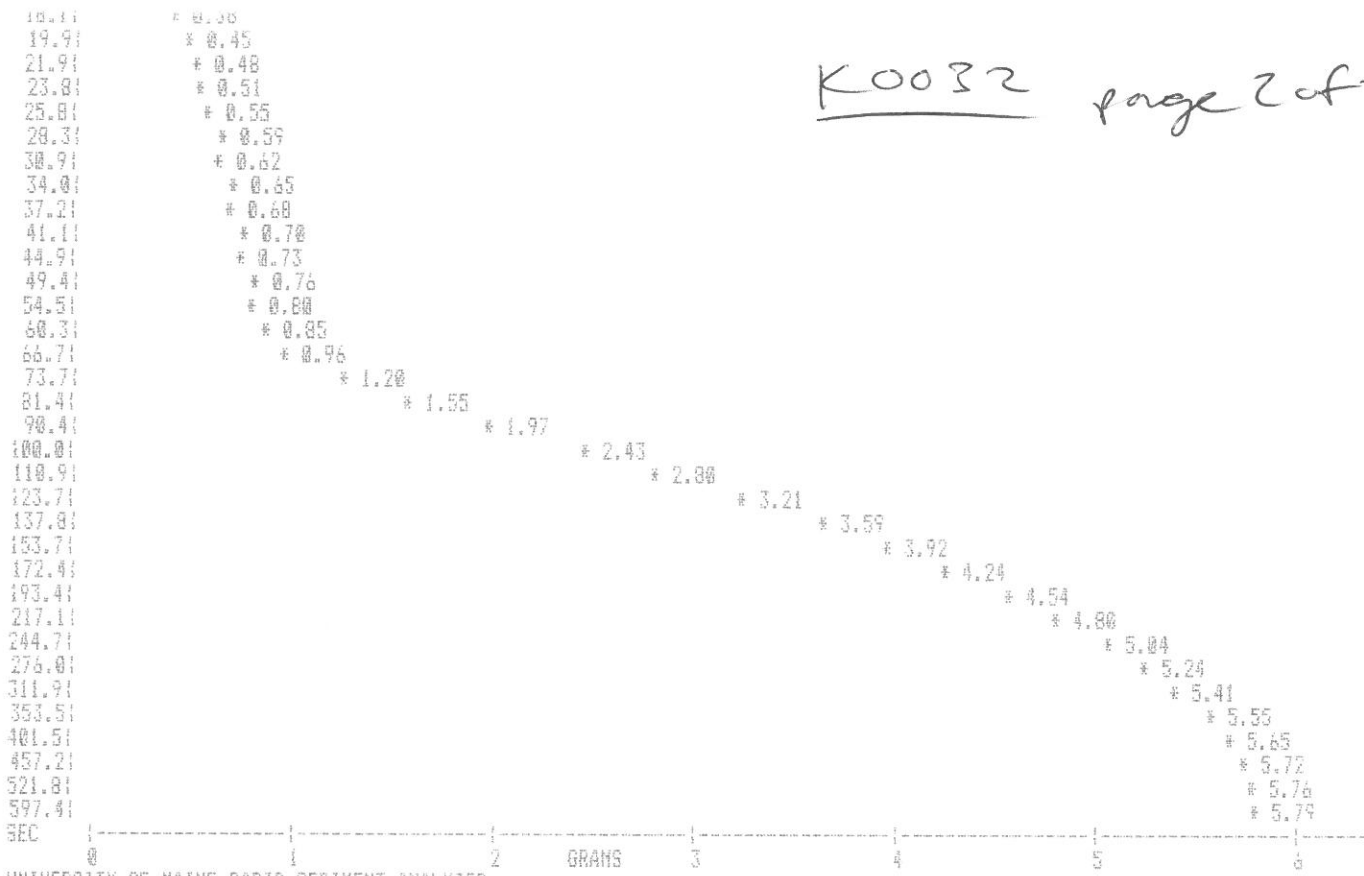
MODE= -1.0000 PHI 0.6623 CUM WT%
 MODE= -0.2500 PHI 1.9868 CUM WT%
 MODE= 0.5000 PHI 6.4570 CUM WT%
 MODE= 1.0000 PHI 10.5960 CUM WT%
 MODE= 1.5000 PHI 14.2394 CUM WT%
 MODE= 2.2500 PHI 39.9007 CUM WT%
 MODE= 2.7500 PHI 71.8543 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.3774 : FINE SAND
 INCL GRAPH STD DEV: 0.7703 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.2328 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.5794 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6123

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.3866
 VARIANCE= 0.7638
 SKEWNESS= -1.3371
 STD DEVIATION= 0.8740
 KURTOSIS= 5.1215

k0032 page 1 of 3

5.31 * 0.01
 5.91 * 0.01
 6.51 * 0.01
 7.21 * 0.02
 7.81 * 0.01
 8.41 * 0.00
 9.11 * 0.00
 9.71 * 0.02
 10.41 * 0.09
 11.61 * 0.11
 12.91 * 0.18
 14.21 * 0.22
 15.51 * 0.26
 16.81 * 0.32



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0032

WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.19	0.02
-0.75	8.25	8.45	0.00
-0.50	9.51	9.72	0.02
-0.25	11.03	11.04	0.11
0.00	12.88	12.90	0.05
0.25	15.14	15.48	0.00
0.50	17.95	18.07	0.12
0.75	21.44	21.86	0.10
1.00	25.85	26.41	0.07
1.25	31.45	31.52	0.00
1.50	38.67	39.16	0.06
1.75	48.08	48.11	0.06
2.00	60.49	60.96	0.10
2.25	77.07	77.60	0.49
2.50	99.49	100.01	1.09
2.75	130.15	130.72	0.90
3.00	172.49	173.12	0.84
3.25	231.39	231.89	0.68
3.50	313.83	314.44	0.49
3.75	429.69	429.68	0.27
4.00	592.96	593.57	0.10

TOTAL IMMERSSED WEIGHT: 6.060606

CUM. TOT. WEIGHT: 5.8100

PERCENT WEIGHT ERROR: -4.1350

04-01-2005
 SAMPLE NUMBER: K0032
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



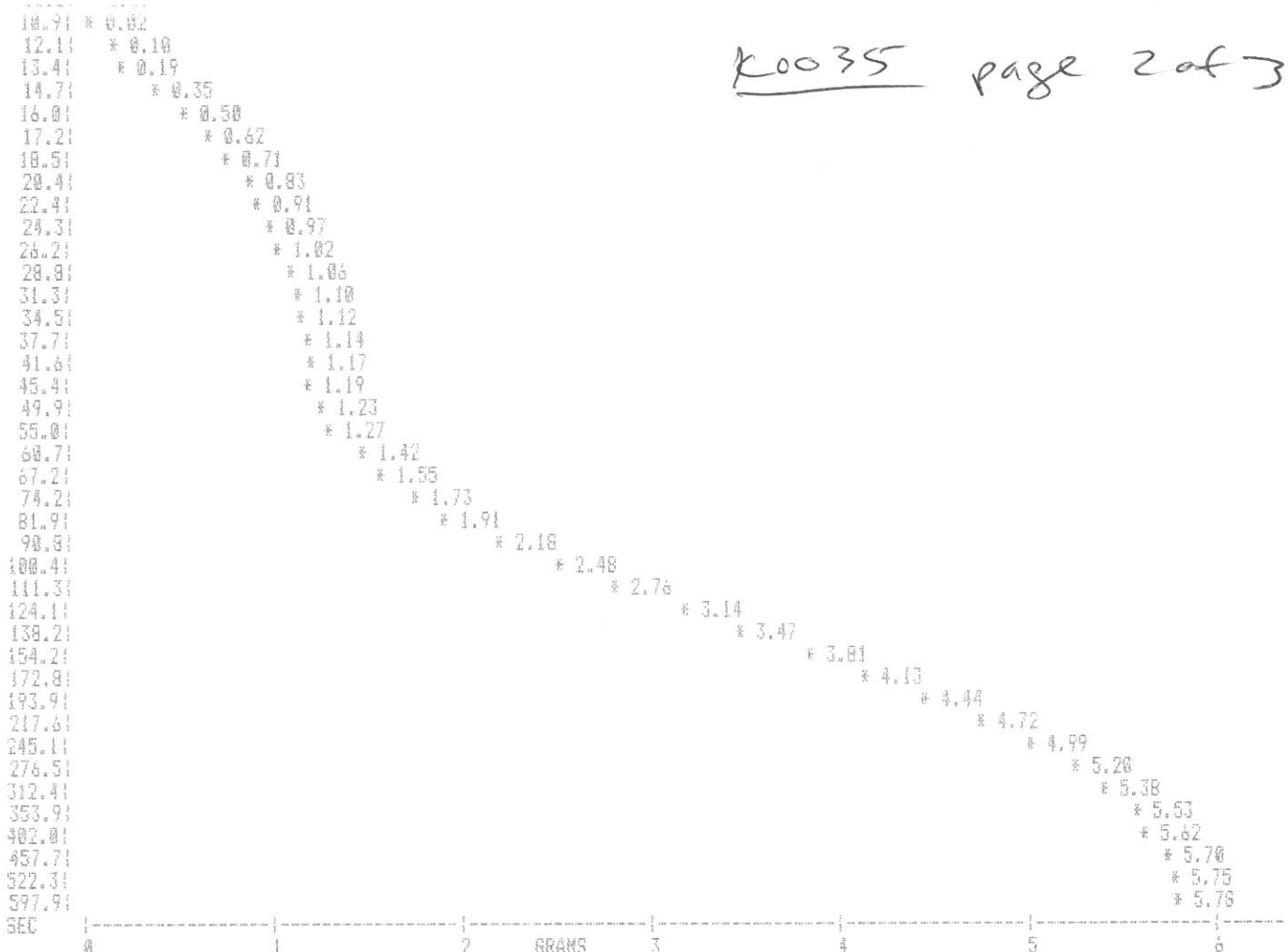
PHI 5.0000% = 0.2719
 PHI 16.0000% = 2.0304
 PHI 25.0000% = 2.2712
 PHI 50.0000% = 2.6161
 PHI 75.0000% = 3.0322
 PHI 84.0000% = 3.2244
 PHI 95.0000% = 3.5736

MODE= -1.0000 PHI 0.3442 CUM WT%
 MODE= -0.2500 PHI 2.5818 CUM WT%
 MODE= 0.5000 PHI 6.9847 CUM WT%
 MODE= 1.2500 PHI 11.1876 CUM WT%
 MODE= 2.5000 PHI 42.1687 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.6236 : FINE SAND
 INCL GRAPH STD DEV: 0.7988 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.2005 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.7783 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6481

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.5891
 VARIANCE= 0.8497
 SKEWNESS= -1.5234
 STD DEVIATION= 0.9218
 KURTOSIS= 5.3884

5.7! * 0.00
 6.4! * 0.01
 7.0! * 0.00
 7.6! * 0.00
 8.3! * 0.01
 8.9! * 0.01
 9.6! * 0.00



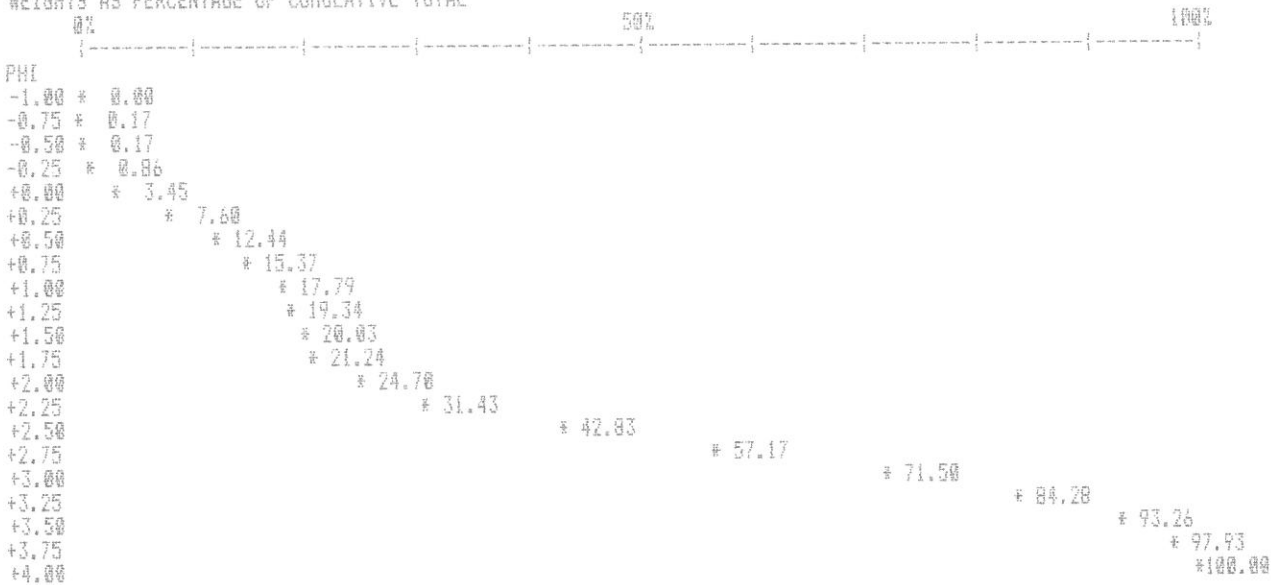
UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0035
 WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.63	0.00
-0.75	8.25	8.29	0.01
-0.50	9.51	9.55	0.00
-0.25	11.03	11.47	0.04
0.00	12.80	13.40	0.15
0.25	15.14	15.32	0.24
0.50	17.95	18.50	0.28
0.75	21.44	21.69	0.17
1.00	25.85	26.19	0.14
1.25	31.45	32.02	0.09
1.50	38.67	38.99	0.04
1.75	48.00	48.60	0.07
2.00	60.49	60.74	0.20
2.25	77.07	77.39	0.39
2.50	99.49	99.79	0.66
2.75	130.15	130.55	0.83
3.00	172.49	172.79	0.83
3.25	231.39	231.67	0.74
3.50	313.83	314.28	0.52
3.75	429.69	430.12	0.27
4.00	592.96	593.41	0.12

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.7900
 PERCENT WEIGHT ERROR: -4.4650

04-01-2005
 SAMPLE NUMBER: K0035
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

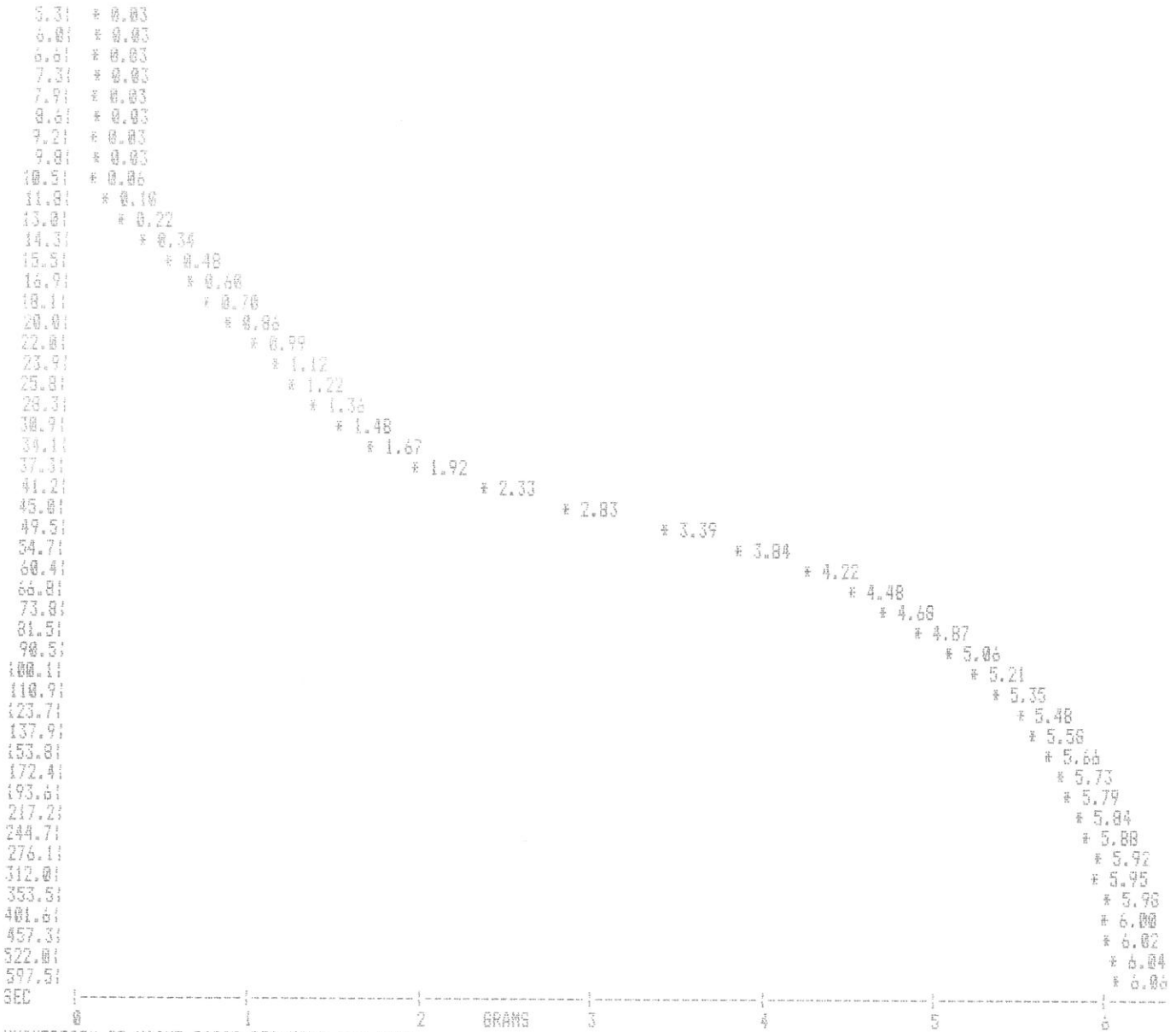


PHI 5.0000% = 0.0932
 PHI 16.0000% = 0.8150
 PHI 25.0000% = 2.0112
 PHI 50.0000% = 2.6250
 PHI 75.0000% = 3.0684
 PHI 84.0000% = 3.2445
 PHI 95.0000% = 3.5931

MODE= -0.7500 PHI 0.1727 CUM WT%
 MODE= 0.5000 PHI 12.4352 CUM WT%
 MODE= 3.0000 PHI 71.5026 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.2282 : FINE SAND
 INCL GRAPH STD DEV: 1.1376 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.4684 : STRONGLY COARSE SKEWED
 GRAPHIC KURTOSIS: 1.3568 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5757

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.4468
 VARIANCE= 1.1539
 SKEWNESS= -1.0016
 STD DEVIATION= 1.0742
 KURTOSIS= 2.9703



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

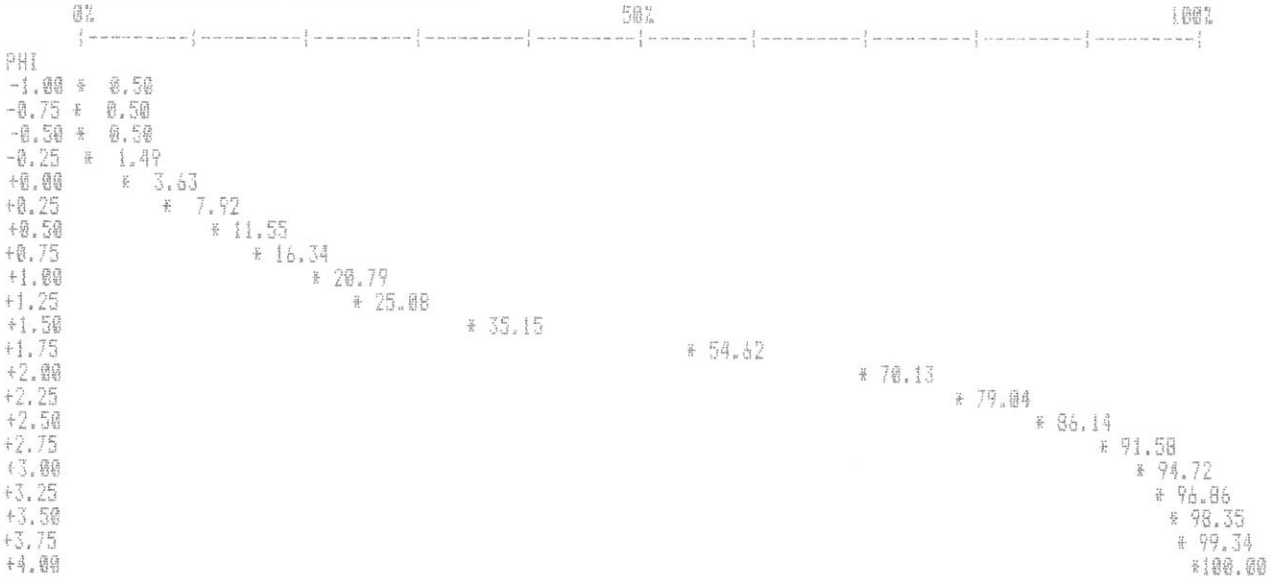
04-01-2005
 SAMPLE NUMBER: K0030
 WATER TEMP.: 26

PHI	TIME	TIME	INTERVAL
	EXPECT	OBSERV	WEIGHT: GRAMS
-1.00	7.21	7.25	0.03
-0.75	8.26	8.56	0.00
-0.50	9.53	9.83	0.00
-0.25	11.05	11.09	0.06
0.00	12.91	13.01	0.13
0.25	15.19	15.54	0.26
0.50	18.01	18.12	0.22
0.75	21.54	21.97	0.29
1.00	25.98	26.52	0.27
1.25	31.65	31.63	0.26
1.50	38.96	39.27	0.61
1.75	48.50	48.88	1.18
2.00	61.11	61.18	0.94
2.25	77.98	78.32	0.54
2.50	100.84	100.89	0.43
2.75	132.14	132.69	0.33
3.00	175.41	175.59	0.19
3.25	235.67	235.79	0.13
3.50	320.08	320.27	0.09
3.75	430.00	430.00	0.00

4.00 606.05 506.48 0.04
 TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.0600
 PERCENT WEIGHT ERROR: -0.0100

K0030 page 2 of 2

04-01-2005
 SAMPLE NUMBER: K0030
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 0.0798
 PHI 16.0000% = 0.7324
 PHI 25.0000% = 1.2452
 PHI 50.0000% = 1.6907
 PHI 75.0000% = 2.1366
 PHI 84.0000% = 2.4247
 PHI 95.0000% = 3.0327

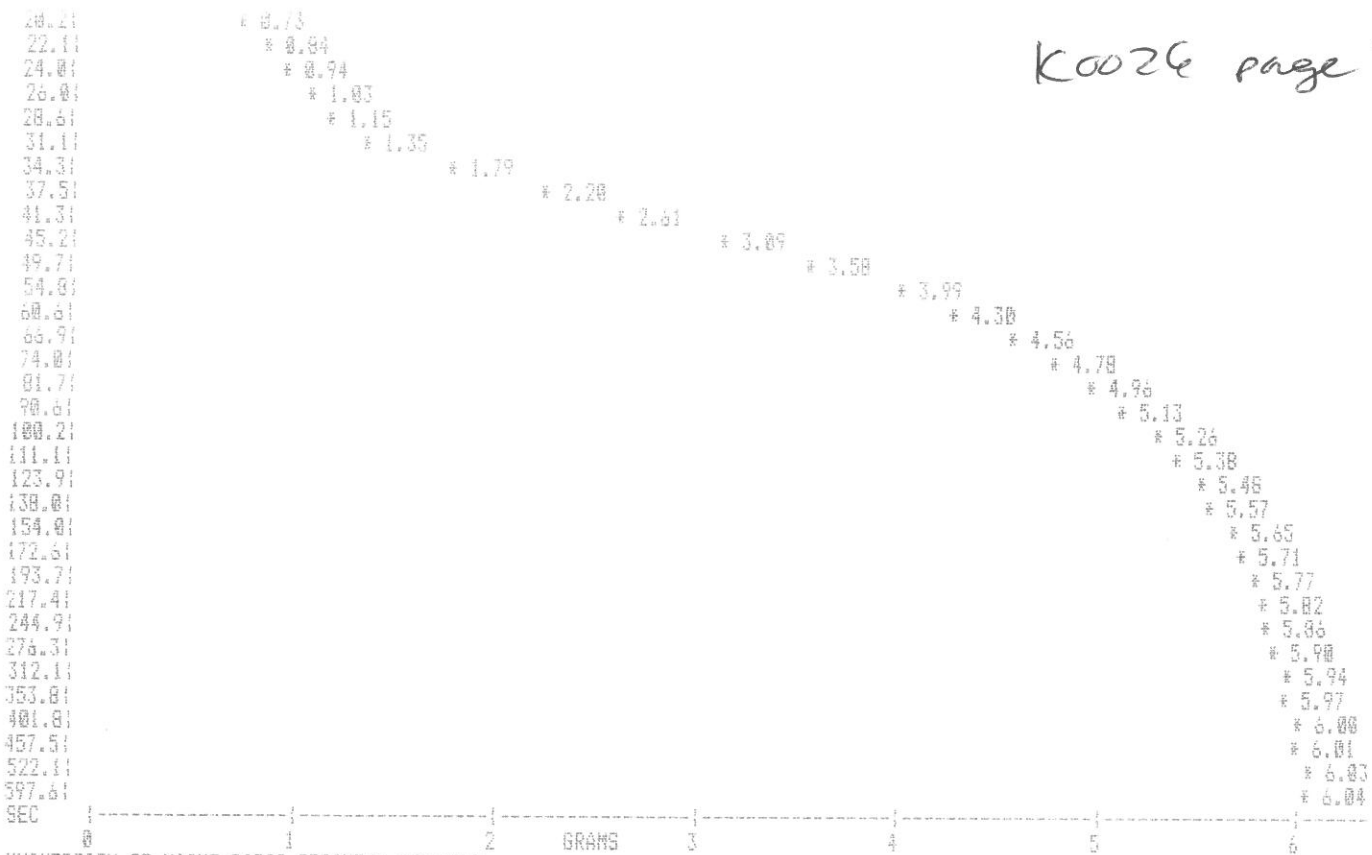
NODE= -1.0000 PHI 0.4950 CUM WT%
 NODE= 0.2500 PHI 7.9200 CUM WT%
 NODE= 0.7500 PHI 16.3366 CUM WT%
 NODE= 1.7500 PHI 54.6205 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.6159 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.8705 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.1118 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.3577 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5759

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.7644
 VARIANCE= 0.7278
 SKEWNESS= -0.2454
 STD DEVIATION= 0.8531
 KURTOSIS= 3.3160

K0026 page 1 of 3

5.5! * 0.00
 6.2! * 0.00
 6.8! * 0.00
 7.5! * 0.00
 8.1! * 0.00
 8.7! * 0.01
 9.4! * 0.01
 10.0! * 0.03
 10.6! * 0.07
 11.9! * 0.06
 13.2! * 0.16
 14.4! * 0.25
 15.8! * 0.39
 17.0! * 0.51
 18.3! * 0.61



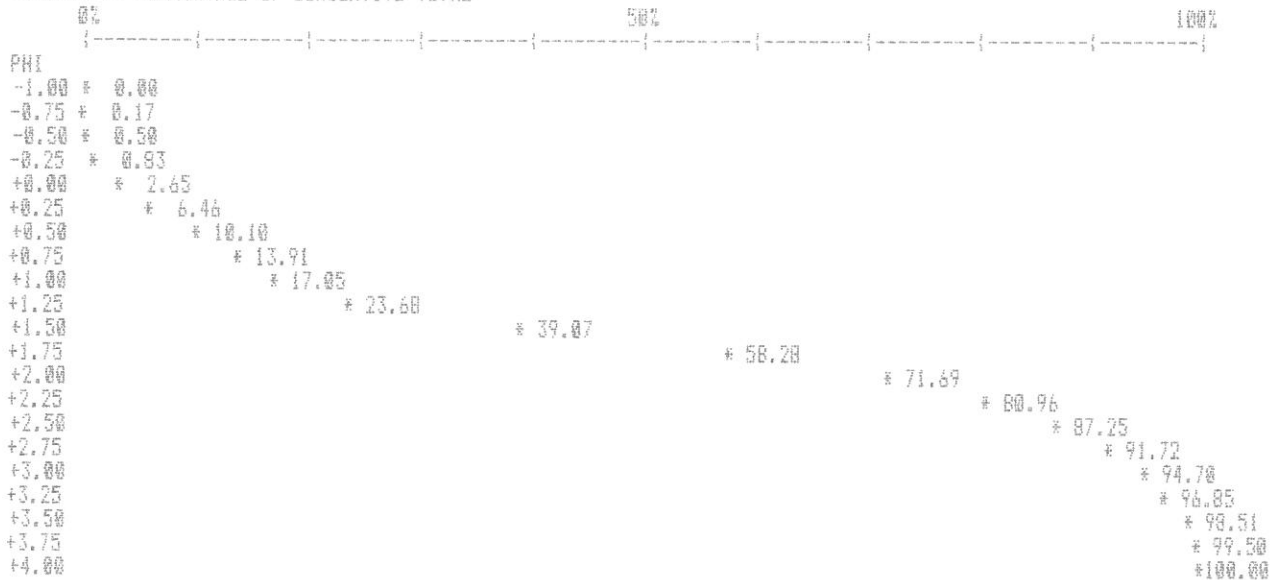
UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0026
 WATER TEMP.: 20

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.21	7.46	0.00
-0.75	8.26	8.73	0.01
-0.50	9.53	9.99	0.02
-0.25	11.05	11.25	0.02
0.00	12.91	13.18	0.11
0.25	15.19	15.76	0.23
0.50	18.01	18.29	0.22
0.75	21.54	22.13	0.23
1.00	25.98	25.97	0.19
1.25	31.65	31.80	0.40
1.50	38.96	39.43	0.93
1.75	48.50	49.04	1.16
2.00	61.11	61.35	0.81
2.25	77.98	78.48	0.56
2.50	100.84	101.05	0.38
2.75	132.14	132.26	0.27
3.00	175.41	175.76	0.18
3.25	235.67	235.95	0.13
3.50	320.00	320.43	0.10
3.75	438.76	438.98	0.06
4.00	606.05	606.65	0.03

TOTAL IMMERSED WEIGHT: 6.060666
 CUM. TOT. WEIGHT: 6.0400
 PERCENT WEIGHT ERROR: -0.3400

04-01-2005
 SAMPLE NUMBER: K0026
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

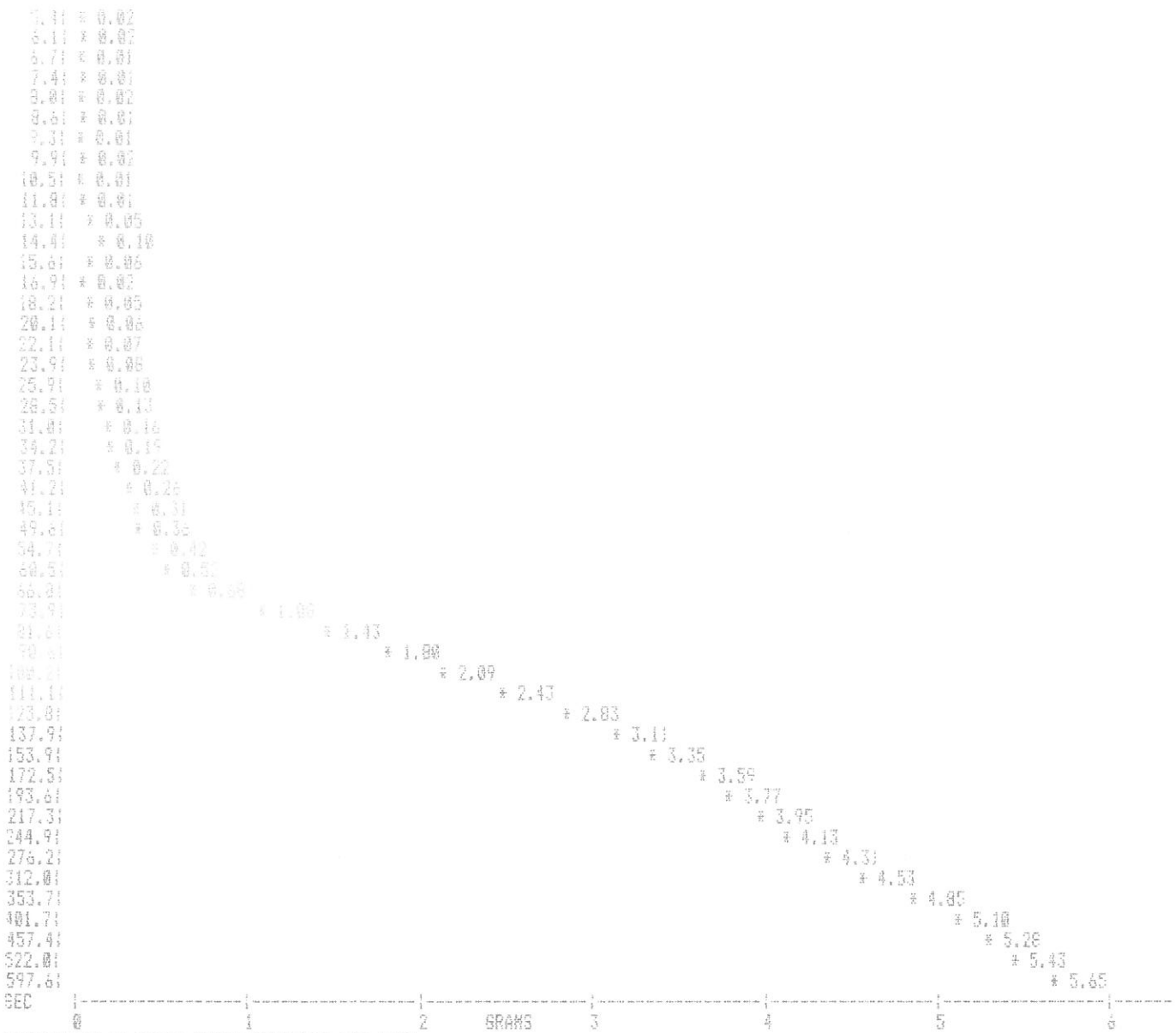


PHI	5.0000%	=	0.1543
PHI	15.0000%	=	0.9163
PHI	25.0000%	=	1.2715
PHI	50.0000%	=	1.6422
PHI	75.0000%	=	2.0893
PHI	84.0000%	=	2.3700
PHI	95.0000%	=	3.0346

MODE=	0.2500	PHI	6.4570	CUM	WT%
MODE=	0.7500	PHI	13.9073	CUM	WT%
MODE=	1.7500	PHI	58.2781	CUM	WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.6431 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.8000 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.0157 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.4435 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5907

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.7653
 VARIANCE= 0.6427
 SKEWNESS= -0.0744
 STD DEVIATION= 0.8017
 KURTOSIS= 3.3979



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0049
 WATER TEMP.: 23

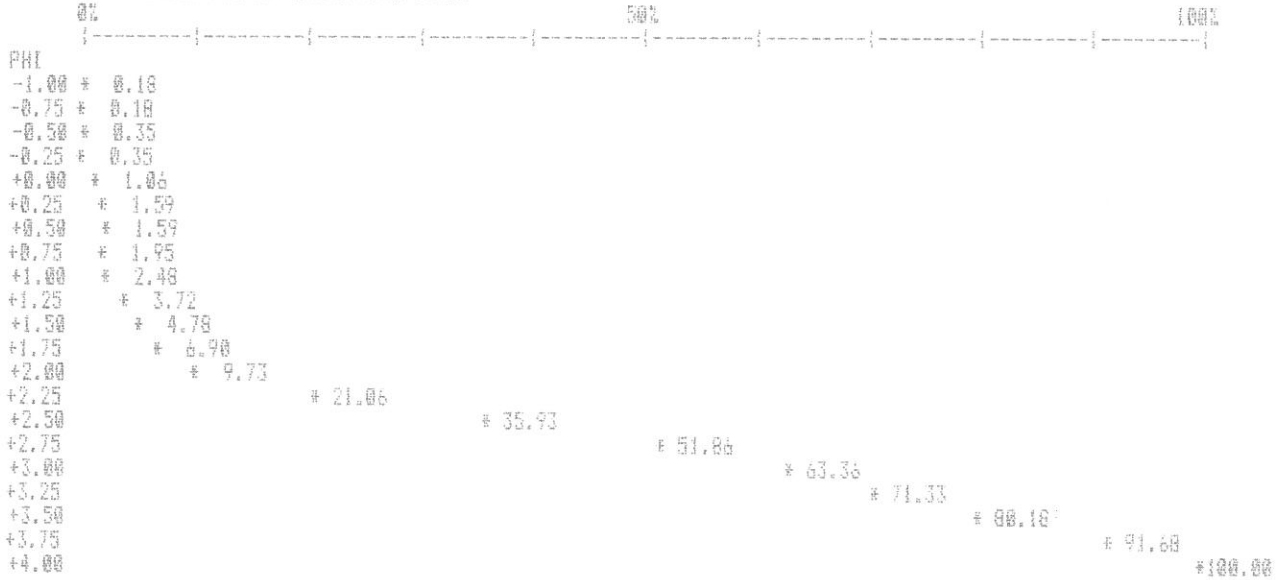
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.36	0.01
-0.75	8.23	8.62	0.00
-0.50	9.08	9.94	0.01
-0.25	10.99	11.20	0.00
0.00	12.82	13.07	0.04
0.25	15.06	15.04	0.03
0.50	17.62	18.23	0.00
0.75	21.26	21.42	0.02
1.00	25.59	25.92	0.03
1.25	31.00	31.69	0.07
1.50	38.13	38.11	0.06
1.75	47.20	47.67	0.12
2.00	59.31	59.81	0.16
2.25	75.33	75.85	0.64
2.50	96.92	96.94	0.04
2.75	126.36	126.43	0.90
3.00	166.89	167.35	0.65
3.25	223.18	223.71	0.45
3.50	301.85	302.47	0.50
3.75	412.30	412.54	0.65
4.00	567.83	568.14	0.47

TOTAL UNDESIGNED WEIGHT: 0.00

CUM. TOT. WEIGHT: 5.6500
 PERCENT WEIGHT ERROR: -6.7750
 WEIGHT ERROR :5%

K0049 page 2 of 2

04-01-2005
 SAMPLE NUMBER: K0049
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 1.5260
 PHI 16.0000% = 2.1383
 PHI 25.0000% = 2.3162
 PHI 50.0000% = 2.7208
 PHI 75.0000% = 3.3537
 PHI 84.0000% = 3.5831
 PHI 95.0000% = 3.8497

MODE= -1.0000 PHI 0.1770 CUM WT%
 MODE= -0.5000 PHI 0.3540 CUM WT%
 MODE= 0.0000 PHI 1.0619 CUM WT%
 MODE= 1.2500 PHI 3.7168 CUM WT%
 MODE= 2.7500 PHI 51.9584 CUM WT%
 MODE= 3.7500 PHI 91.6814 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.8141 : FINE SAND
 INCL GRAPH STD DEV: 0.7133 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.0826 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 0.9179 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4786

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.8743
 VARIANCE= 0.5864
 SKEWNESS= -0.9962
 STD DEVIATION= 0.7658
 KURTOSIS= 5.5603

K0047 page 1 of 3

5.21 * 0.00
 5.91 * 0.00
 6.51 * 0.00
 7.21 * 0.00
 7.81 * 0.00
 8.41 * 0.00
 9.11 * 0.00
 9.71 * 0.00
 10.41 * 0.00
 11.51 * 0.00
 12.91 * 0.00

14.21 * 0.00
 15.51 * 0.01
 16.81 * 0.01
 18.01 * 0.01
 19.91 * 0.03
 21.91
 * -0.11
 23.81
 * -0.14
 25.71
 * -0.13
 28.31
 * -0.11
 30.81
 * -0.10
 34.01
 * -0.07
 37.21
 * -0.04
 41.11 * 0.00
 44.91 * 0.02
 49.41 * 0.06
 54.51 * 0.11
 60.31 * 0.16
 66.71 * 0.22
 73.71 * 0.29
 81.41 * 0.42
 90.31 * 0.71
 100.01 * 0.97
 110.01 * 1.27
 123.81 * 1.59
 137.81 * 1.91
 153.71 * 2.21
 172.31 * 2.47
 193.41 * 2.72
 217.11 * 2.99
 244.81 * 3.27
 276.01 * 3.56
 311.91 * 3.84
 353.51 * 4.12
 401.51 * 4.38
 457.21 * 4.63
 521.01 * 4.82
 597.41 * 4.98



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0047
 WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.19	0.00
-0.75	8.23	8.45	0.00
-0.50	9.48	9.72	0.00
-0.25	10.99	10.98	0.00
0.00	12.82	12.90	0.00
0.25	15.06	15.48	0.01
0.50	17.82	18.01	0.00
0.75	21.26	21.25	0.00
1.00	25.59	25.70	0.00
1.25	31.00	31.63	0.04
1.50	38.13	38.50	0.06
1.75	47.28	47.45	0.07
2.00	59.31	59.64	0.11
2.25	75.33	75.63	0.17
2.50	96.92	97.38	0.57
2.75	126.36	126.87	0.77
3.00	166.89	167.19	0.74
3.25	223.18	223.54	0.67
3.50	301.85	302.25	0.70
3.75	412.30	412.38	0.66
4.00	567.83	567.92	0.50

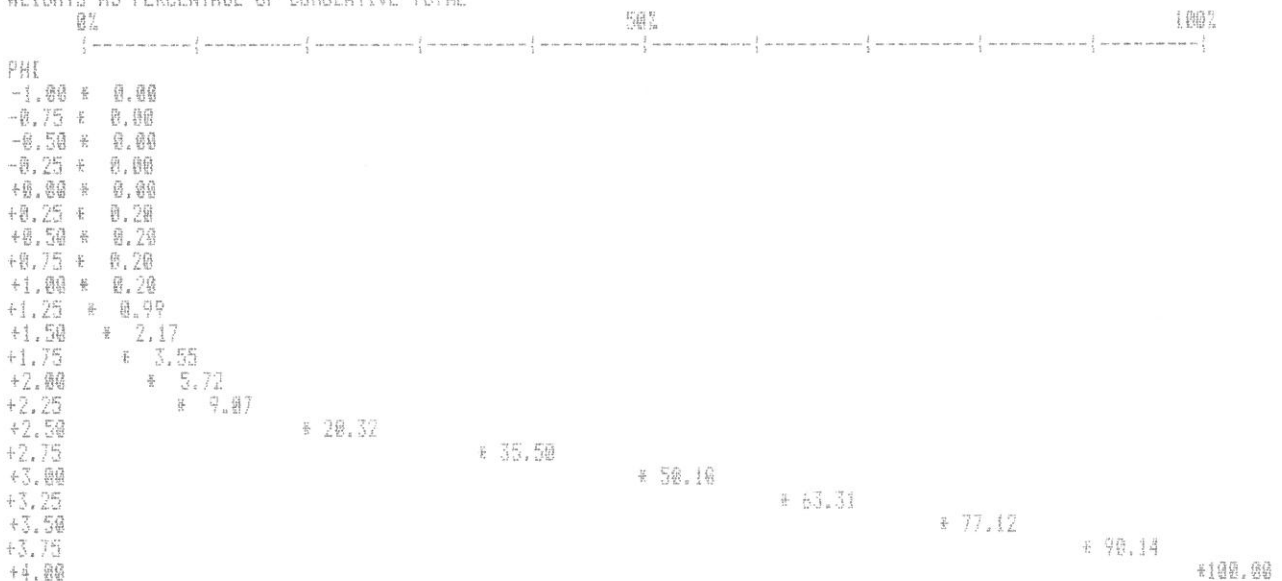
TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.0700
 PERCENT WEIGHT ERROR: -16.3450
 WEIGHT ERROR >5%

04-01-2005

SAMPLE NUMBER: K0047

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



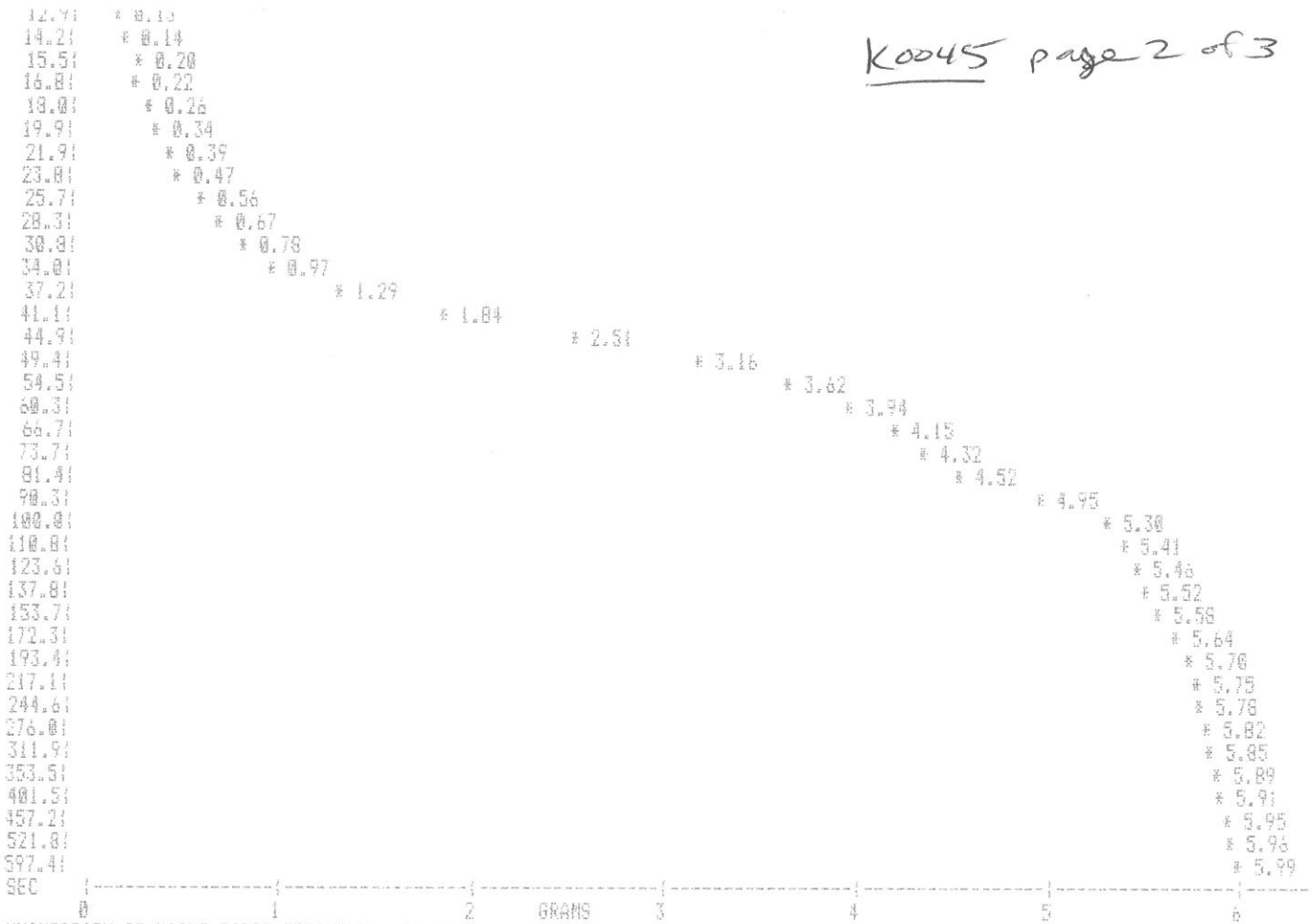
PHI	5.0000%	=	1.9170
PHI	15.0000%	=	2.4040
PHI	25.0000%	=	2.5771
PHI	50.0000%	=	2.9983
PHI	75.0000%	=	3.4616
PHI	84.0000%	=	3.6321
PHI	95.0000%	=	3.8733

MODE=	0.2500 PHI	0.1972 CUM WT%
MODE=	0.7500 PHI	0.1972 CUM WT%
MODE=	2.7500 PHI	35.5030 CUM WT%
MODE=	3.5000 PHI	77.1203 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 3.0115 : VERY FINE SAND
 INCL GRAPH STD DEV: 0.6034 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.0366 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 0.9064 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4755

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 3.1031
 VARIANCE= 0.3694
 SKEWNESS= -0.6454
 STD DEVIATION= 0.6078
 KURTOSIS= 3.7030

5.21	* 0.17
5.91	* 0.16
6.51	* 0.16
7.21	* 0.16
7.81	* 0.14
8.41	* 0.13
9.11	* 0.13
9.71	* 0.14
10.41	* 0.13
11.01	* 0.13



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

00-01-2005

SAMPLE NUMBER: K0045

WATER TEMP.: 23

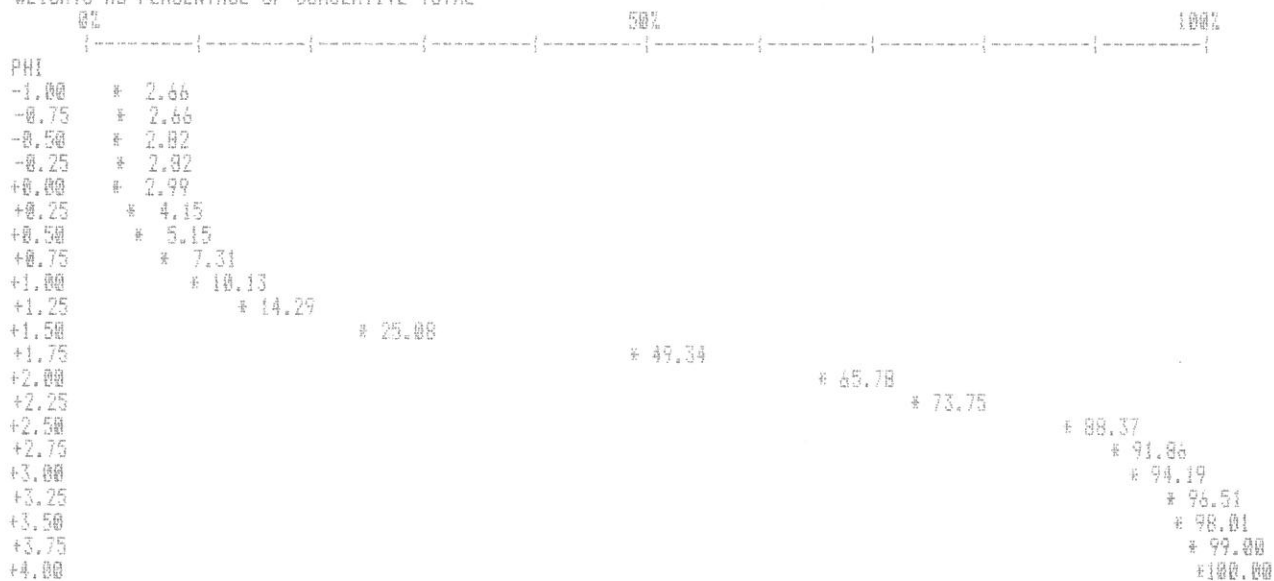
PWE	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.10	7.19	0.10
-0.75	8.23	8.45	0.00
-0.50	9.40	9.72	0.01
-0.25	10.99	10.90	0.00
0.00	12.82	12.90	0.01
0.25	15.06	15.48	0.07
0.50	17.82	18.01	0.06
0.75	21.26	21.86	0.13
1.00	25.59	25.70	0.17
1.25	31.00	31.52	0.25
1.50	38.13	38.50	0.65
1.75	47.20	47.45	1.46
2.00	59.31	59.64	0.99
2.25	75.33	75.63	0.40
2.50	96.92	97.43	0.80
2.75	126.36	126.82	0.21
3.00	166.89	167.19	0.14
3.25	223.10	223.49	0.14
3.50	301.85	302.25	0.09
3.75	412.30	412.30	0.06
4.00	567.83	567.92	0.06

TOTAL IMMERSERD WEIGHT: 6.060606

CUM. TOT. WEIGHT: 6.0200

PERCENT WEIGHT ERROR: -0.6700

04-01-2005
 SAMPLE NUMBER: K0045
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

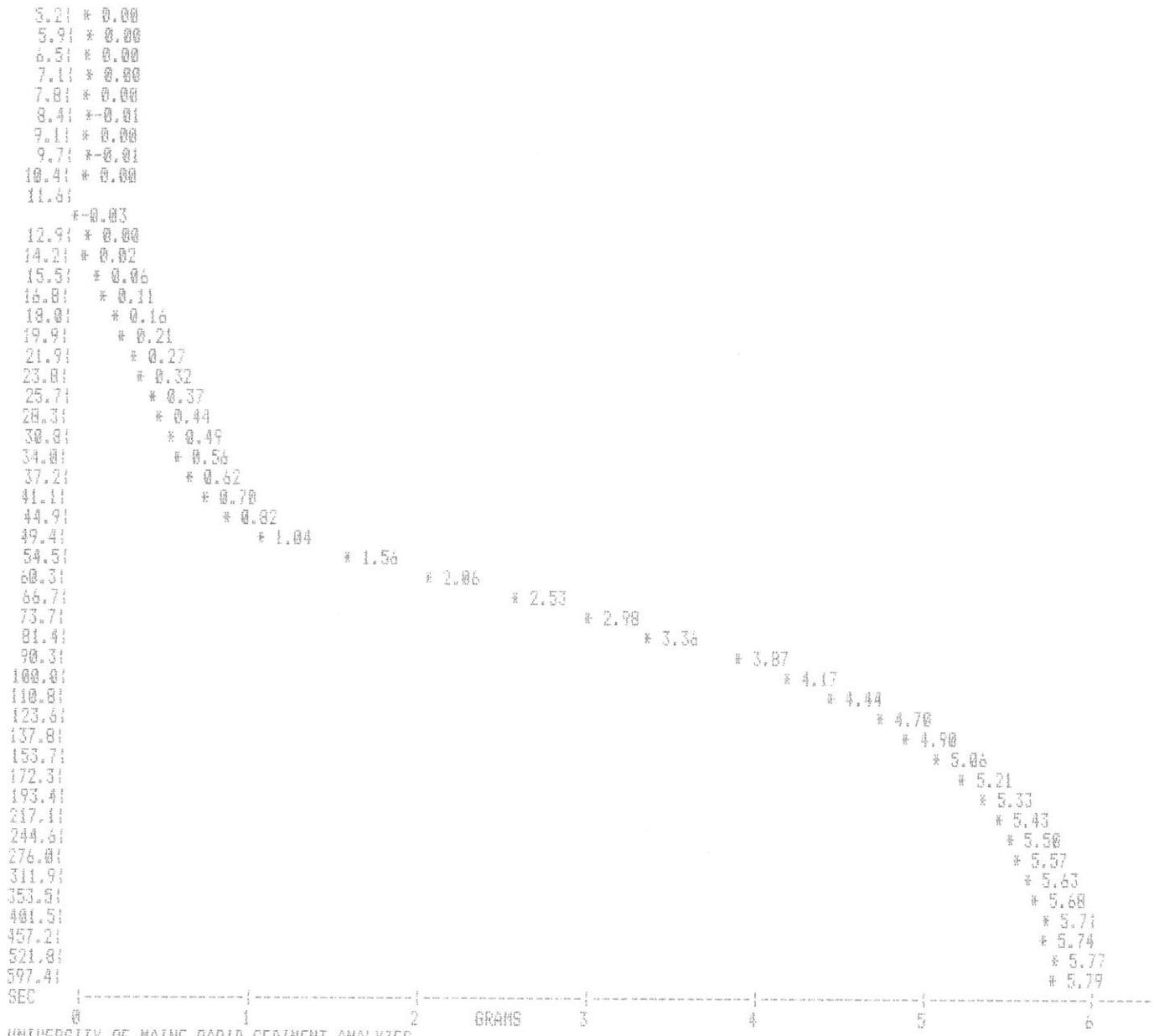


PHI 5.0000% = 0.4625
 PHI 16.0000% = 1.2897
 PHI 25.0000% = 1.4991
 PHI 50.0000% = 1.7601
 PHI 75.0000% = 2.2713
 PHI 84.0000% = 2.4252
 PHI 95.0000% = 3.0875

MODE= -1.0000 PHI 2.6578 CUM WT%
 MODE= -0.5000 PHI 2.8239 CUM WT%
 MODE= 0.2500 PHI 4.1528 CUM WT%
 MODE= 1.7500 PHI 49.3356 CUM WT%
 MODE= 2.5000 PHI 88.3721 CUM WT%
 MODE= 3.2500 PHI 96.5116 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.8250 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.6816 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: 0.0914 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.3913 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5818

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.9078
 VARIANCE= 0.6580
 SKEWNESS= -0.9156
 STD DEVIATION= 0.8112
 KURTOSIS= 6.2838



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0064

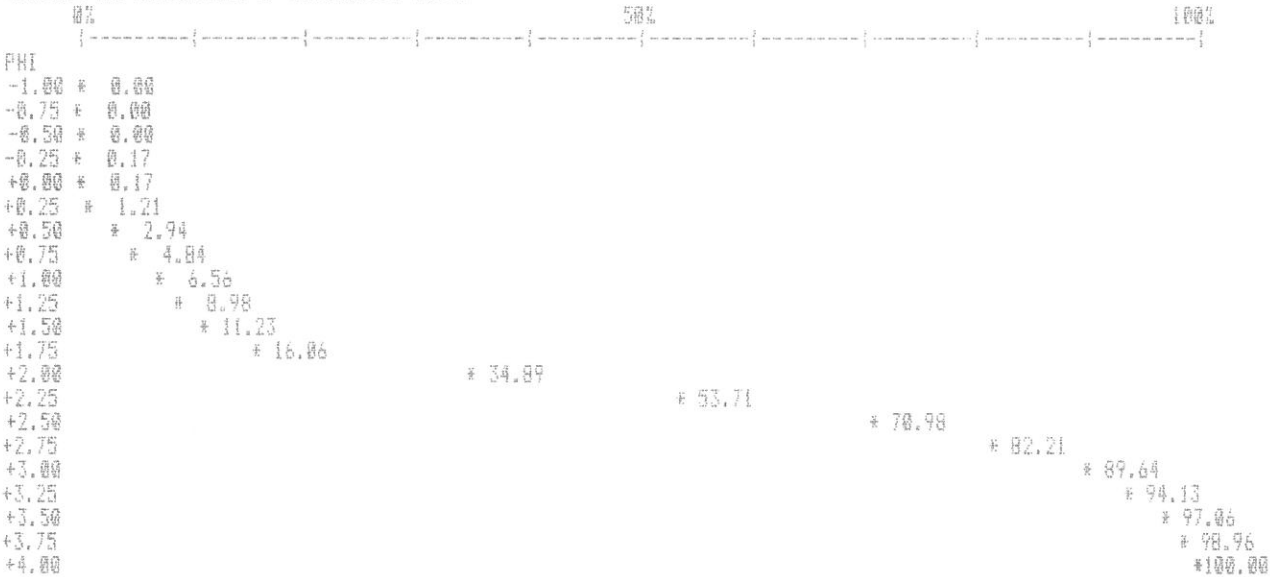
WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.79	0.00
-0.75	8.23	8.45	0.00
-0.50	9.48	9.72	0.00
-0.25	10.99	10.98	0.01
0.00	12.82	12.90	0.00
0.25	15.06	15.48	0.06
0.50	17.82	18.01	0.10
0.75	21.26	21.86	0.11
1.00	25.59	25.70	0.10
1.25	31.08	31.52	0.14
1.50	38.13	38.50	0.13
1.75	47.28	47.45	0.28
2.00	59.31	59.59	1.09
2.25	75.33	75.63	1.09
2.50	96.92	97.38	1.00
2.75	126.36	126.82	0.65
3.00	166.89	167.19	0.43
3.25	223.18	223.49	0.26
3.50	301.85	302.25	0.17
3.75	412.30	412.38	0.11
4.00	567.83	567.92	0.06

TOTAL IMMERSED WEIGHT: 6.060606

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04-01-2005
 SAMPLE NUMBER: K0064
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	0.7738
PHI	16.0000%	=	1.7468
PHI	25.0000%	=	1.8687
PHI	50.0000%	=	2.2007
PHI	75.0000%	=	2.5894
PHI	84.0000%	=	2.8102
PHI	95.0000%	=	3.3243

MODE=	-0.2500 PHI	0.1727 CUM WT%
MODE=	0.7500 PHI	4.8359 CUM WT%
MODE=	1.2500 PHI	8.9810 CUM WT%
MODE=	2.0000 PHI	34.8877 CUM WT%

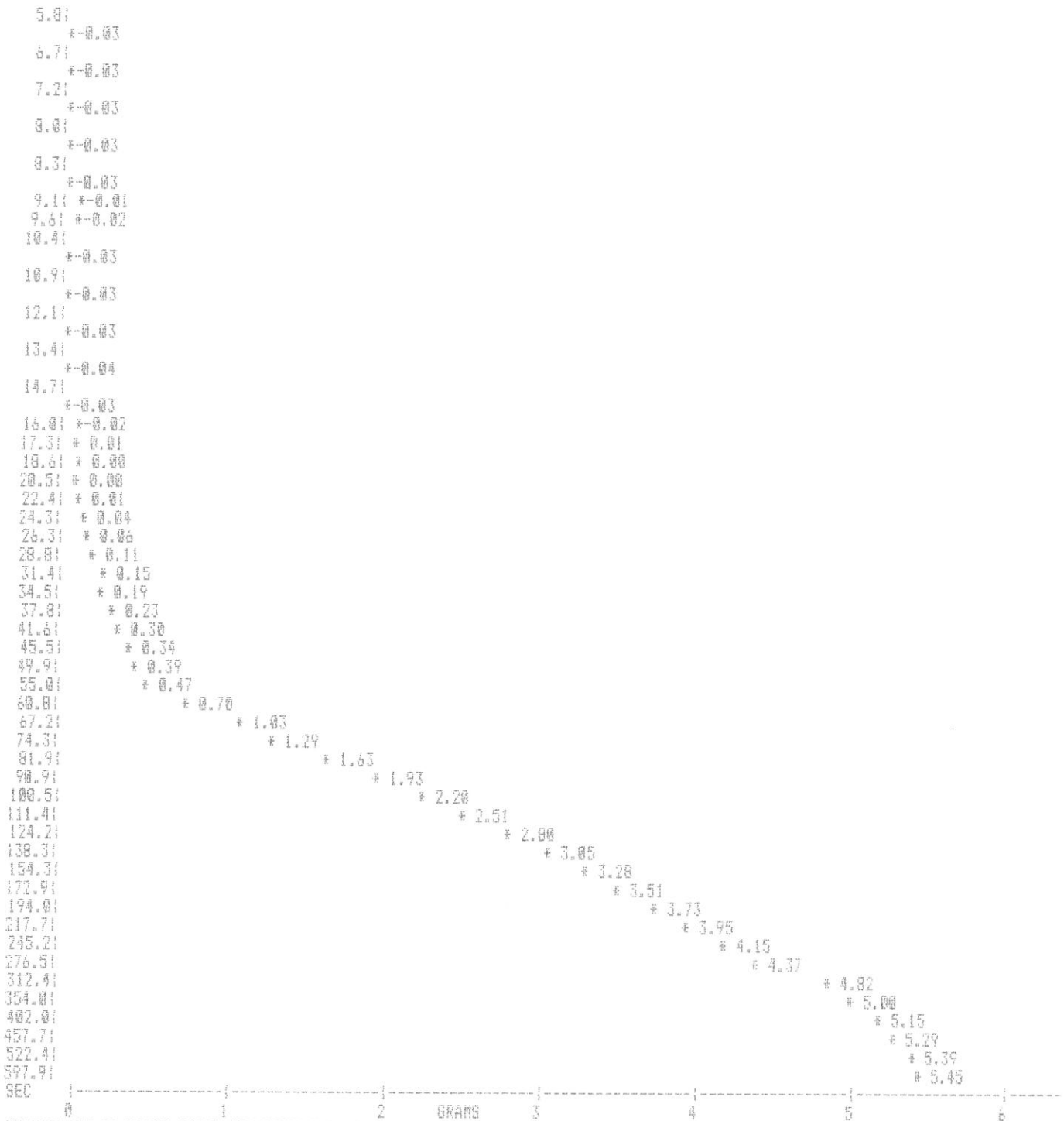
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.2526 : FINE SAND
 INCL GRAPH STD DEV: 0.6523 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: 0.0137 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.4503 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5919

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.3156

variance: 0.4271 *STP. Deviation = 0.6907*
 Skewness: -0.5073 *Kurtosis = 4.1350*

SKEWNESS= -0.5073
 STD DEVIATION= 0.6907
 KURTOSIS= 4.1350

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0050

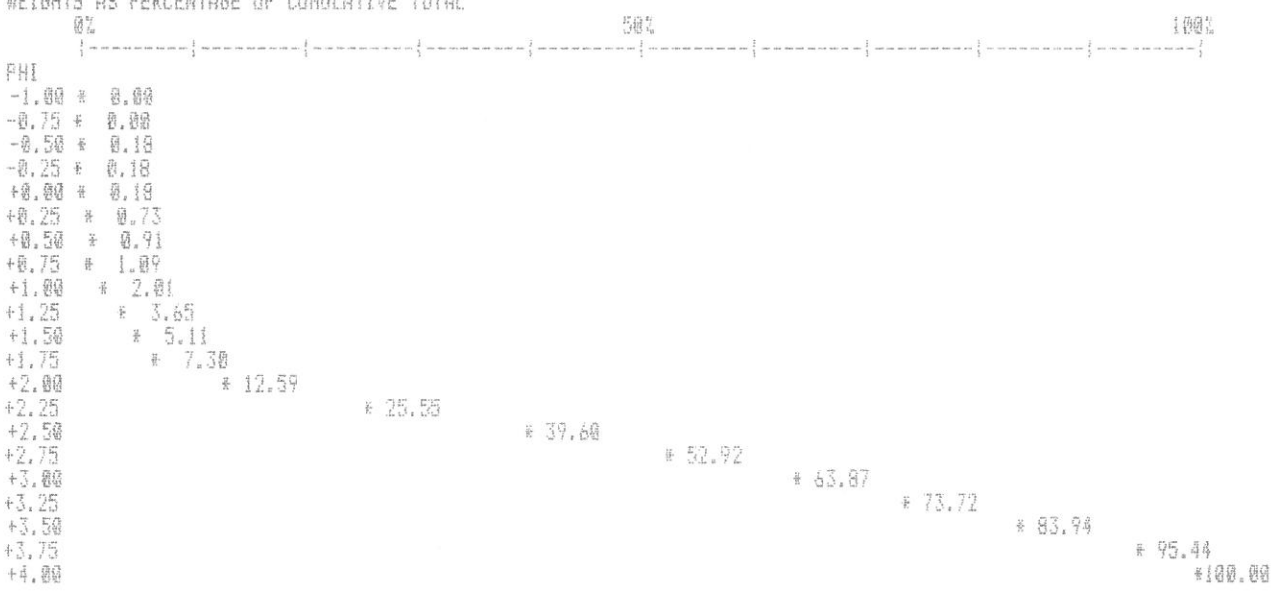
WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.19	0.00
-0.75	8.23	8.34	0.00
-0.50	9.48	9.61	0.01
-0.25	10.99	11.75	0.00
0.00	12.82	13.07	0.00
0.25	15.06	15.54	0.03
0.50	17.82	17.96	0.01
0.75	21.26	21.75	0.01
1.00	25.59	25.59	0.05
1.25	31.08	31.36	0.07
1.50	38.13	38.44	0.08
1.75	47.28	47.34	0.12
2.00	59.31	59.53	0.29
2.25	75.33	75.52	0.71
2.50	96.92	97.32	0.77

3.00	166.89	167.08	0.60
3.25	223.18	223.43	0.54
3.50	301.85	302.14	0.56
3.75	412.30	412.27	0.63
4.00	567.83	567.81	0.25

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 5.4800
 PERCENT WEIGHT ERROR: -9.5800
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0050
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	1.4813
PHI	16.0000%	=	2.0658
PHI	25.0000%	=	2.2394
PHI	50.0000%	=	2.6952
PHI	75.0000%	=	3.2813
PHI	84.0000%	=	3.5013
PHI	95.0000%	=	3.7405

MODE=	-0.5000	PHI	0.1825	CUM WT%
MODE=	0.2500	PHI	0.7299	CUM WT%
MODE=	1.2500	PHI	3.6496	CUM WT%
MODE=	2.5000	PHI	39.5985	CUM WT%
MODE=	3.7500	PHI	95.4380	CUM WT%

FOLLOWING ARE THE FOLK-HARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.7541 : FINE SAND
 INCL GRAPH STD DEV: 0.7012 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: 0.0242 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 0.8888 : PLATYKURTIC
 NORMALIZED KURTOSIS: 0.4705

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

VARIANCE= 0.5190
 SKEWNESS= -0.6384
 STD DEVIATION= 0.7209
 KURTOSIS= 3.9449

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K0052 page 1 of 3

5.41
 *-0.39
 6.31
 *-0.39
 6.91
 *-0.38
 7.61
 *-0.39
 8.21
 *-0.40
 8.91
 *-0.44
 9.61
 *-0.44
 10.31
 *-0.41
 10.61
 *-0.38
 11.81
 *-0.20
 13.11 * 0.03
 14.41 * 0.49
 15.61 * 0.00
 16.91 * 0.00
 18.21 * 0.00
 20.11 * 0.00
 22.01 * 0.00
 23.91 * 0.00
 25.81 * 0.00
 28.41 * 0.00
 31.01 * 0.00
 34.21 * 0.00
 37.31 * 0.00
 41.21 * 0.00
 45.01 * 0.00
 49.51 * 0.00
 54.71 * 0.00
 60.41 * 0.00
 66.81 * 0.00
 73.81 * 0.00
 81.51 * 0.00
 90.51 * 0.00
 100.11 * 0.00
 111.01 * 0.00
 123.01 * 0.00
 137.91 * 0.00
 153.91 * 0.00
 172.41 * 0.00
 193.61 * 0.00
 217.21 * 0.00
 244.01 * 0.00
 276.11 * 0.00
 312.01 * 0.00
 353.61 * 0.00
 401.61 * 0.00
 457.31 * 0.00
 522.01 * 0.00
 597.51 * 0.00



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0052

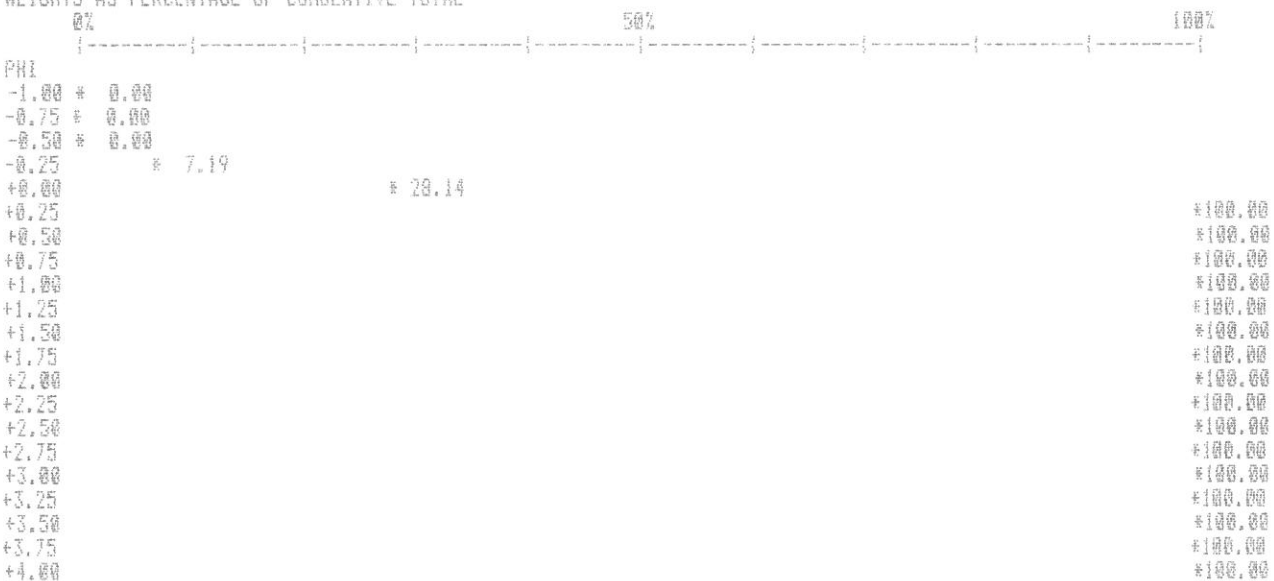
WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.57	0.00
-0.75	8.23	8.23	0.00
-0.50	9.48	9.55	0.00
-0.25	10.99	11.20	0.12
0.00	12.82	13.07	0.35
0.25	15.06	15.04	1.20
0.50	17.82	18.18	0.00

1.00	25.59	25.61	0.00
1.25	31.89	31.63	0.00
1.50	38.13	38.66	0.00
1.75	47.28	47.62	0.00
2.00	59.31	59.75	0.00
2.25	75.33	75.74	0.00
2.50	96.92	97.54	0.00
2.75	126.36	126.98	0.00
3.00	166.89	167.30	0.00
3.25	223.18	223.65	0.00
3.50	301.85	302.41	0.00
3.75	412.30	412.49	0.00
4.00	567.83	568.89	0.00

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 1.6700
 PERCENT WEIGHT ERROR: -72.4450
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0052
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



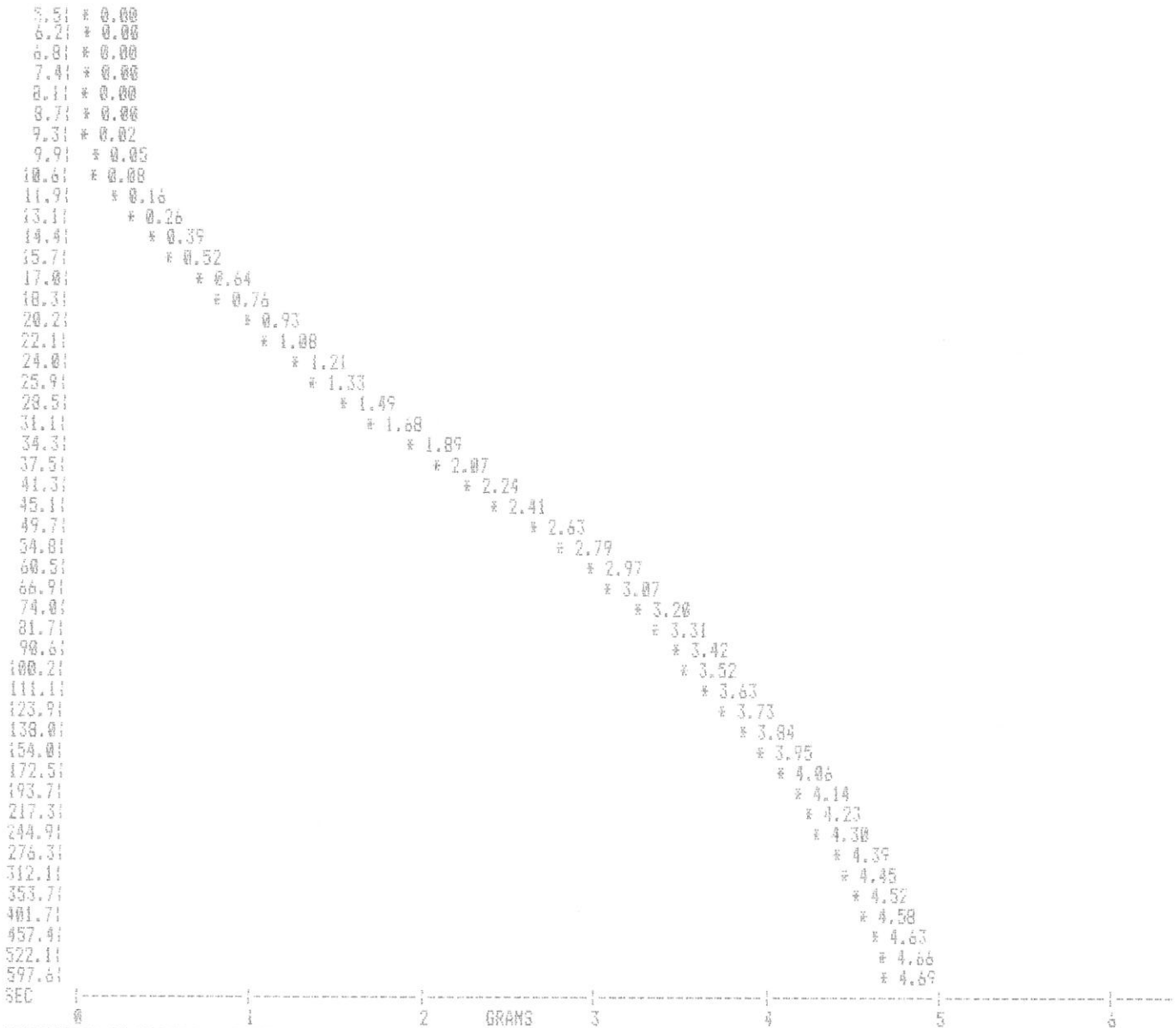
PHI	5.0000%	=	-0.3260
PHI	16.0000%	=	-0.1449
PHI	25.0000%	=	-0.0375
PHI	50.0000%	=	0.0760
PHI	75.0000%	=	0.1630
PHI	84.0000%	=	0.1943
PHI	95.0000%	=	0.2326

NODE=	0.2500	PHI	100.0000	CUM	WT%
NODE=	0.7500	PHI	100.0000	CUM	WT%
NODE=	1.2500	PHI	100.0000	CUM	WT%
NODE=	1.7500	PHI	100.0000	CUM	WT%
NODE=	2.2500	PHI	100.0000	CUM	WT%
NODE=	2.7500	PHI	100.0000	CUM	WT%
NODE=	3.2500	PHI	100.0000	CUM	WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
GRAPHIC MEAN: 0.0418 : COARSE SAND
INCL GRAPH STD DEV: 0.1694 : VERY WELL SORTED
INCL GRAPH SKEWNESS: -0.3710 : STRONGLY COARSE SKEWED
GRAPHIC KURTOSIS: 1.1410 : LEPTOKURTIC
NORMALIZED KURTOSIS: 0.5331

K0052 page 3 of 3

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
MEAN X= 0.1817
VARIANCE= 0.0233
SKEWNESS= -1.5232
STD DEVIATION= 0.1525
KURTOSIS= 4.1596



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0038

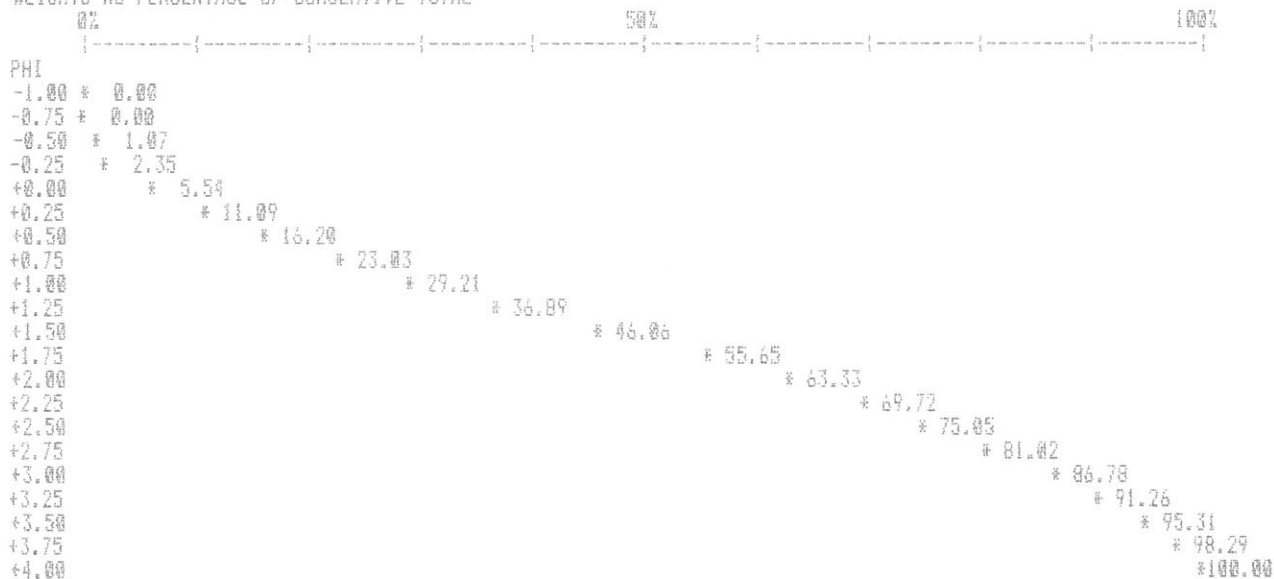
WATER TEMP.: 20

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.21	7.41	0.00
-0.75	8.26	8.67	0.00
-0.50	9.53	9.94	0.05
-0.25	11.05	11.25	0.06
0.00	12.91	13.12	0.15
0.25	15.19	15.70	0.26
0.50	18.01	18.29	0.24
0.75	21.54	22.00	0.32
1.00	25.98	26.63	0.29
1.25	31.65	31.80	0.36
1.50	38.96	39.38	0.43
1.75	48.50	48.99	0.45
2.00	61.11	61.24	0.36
2.25	77.98	78.43	0.30
2.50	100.84	100.95	0.25
2.75	132.14	132.20	0.20
3.00	175.41	175.76	0.27
3.25	235.67	235.95	0.21
3.50	320.08	320.43	0.19
3.75	438.76	438.85	0.14

4.00 000.00 000.00 000.00
 TOTAL IMMERSER WEIGHT: 4.000000
 CUM. TOT. WEIGHT: 4.000000
 PERCENT WEIGHT ERROR: -3.2688

k0038 page 2 of 2

04-01-2005
 SAMPLE NUMBER: K0038
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = -0.0425
 PHI 16.0000% = 0.4900
 PHI 25.0000% = 0.8297
 PHI 50.0000% = 1.8028
 PHI 75.0000% = 2.4975
 PHI 84.0000% = 2.8793
 PHI 95.0000% = 3.4809
 MODE= 0.2500 PHI 11.0874 CUM WT%
 MODE= 0.7500 PHI 23.0277 CUM WT%
 MODE= 1.7500 PHI 55.6503 CUM WT%
 MODE= 2.7500 PHI 81.0235 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.6573 : MEDIUM SAND
 INCL GRAPH STD DEV: 1.1312 : POORLY SORTED
 INCL GRAPH SKEWNESS: 0.0673 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 0.8658 : PLATYKURTIC
 NORMALIZED KURTOSIS: 0.4641

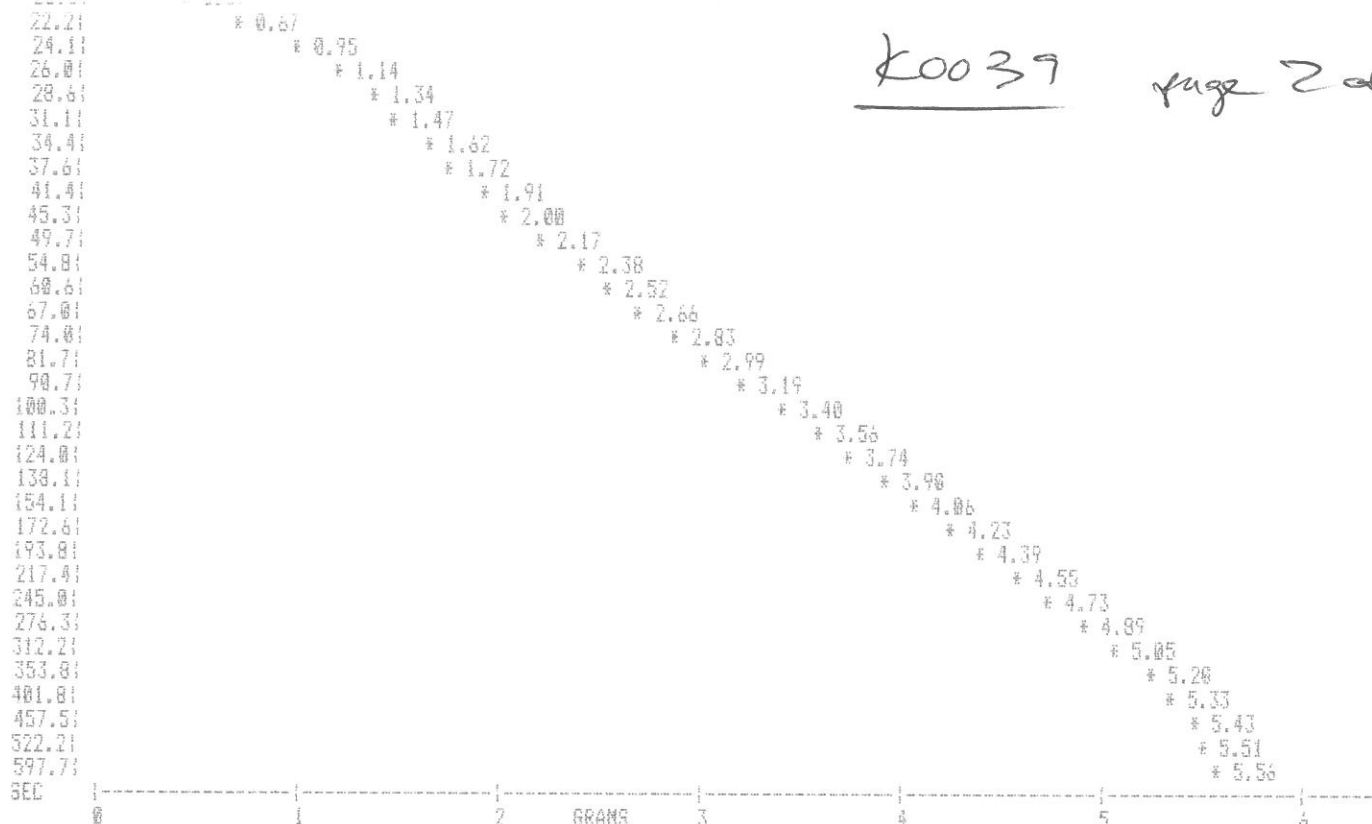
FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.7804
 VARIANCE= 1.1658
 SKEWNESS= 0.0884
 STD DEVIATION= 1.0797
 KURTOSIS= 2.2069

k0039 page 1 of 3

5.5! * 0.00
 6.2! * 0.00
 6.9! * 0.01
 7.5! * 0.00
 8.1! * 0.01
 8.8!
 * -0.03
 9.6! * -0.02
 10.1! * -0.02
 10.6! * 0.00
 12.0! * 0.00
 13.2! * 0.01
 14.5! * 0.04
 15.8! * 0.03
 17.1! * 0.07
 18.3! * 0.12

K0039

page 2 of 3



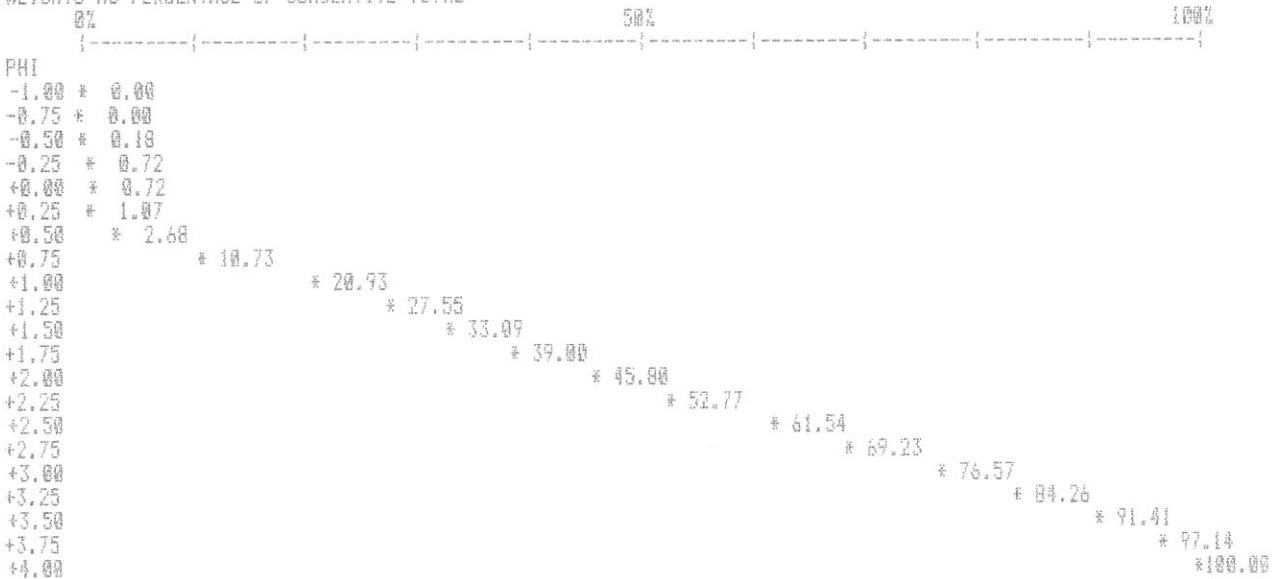
UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
SAMPLE NUMBER: K0039
WATER TEMP.: 20

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.21	7.46	0.00
-0.75	8.26	8.78	0.00
-0.50	9.53	9.55	0.01
-0.25	11.05	11.31	0.03
0.00	12.91	13.23	0.00
0.25	15.19	15.81	0.02
0.50	18.01	18.34	0.09
0.75	21.54	21.58	0.45
1.00	25.98	26.03	0.57
1.25	31.65	31.85	0.37
1.50	38.96	39.49	0.31
1.75	48.50	49.04	0.33
2.00	61.11	61.35	0.38
2.25	77.98	78.54	0.39
2.50	100.84	101.06	0.49
2.75	132.14	132.31	0.43
3.00	175.41	175.81	0.41
3.25	235.67	236.01	0.43
3.50	320.00	320.49	0.40
3.75	438.76	438.90	0.32
4.00	606.05	606.04	0.16

TOTAL IMMERSED WEIGHT: 6.060606
CUM. TOT. WEIGHT: 5.5900
PERCENT WEIGHT ERROR: -7.7650
WEIGHT ERROR %5

04-01-2005
SAMPLE NUMBER: K0039
CUMULATIVE CURVE OF DATA
WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

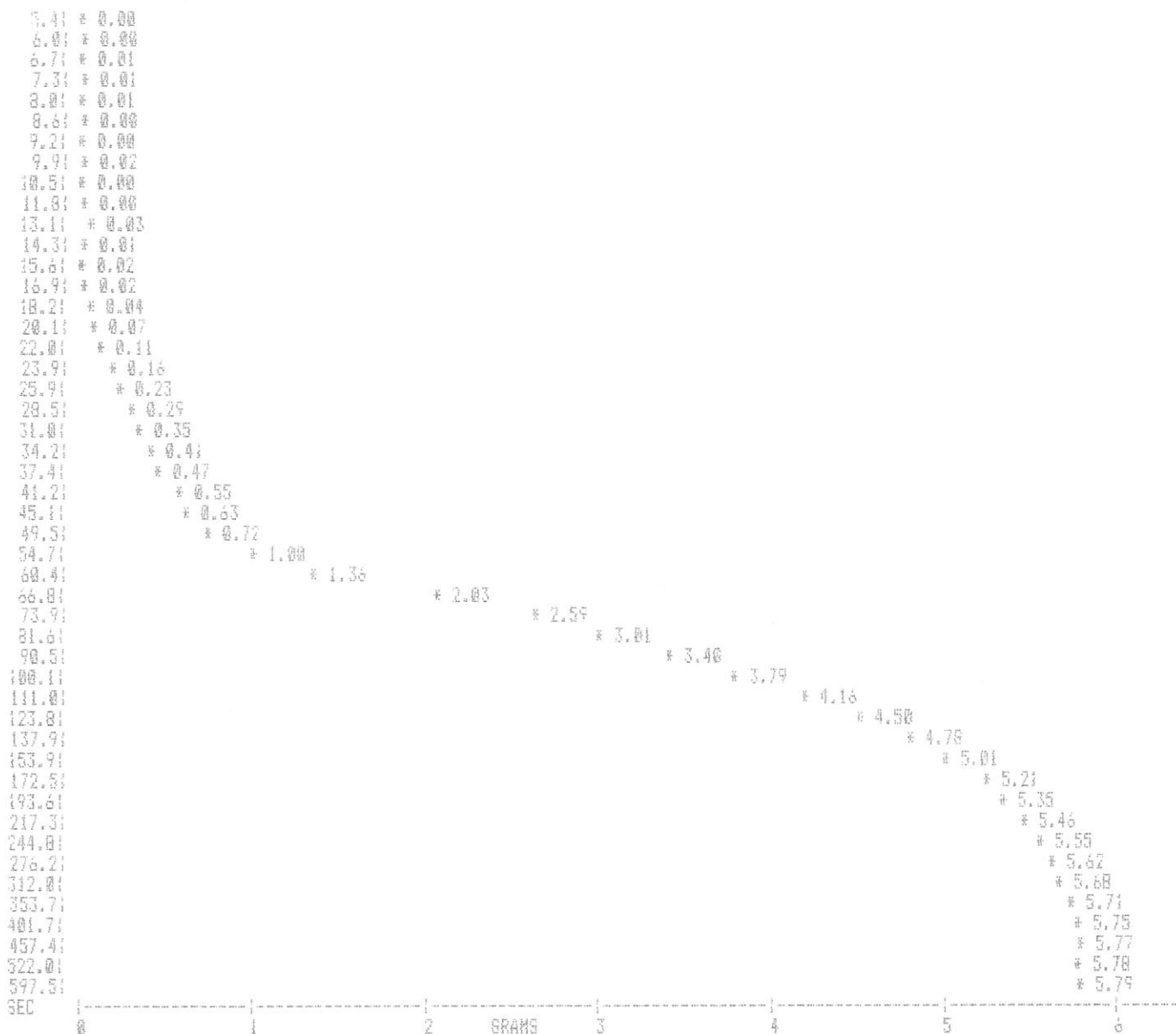


PHI 5.0000% = 0.5719
 PHI 16.0000% = 0.8791
 PHI 25.0000% = 1.1537
 PHI 50.0000% = 2.1506
 PHI 75.0000% = 2.9466
 PHI 84.0000% = 3.2416
 PHI 95.0000% = 3.6566

MODE= -0.2500 PHI 0.7156 CUM WT%
 MODE= 1.0000 PHI 20.9302 CUM WT%
 MODE= 2.5000 PHI 61.5395 CUM WT%
 MODE= 3.2500 PHI 84.2576 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.0905 : FINE SAND
 INCL GRAPH STD DEV: 1.0500 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.0500 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 0.7051 : PLATYKURTIC
 NORMALIZED KURTOSIS: 0.4135

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.2115
 VARIANCE= 1.0372
 SKEWNESS= -0.0756
 STD DEVIATION= 1.0184
 KURTOSIS= 1.9345



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0031

WATER TEMP.: 21

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.30	0.01
-0.75	8.25	8.62	0.00
-0.50	9.51	9.98	0.02
-0.25	11.03	11.20	0.00
0.00	12.80	13.07	0.04
0.25	15.14	15.65	0.00
0.50	17.95	18.18	0.02
0.75	21.44	21.42	0.05
1.00	25.85	25.86	0.14
1.25	31.45	31.63	0.13
1.50	38.67	38.66	0.14
1.75	48.08	48.27	0.19
2.00	60.49	61.13	0.75
2.25	77.07	77.11	1.32
2.50	99.49	99.47	1.01
2.75	130.15	130.22	0.07
3.00	172.49	172.46	0.57
3.25	231.39	232.00	0.31
3.50	313.83	313.95	0.16
3.75	429.69	429.84	0.08
4.00	592.96	593.03	0.03

TOTAL IMMERSED WEIGHT: 6.060605

K0031 page 2 of 2

@4-01-2005
 SAMPLE NUMBER: K0031
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

PHI	WT%	CUM WT%
-1.00	* 0.17	
-0.75	* 0.17	
-0.50	* 0.51	
-0.25	* 0.51	
+0.00	* 1.20	
+0.25	* 1.20	
+0.50	* 1.54	
+0.75	* 2.40	
+1.00	* 4.79	
+1.25	* 7.02	
+1.50	* 9.42	
+1.75	* 12.67	
+2.00		* 25.51
+2.25		* 48.12
+2.50		* 65.41
+2.75		* 80.31
+3.00		* 90.07
+3.25		* 95.38
+3.50		* 98.12
+3.75		* 99.49
+4.00		* 100.00

PHI 5.0000% = 1.0231
PHI 16.0000% = 1.8148
PHI 25.0000% = 1.9900
PHI 50.0000% = 2.2772
PHI 75.0000% = 2.6607
PHI 94.0000% = 2.8446
PHI 95.0000% = 3.2323

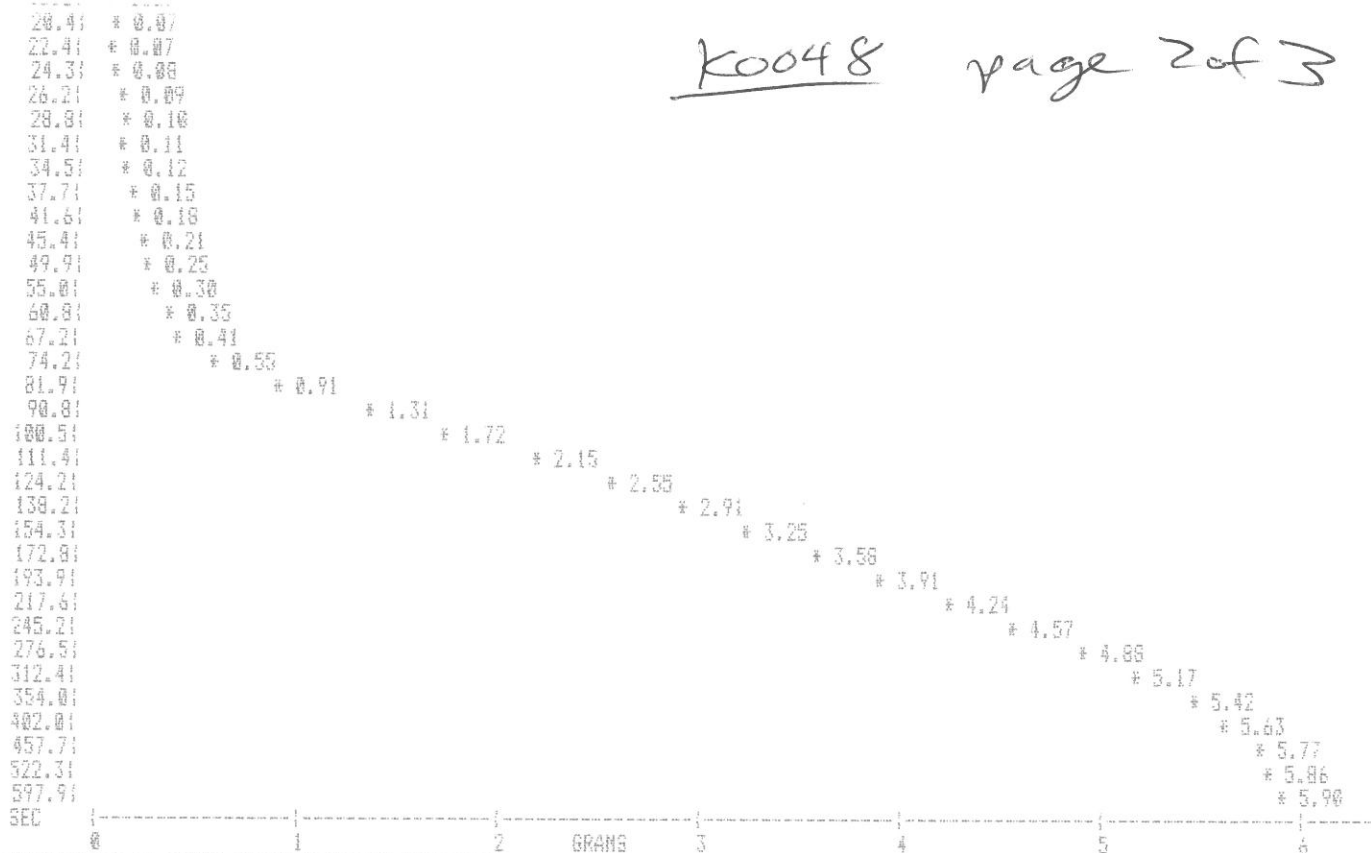
MODE= -1.0000 PHI 0.1712 CUM WT%
MODE= -0.5000 PHI 0.5137 CUM WT%
MODE= 0.0000 PHI 1.1986 CUM WT%
MODE= 1.0000 PHI 4.7945 CUM WT%
MODE= 2.2500 PHI 49.1164 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.3122 : FINE SAND
 INCL GRAPH STD DEV: 0.5922 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.0168 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 1.3495 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5744

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.3900
 VARIANCE= 0.4236
 SKEWNESS= -1.0095
 STD DEVIATION= 0.6508
 KURTOSIS= 6.2024

K0048 page 1 of 3

5.01 * 0.00
6.41 * 0.00
7.01 * 0.00
7.71 * 0.00
8.31 * 0.00
8.91 * 0.00
9.61 * 0.01
10.21 * 0.02
10.91 * 0.01
12.11 * 0.00
13.41 * 0.02
14.71 * 0.01
16.01 * 0.04
17.21 * 0.05



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04-01-2005

SAMPLE NUMBER: K0048

WATER TEMP.: 21

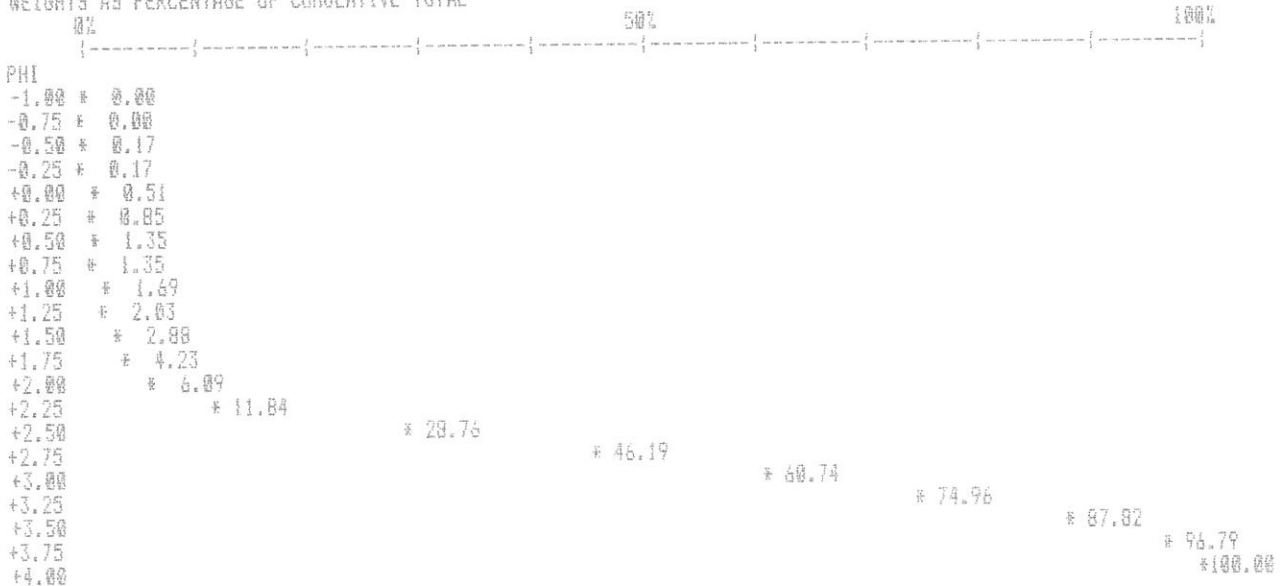
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.20	7.68	0.00
-0.75	8.25	8.34	0.00
-0.50	9.51	9.61	0.01
-0.25	11.03	11.53	0.00
0.00	12.88	13.40	0.02
0.25	15.14	15.37	0.02
0.50	17.95	18.56	0.03
0.75	21.44	21.75	0.00
1.00	25.85	26.19	0.02
1.25	31.45	32.02	0.02
1.50	38.67	38.99	0.05
1.75	48.08	48.60	0.08
2.00	60.49	60.80	0.11
2.25	77.07	77.44	0.34
2.50	99.49	99.85	1.00
2.75	130.15	130.55	1.03
3.00	172.49	172.79	0.86
3.25	231.39	231.73	0.84
3.50	313.83	314.28	0.76
3.75	429.69	430.17	0.53
4.00	592.96	593.41	0.19

TOTAL IMMERSED WEIGHT: 6.060606

CUM. TOT. WEIGHT: 5.9100

PERCENT WEIGHT ERROR: -2.4850

04-01-2005
SAMPLE NUMBER: K0048
CUMULATIVE CURVE OF DATA
WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL

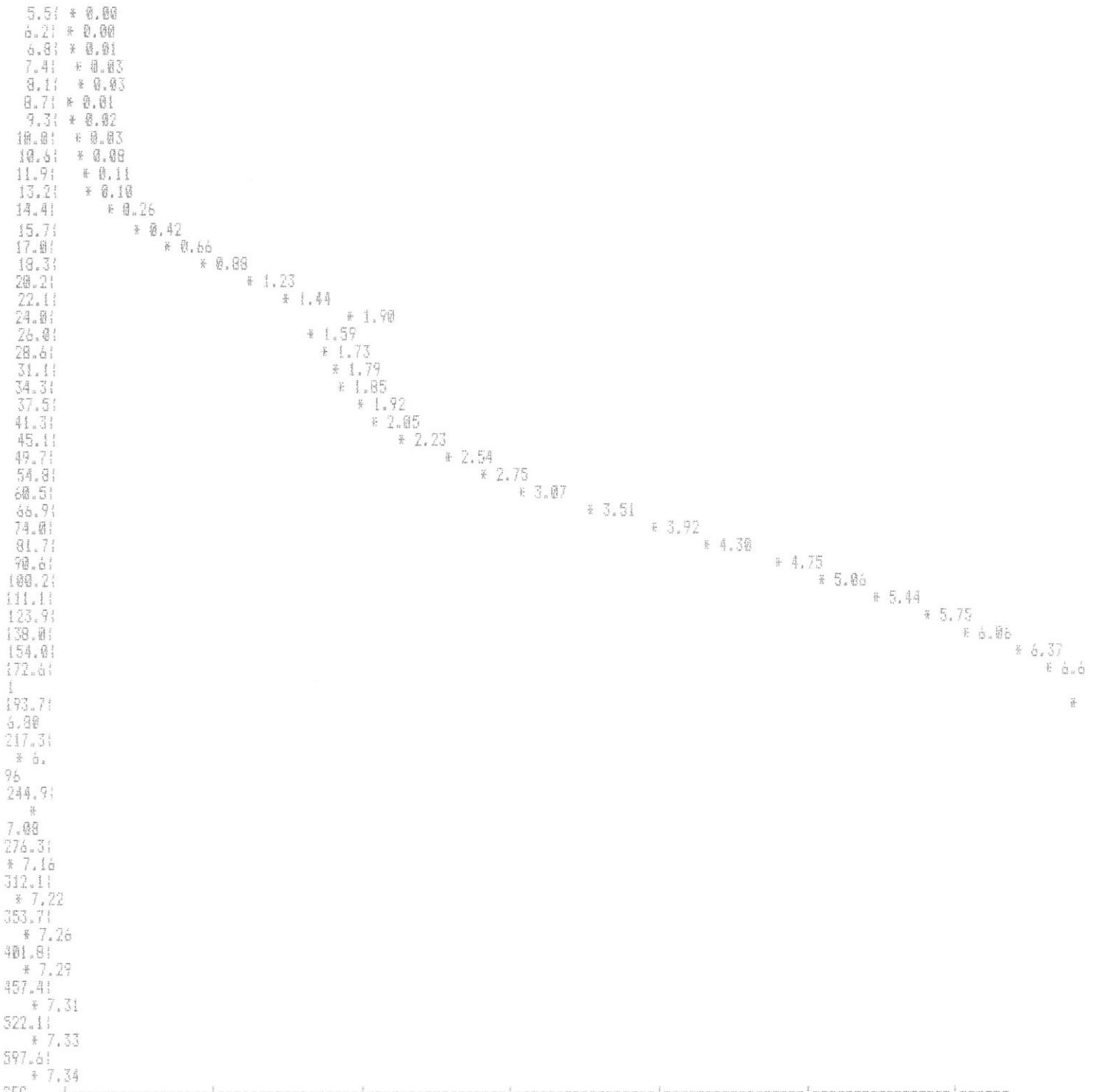


PHI	5.0000%	=	1.8534
PHI	16.0000%	=	2.3114
PHI	25.0000%	=	2.4444
PHI	50.0000%	=	2.8154
PHI	75.0000%	=	3.2508
PHI	84.0000%	=	3.4258
PHI	95.0000%	=	3.7002

MODE=	-0.5000	PHI	0.1692	CUM WT%
MODE=	0.0000	PHI	0.5076	CUM WT%
MODE=	0.5000	PHI	1.3536	CUM WT%
MODE=	1.0000	PHI	1.6928	CUM WT%
MODE=	2.7500	PHI	46.1929	CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.8509 : FINE SAND
 INCL GRAPH STD DEV: 0.5584 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: 0.0268 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 0.9386 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4842

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.9289
 VARIANCE= 0.3953
 SKEWNESS= -1.2377
 STD DEVIATION= 0.6288
 KURTOSIS= 7.8342



SEC 0-----1-----2-----3-----4-----5-----6-----

UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

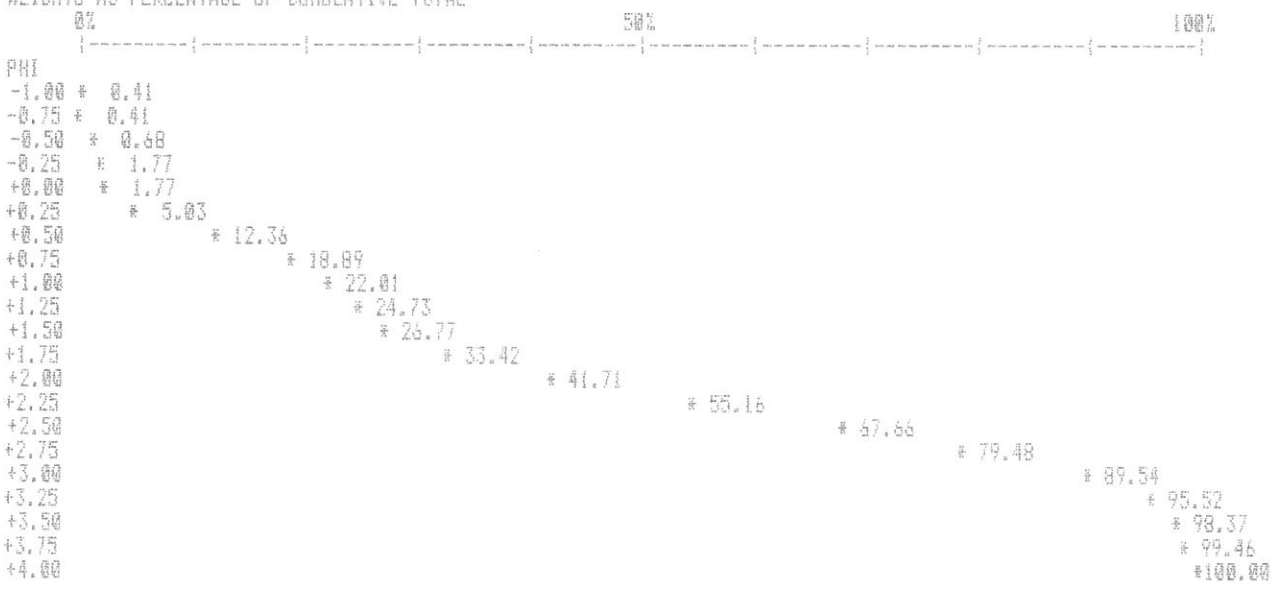
SAMPLE NUMBER: K0061

WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.41	0.03
-0.75	8.23	8.67	0.00
-0.50	9.48	9.99	0.02
-0.25	10.99	11.25	0.08
0.00	12.82	13.10	0.00
0.25	15.06	15.10	0.24
0.50	17.82	18.29	0.54
0.75	21.26	21.47	0.48
1.00	25.59	25.97	0.23
1.25	31.08	31.08	0.20
1.50	38.13	38.17	0.15
1.75	47.28	47.73	0.49

2.25	75.33	75.90	0.99
2.50	96.92	96.99	0.92
2.75	126.36	126.49	0.87
3.00	166.89	167.41	0.74
3.25	223.18	223.76	0.44
3.50	301.85	301.87	0.21
3.75	412.30	412.60	0.00
4.00	567.83	568.20	0.04
TOTAL IMMERSED WEIGHT: 6.060606			
CUM. TOT. WEIGHT: 7.3600			
PERCENT WEIGHT ERROR: 21.4400			
WEIGHT ERROR >5%			

04-01-2005
 SAMPLE NUMBER: K0061
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	0.2479
PHI	16.0000%	=	0.6394
PHI	25.0000%	=	1.2833
PHI	50.0000%	=	2.1540
PHI	75.0000%	=	2.6552
PHI	94.0000%	=	2.8623
PHI	95.0000%	=	3.2284

MODE=	-1.0000	PHI	0.4076	CUM WT%
MODE=	-0.2500	PHI	1.7663	CUM WT%
MODE=	0.5000	PHI	12.3641	CUM WT%
MODE=	2.2500	PHI	55.1630	CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.8852 : MEDIUM SAND
 INCL GRAPH STD DEV: 1.0073 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.3209 : STRONGLY COARSE SKEWED
 GRAPHIC KURTOSIS: 0.8904 : PLATYKURTIC
 NORMALIZED KURTOSIS: 0.4710

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.0622
 VARIANCE= 0.9468

STD Dev: 0.9730

Kurtosis: 2.6072

SEC 0 1 2 3 4 5 6 GRAMS

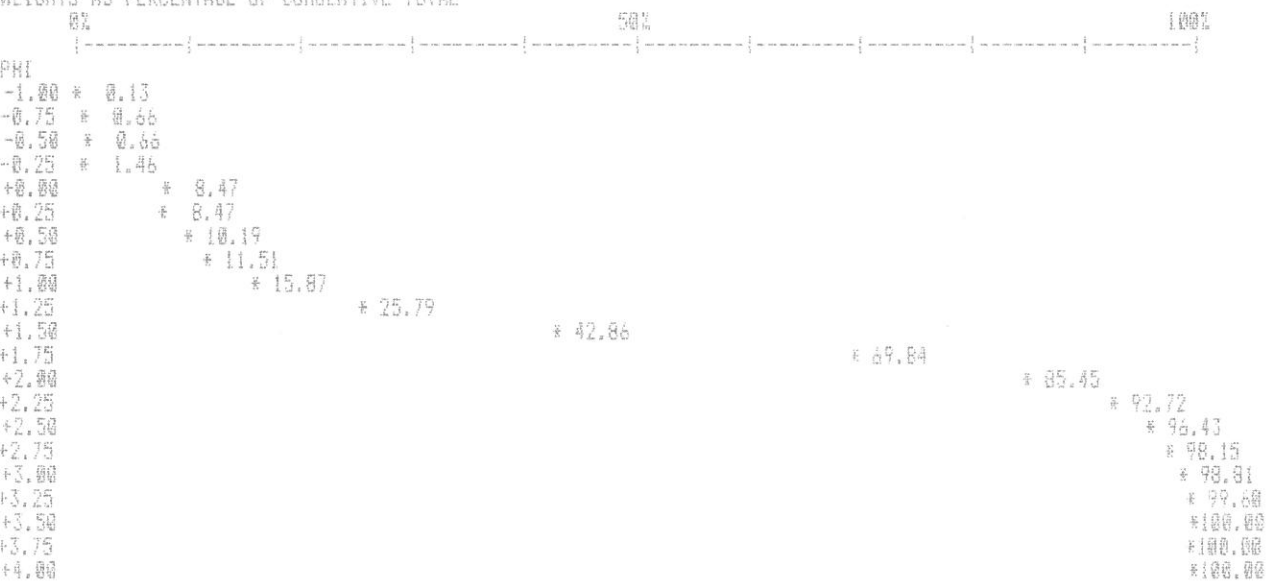
UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0063
 WATER TEMP.: 23

K0063
 page 2 of 3

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.36	0.01
-0.75	8.23	8.62	0.04
-0.50	9.48	9.88	0.00
-0.25	10.99	11.14	0.06
0.00	12.82	13.07	0.53
0.25	15.06	15.15	0.00
0.50	17.82	18.18	0.13
0.75	21.26	21.42	0.10
1.00	25.59	25.86	0.33
1.25	31.00	31.69	0.75
1.50	38.13	38.11	1.29
1.75	47.28	47.62	2.04
2.00	59.31	59.81	1.18
2.25	75.33	75.79	0.55
2.50	96.92	96.94	0.28
2.75	126.36	126.38	0.13
3.00	166.89	167.35	0.05
3.25	223.18	223.71	0.06
3.50	301.85	302.41	0.03
3.75	412.38	412.54	0.00
4.00	567.83	568.09	0.00

TOTAL IMMERSED WEIGHT: 6.860606
 CUM. TOT. WEIGHT: 7.5600
 PERCENT WEIGHT ERROR: 24.7400
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0063
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	-0.1236
PHI	16.0000%	=	1.0032
PHI	25.0000%	=	1.2300
PHI	50.0000%	=	1.5662
PHI	75.0000%	=	1.8326
PHI	94.0000%	=	1.9768
PHI	95.0000%	=	2.4036
MODE=	-0.7500 PHI		0.6614 CUM WT%
MODE=	0.0000 PHI		0.4656 CUM WT%
MODE=	0.5000 PHI		10.1952 CUM WT%
MODE=	1.7500 PHI		69.8413 CUM WT%
MODE=	3.2500 PHI		99.6032 CUM WT%

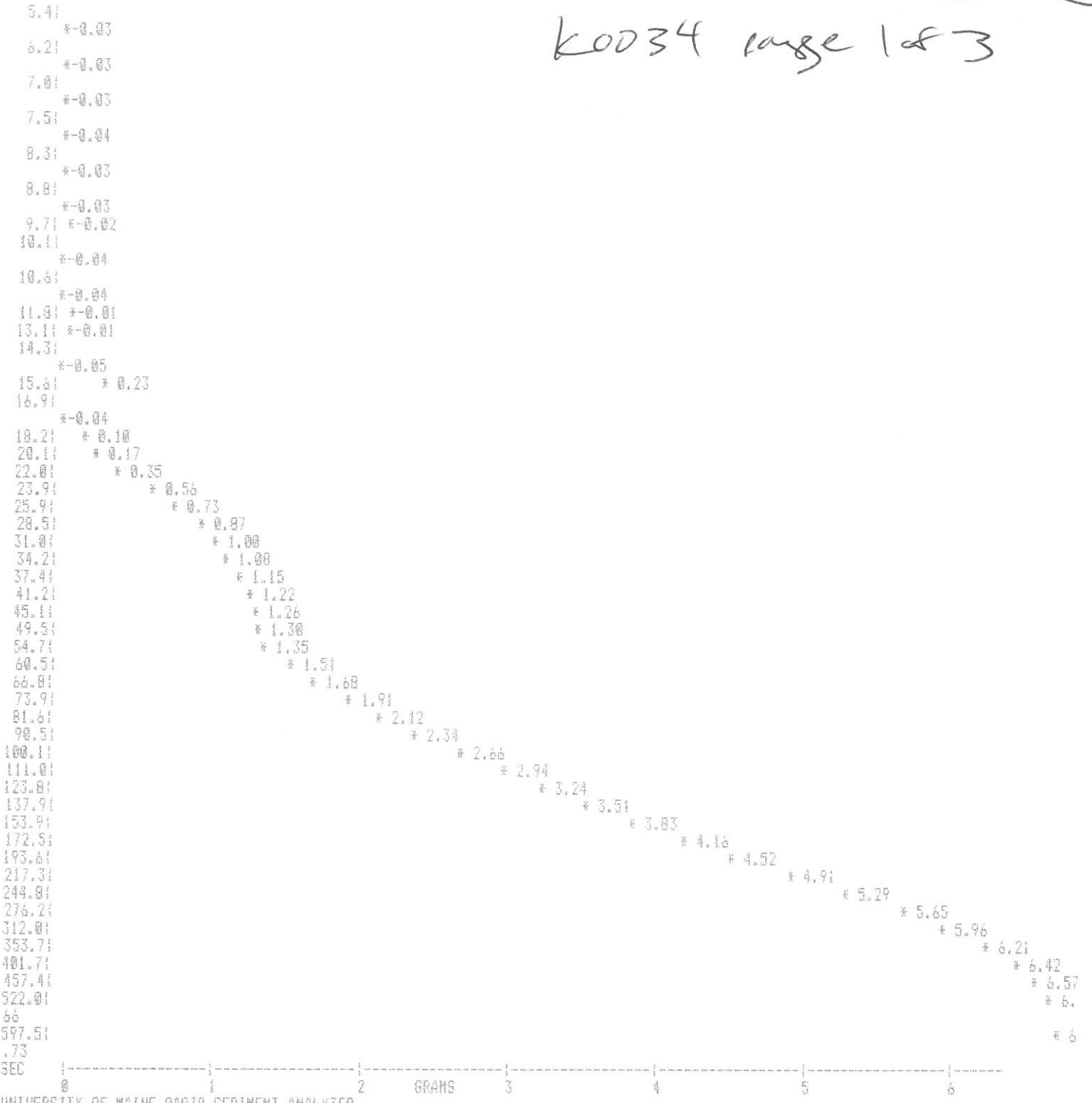
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.5154 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.6263 : MODERATELY WELL SORTED
 INCL GRAPH SKEWNESS: -0.2469 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.7187 : VERY LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.6322

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.5823

SKEWNESS= -0.0000
 STD DEVIATION= 0.6844
 KURTOSIS= 4.5686

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K0034 page 1 of 3



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0034
 WATER TEMP.: 23

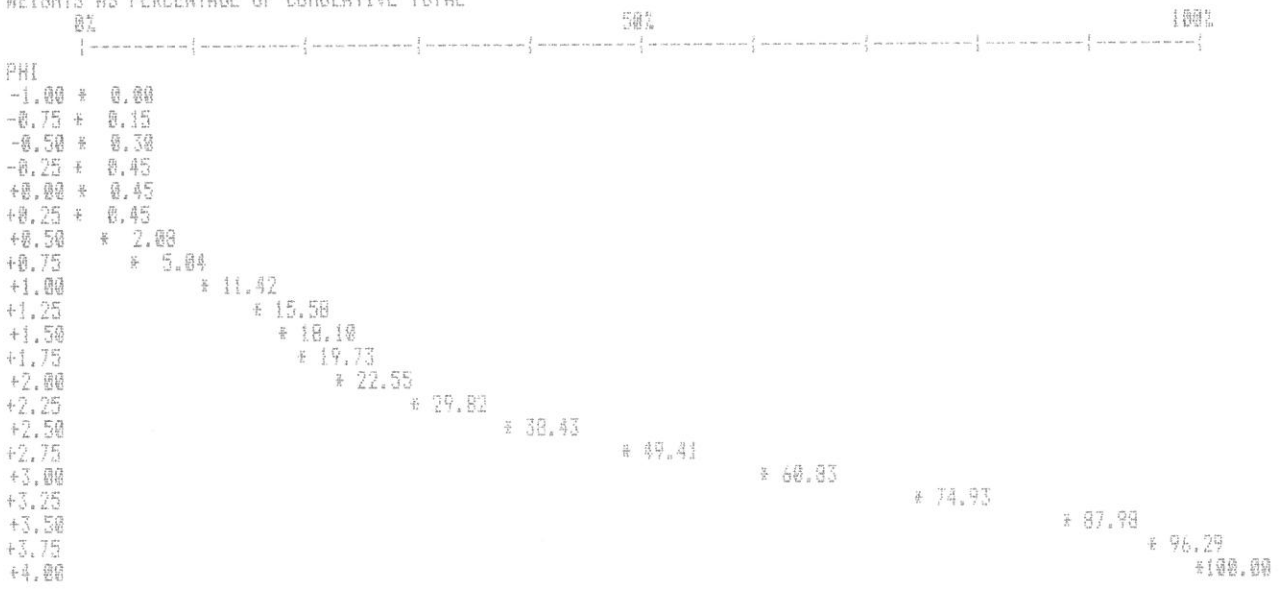
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.46	0.00
-0.75	8.23	8.29	0.01
-0.50	9.48	9.66	0.01
-0.25	10.99	11.47	0.01
0.00	12.82	13.07	0.00
0.25	15.06	15.15	0.00
0.50	17.82	18.18	0.11
0.75	21.26	21.36	0.20
1.00	25.59	25.86	0.43
1.25	31.09	31.69	0.28
1.50	38.13	38.66	0.17
1.75	47.28	47.67	0.11
2.00	59.31	59.81	0.19

2.50	96.92	98.94	0.58
2.75	126.36	128.38	0.74
3.00	166.89	167.35	0.77
3.25	223.18	223.65	0.95
3.50	301.85	302.41	0.88
3.75	412.38	412.54	0.56
4.00	567.83	568.09	0.25

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.7400
 PERCENT WEIGHT ERROR: 11.2100
 WEIGHT ERROR >5%

K0034 page 2 of 3

04-01-2005
 SAMPLE NUMBER: K0034
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



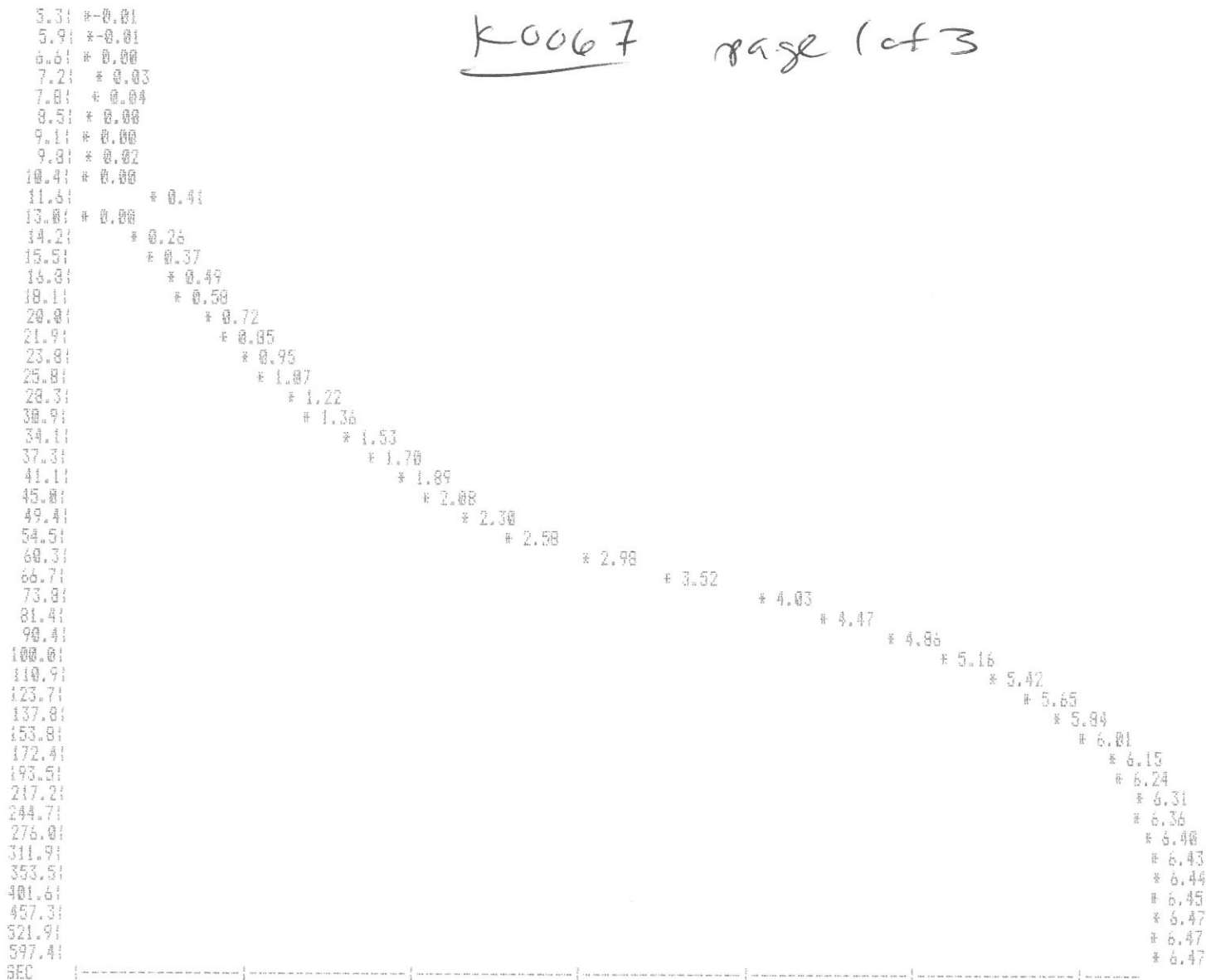
PHU	5.0000%	=	0.7462
PHU	16.0000%	=	1.2918
PHU	25.0000%	=	2.0842
PHU	50.0000%	=	2.7630
PHU	75.0000%	=	3.2514
PHU	84.0000%	=	3.4237
PHU	95.0000%	=	3.7112

MODE= -0.2500 PHU 0.4451 CUM WTX
 MODE= 1.0000 PHU 11.4243 CUM WTX
 MODE= 3.2500 PHU 74.9258 CUM WTX

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.4928 : FINE SAND
 INCL GRAPH STD DEV: 0.9822 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.3703 : STRONGLY COARSE SKEWED
 GRAPHIC KURTOSIS: 1.0410 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.5101

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.6651
 VARIANCE= 0.8822
 SKEWNESS= -0.8358

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0067

WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.19	0.03
-0.75	8.23	8.51	0.00
-0.50	9.48	9.77	0.02
-0.25	10.99	11.04	0.00
0.00	12.82	12.96	0.01
0.25	15.06	15.40	0.37
0.50	17.82	18.07	0.21
0.75	21.26	21.25	0.23
1.00	25.59	25.76	0.26
1.25	31.00	31.50	0.32
1.50	38.13	38.55	0.38
1.75	47.28	47.51	0.43
2.00	59.31	59.70	0.73
2.25	75.33	75.68	1.22
2.50	96.92	97.43	0.93
2.75	126.36	126.93	0.61
3.00	166.89	167.24	0.42
3.25	223.18	223.60	0.21
3.50	301.85	302.30	0.10
3.75	412.30	412.38	0.04
4.00	567.83	567.98	0.01

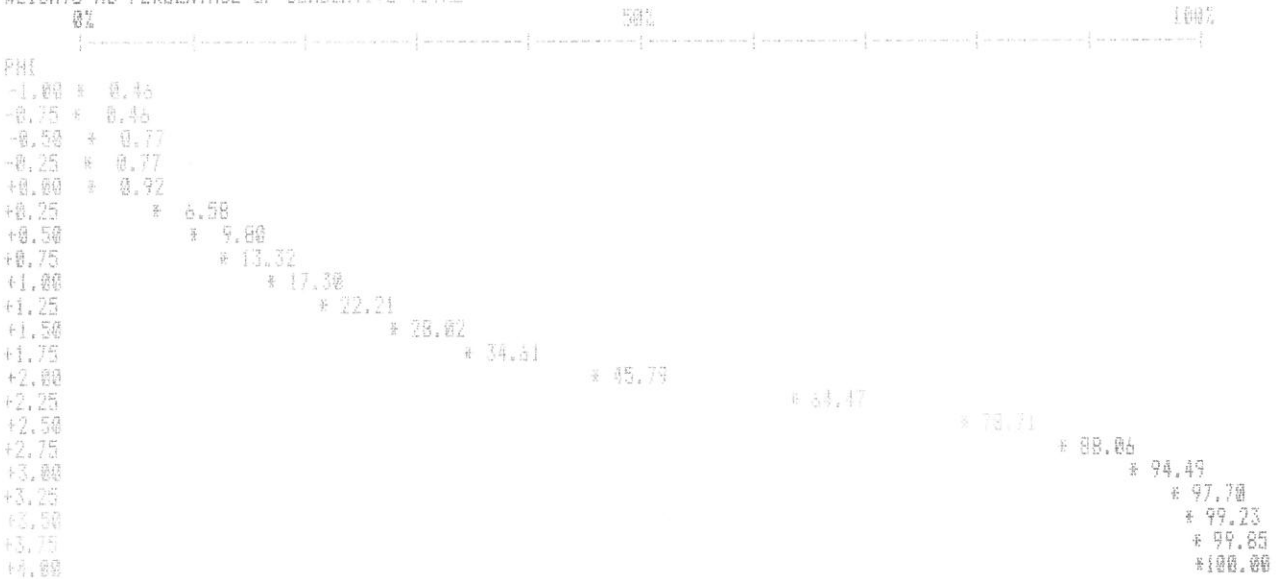
TOTAL IMMERSSED WEIGHT: 6.050606

CUM. TOT. WEIGHT: 6.5300

PERCENT WEIGHT ERROR: 7.7450

WEIGHT ERROR %5

04-01-2005
 SAMPLE NUMBER: K0067
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 0.1801
 PHI 16.0000% = 0.9181
 PHI 25.0000% = 1.3701
 PHI 50.0000% = 2.0564
 PHI 75.0000% = 2.4348
 PHI 84.0000% = 2.6415
 PHI 95.0000% = 3.0397

MODE= -1.0000 PHI 0.4594 CUM WT%
 MODE= -0.5000 PHI 0.7657 CUM WT%
 MODE= 0.2500 PHI 6.5850 CUM WT%
 MODE= 2.2500 PHI 64.4717 CUM WT%

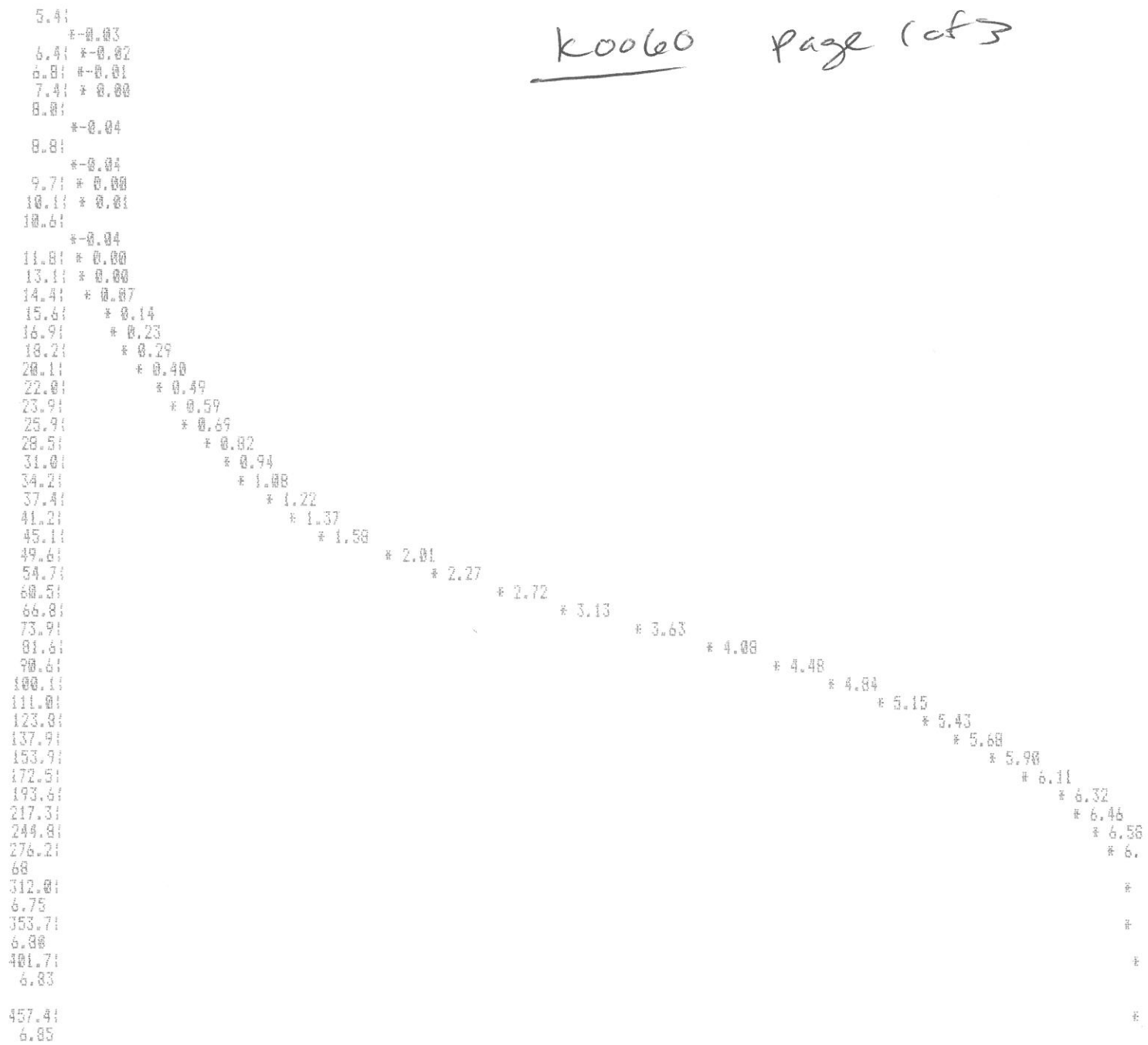
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.8720 : MEDIUM SAND
 INCL GRAPH STD DEV: 0.8642 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.3166 : STRONGLY COARSE SKEWED
 GRAPHIC KURTOSIS: 1.1008 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.5240

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.9912
 VARIANCE= 0.7272

STD DEVIATION= 0.8528
 KURTOSIS= 3.1798

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522.01
 * 6.8
 7
 597.51
 * 6.8
 8

UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0060
 WATER TEMP.: 23

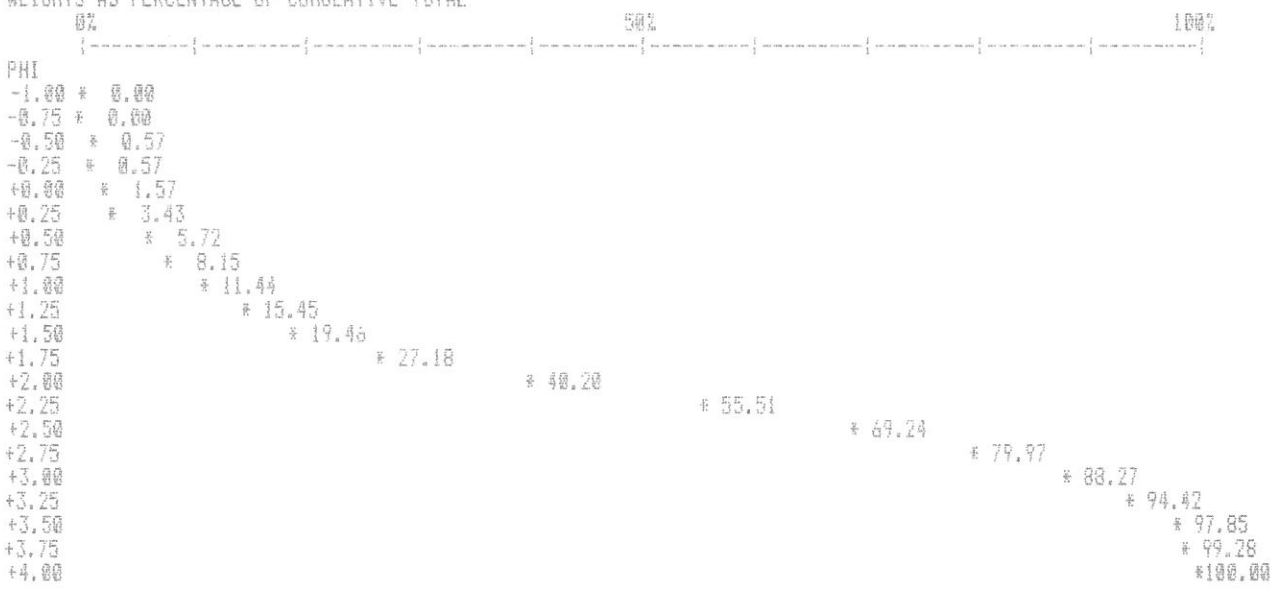
PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.36	0.08
-0.75	8.23	8.79	0.08
-0.50	9.48	9.72	0.04
-0.25	10.99	11.42	0.08
0.00	12.82	13.07	0.07
0.25	15.06	15.04	0.13
0.50	17.82	18.18	0.16
0.75	21.26	21.42	0.17
1.00	25.59	25.86	0.23
1.25	31.08	31.69	0.28
1.50	38.13	38.11	0.28

2.00	59.31	59.81	0.91
2.25	75.33	75.79	1.07
2.50	96.92	96.94	0.96
2.75	126.36	126.39	0.75
3.00	166.89	167.35	0.58
3.25	223.19	223.71	0.43
3.50	301.85	302.41	0.24
3.75	412.30	412.54	0.10
4.00	567.83	568.09	0.05

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 6.9900
 PERCENT WEIGHT ERROR: 15.3350
 WEIGHT ERROR >5%

K0060 page 2 of 3

04-01-2005
 SAMPLE NUMBER: K0060
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = 0.4211
 PHI 16.0000% = 1.2843
 PHI 25.0000% = 1.6794
 PHI 50.0000% = 2.1600
 PHI 75.0000% = 2.6342
 PHI 84.0000% = 2.9714
 PHI 95.0000% = 3.2922
 NODE= -0.5000 PHI 0.5722 CUM WT%
 NODE= 1.2500 PHI 15.4506 CUM WT%
 NODE= 2.2500 PHI 55.5079 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.1052 : FINE SAND
 INCL GRAPH STD DEV: 0.8318 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.1575 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.2324 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5521

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.2042
 VARIANCE= 0.6839
 SKEWNESS= -0.6361

5.71 * 0.02
 6.41 * 0.02
 7.01 * 0.00
 7.61 * -0.01
 8.31 * 0.03
 8.91 * 0.05
 9.61 * -0.01
 10.21 * 0.00
 10.81 * 0.04
 12.11
 13.41
 14.71
 15.91
 17.21
 18.51
 20.41
 22.41
 24.31
 26.21
 28.71
 31.31
 34.51
 37.71
 41.51
 45.41
 49.91
 6.76
 55.01
 * 6.8
 9
 60.71
 * 6
 .98
 67.21
 *
 7.07
 74.21
 * 7.14
 81.91
 * 7.21
 90.01
 * 7.27
 100.41
 * 7.32
 111.31
 * 7.36
 124.11
 * 7.40
 138.21
 * 7.42
 154.21
 * 7.45
 172.01
 * 7.46
 193.91
 * 7.47
 217.61
 * 7.48
 245.11
 * 7.49
 276.51
 * 7.50
 312.31
 * 7.51
 353.91
 * 7.51
 401.91
 * 7.51
 457.61 * 7.53
 522.31 * 7.53
 597.91 * 7.54

* 0.71
 * 0.77
 * 1.74
 * 2.23
 * 2.91
 * 3.28
 * 3.55
 * 3.83
 * 4.06
 * 4.22
 * 4.49
 * 4.92
 * 5.55
 * 5.95
 * 6.30
 * 6.56



UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0062

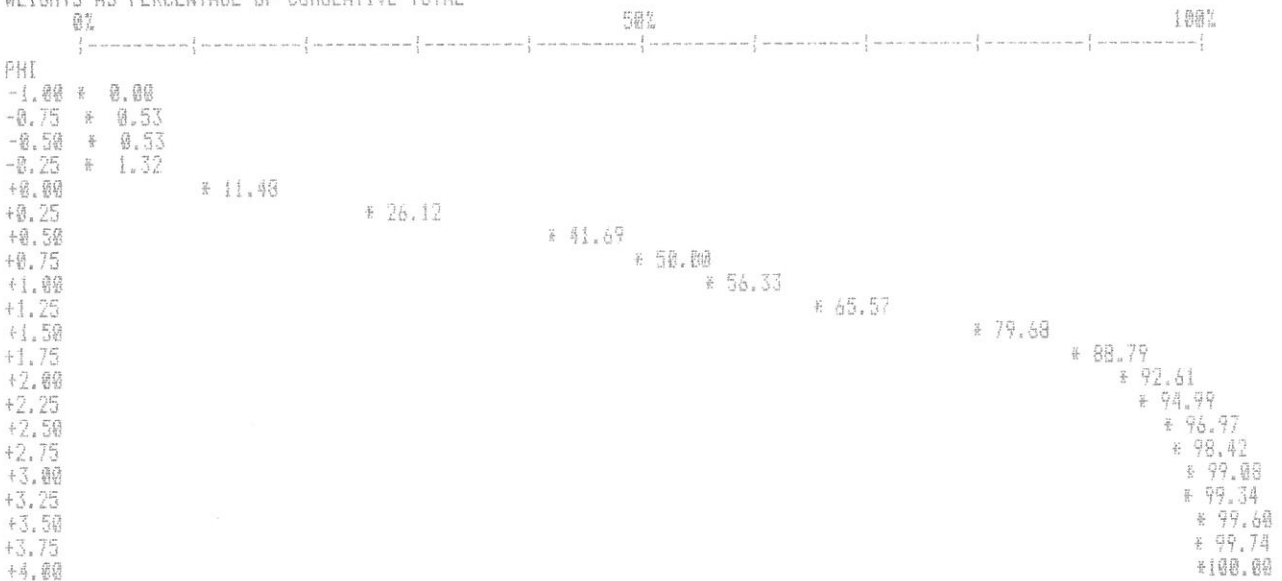
WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.63	0.00
-0.75	8.23	8.29	0.04
-0.50	9.48	9.55	0.00
-0.25	10.99	11.47	0.06

0.25	15.06	15.37	1.11
0.50	17.82	17.96	1.18
0.75	21.26	21.69	0.63
1.00	25.59	26.19	0.48
1.25	31.09	31.30	0.70
1.50	38.13	38.55	1.07
1.75	47.28	47.29	0.69
2.00	59.31	59.48	0.29
2.25	75.33	75.46	0.18
2.50	96.92	97.21	0.15
2.75	126.36	126.65	0.11
3.00	166.89	167.02	0.05
3.25	223.18	223.32	0.02
3.50	301.85	302.09	0.02
3.75	412.30	412.82	0.01
4.00	567.83	568.36	0.02

TOTAL IMMERSED WEIGHT: 6.060006
 CUM. TOT. WEIGHT: 7.5000
 PERCENT WEIGHT ERROR: 25.0700
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0062
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	-0.1594
PHI	16.0000%	=	0.0772
PHI	25.0000%	=	0.2307
PHI	50.0000%	=	0.7500
PHI	75.0000%	=	1.4171
PHI	84.0000%	=	1.6196
PHI	95.0000%	=	2.2517
MODE=	-0.7500 PHI		0.5277 CUM WT%
MODE=	0.5000 PHI		41.6887 CUM WT%
MODE=	1.5000 PHI		79.6834 CUM WT%
MODE=	3.5000 PHI		99.6042 CUM WT%

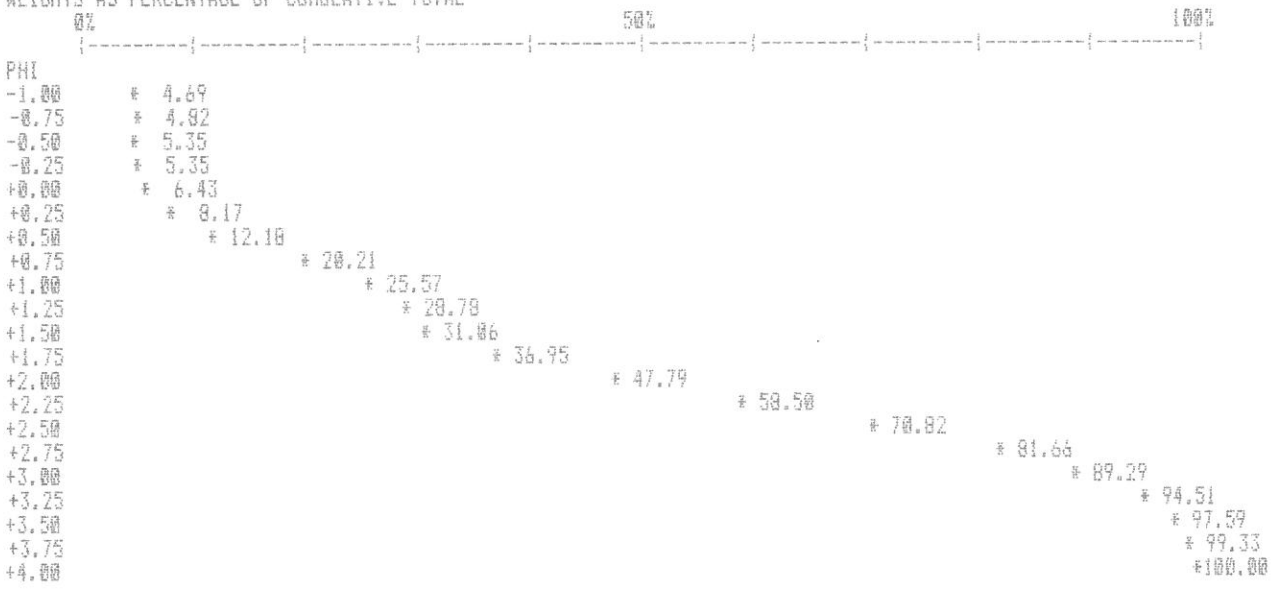
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 0.8153 : COARSE SAND
 INCL GRAPH STD DEV: 0.7507 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.1863 : FINE SKEWED
 GRAPHIC KURTOSIS: 0.8330 : PLATYKURTIC
 NORMALIZED KURTOSIS: 0.4545

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 0.9931
 VARIANCE= 0.6031

2.25	75.33	75.57	0.80
2.50	96.92	97.32	0.92
2.75	126.36	126.82	0.81
3.00	166.89	167.13	0.57
3.25	223.18	223.43	0.39
3.50	301.85	302.20	0.23
3.75	412.30	412.32	0.13
4.00	567.83	567.87	0.05

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 7.4700
 PERCENT WEIGHT ERROR: 23.2550
 WEIGHT ERROR >5%

04-01-2005
 SAMPLE NUMBER: K0059
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	-0.6656
PHI	16.0000%	=	0.6188
PHI	25.0000%	=	0.9734
PHI	50.0000%	=	2.0516
PHI	75.0000%	=	2.5965
PHI	84.0000%	=	2.8267
PHI	95.0000%	=	3.2897

NODE=	-1.0000	PHI	4.6854	CUM	WT%
NODE=	-0.5000	PHI	5.3548	CUM	WT%
NODE=	0.7500	PHI	20.2142	CUM	WT%
NODE=	2.0000	PHI	47.7912	CUM	WT%
NODE=	2.5000	PHI	70.8166	CUM	WT%

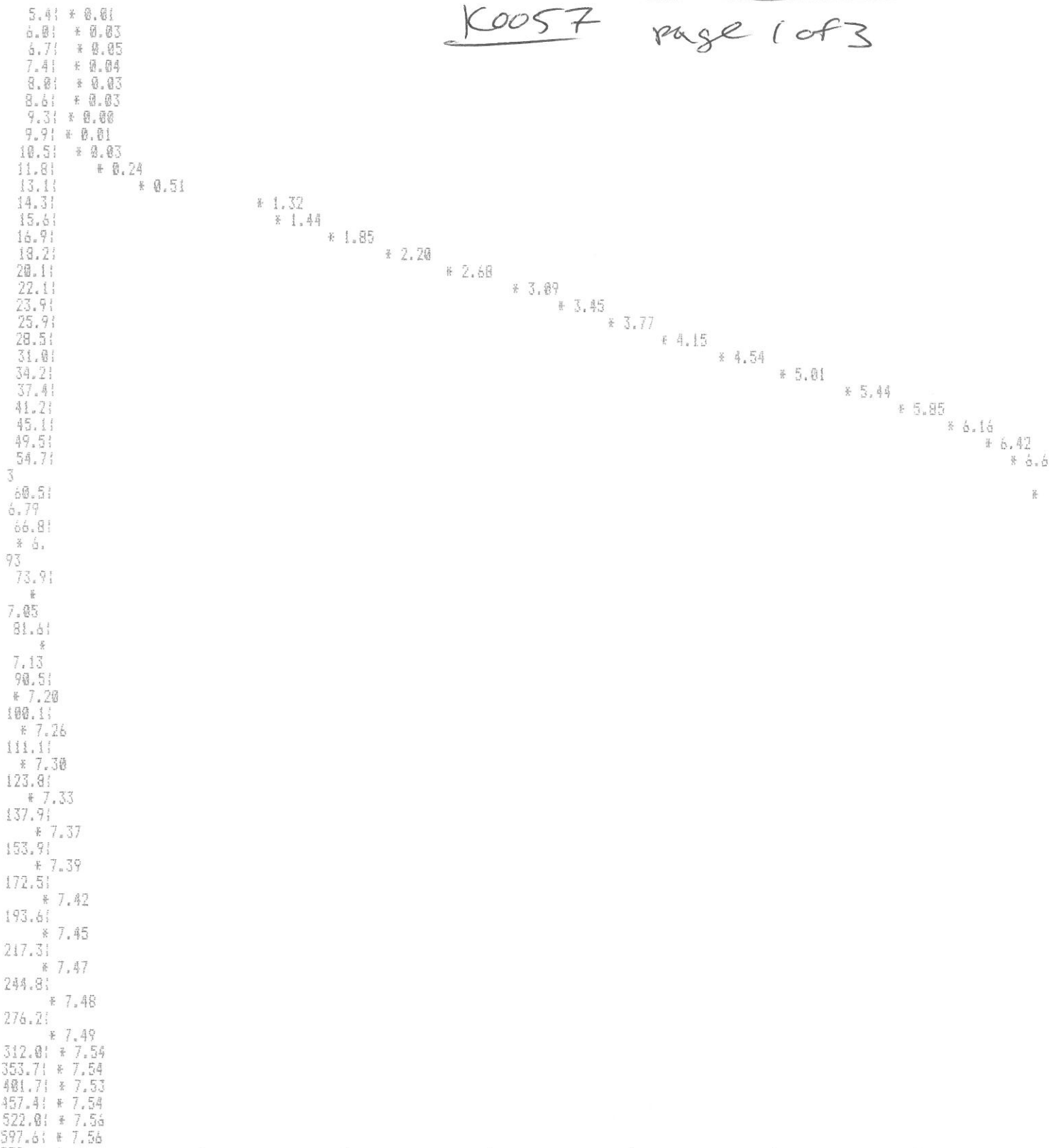
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 1.8324 : MEDIUM SAND
 INCL GRAPH STD DEV: 1.1512 : POORLY SORTED
 INCL GRAPH SKEWNESS: -0.3359 : STRONGLY COARSE SKEWED
 GRAPHIC KURTOSIS: 0.9988 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4997

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.9274

SKEWNESS= -0.8160
 STD DEVIATION= 1.1219
 KURTOSIS= 3.2683

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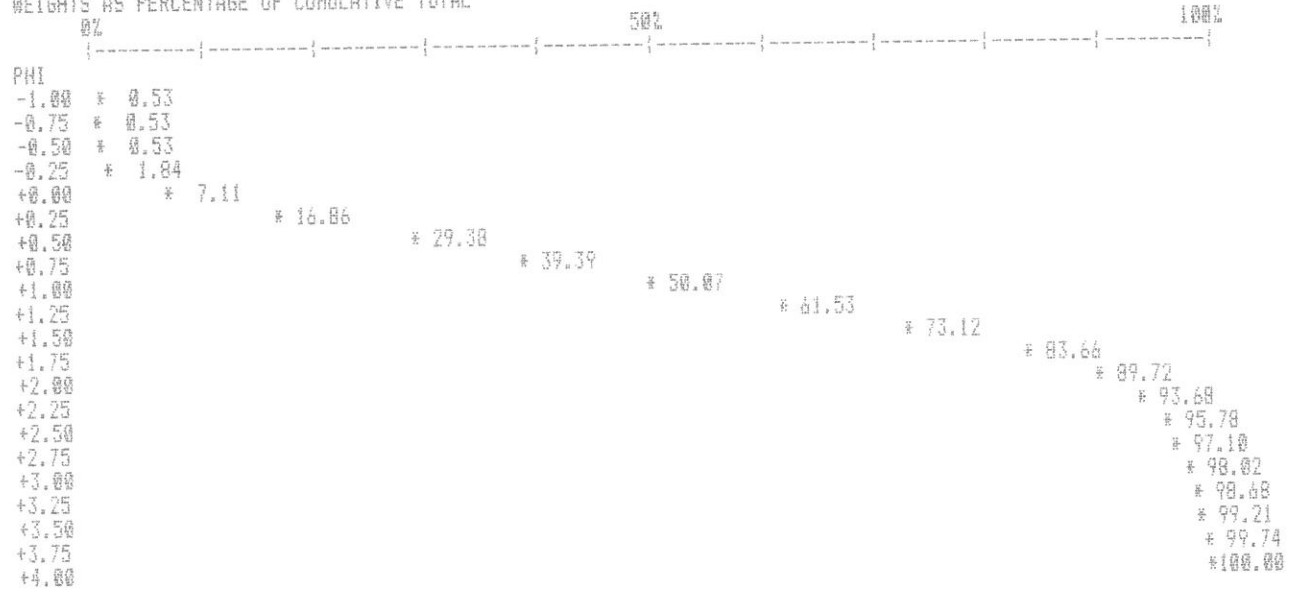


UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER
 04-01-2005
 SAMPLE NUMBER: K0057
 WATER TEMP.: 23
 PHI TIME INTERVAL
 EXPECT OBSERV WEIGHT: GRAMS
 -1.00 7.18 7.36 0.04
 -0.75 8.23 8.62 0.00
 -0.50 9.48 9.88 0.00
 -0.25 10.99 11.20 0.10
 0.00 12.82 13.07 0.40
 0.25 15.06 15.04 0.74

0.75	21.26	21.42	0.76
1.00	25.59	25.86	0.81
1.25	31.08	31.00	0.87
1.50	38.13	38.22	0.88
1.75	47.28	47.67	0.90
2.00	59.31	59.81	0.46
2.25	75.33	75.85	0.30
2.50	96.92	96.94	0.16
2.75	126.36	126.38	0.10
3.00	166.89	167.35	0.07
3.25	223.18	223.71	0.05
3.50	301.85	302.47	0.04
3.75	412.30	412.54	0.04
4.00	567.83	568.09	0.02

TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 7.5900
 PERCENT WEIGHT ERROR: 25.2350
 WEIGHT ERROR >5%

Q4-01-2005
 SAMPLE NUMBER: K0057
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	-0.1003
PHI	16.0000%	=	0.2278
PHI	25.0000%	=	0.4125
PHI	50.0000%	=	0.9985
PHI	75.0000%	=	1.5445
PHI	84.0000%	=	1.7639
PHI	95.0000%	=	2.4070
MODE=	-1.0000 PHI		0.5270 CUM WT%
MODE=	0.5000 PHI		29.3808 CUM WT%
MODE=	1.5000 PHI		73.1225 CUM WT%
MODE=	3.7500 PHI		99.7365 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 0.9967 : COARSE SAND
 INCL GRAPH STD DEV: 0.7639 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: 0.0601 : NEAR SYMMETRICAL
 GRAPHIC KURTOSIS: 0.9077 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4758

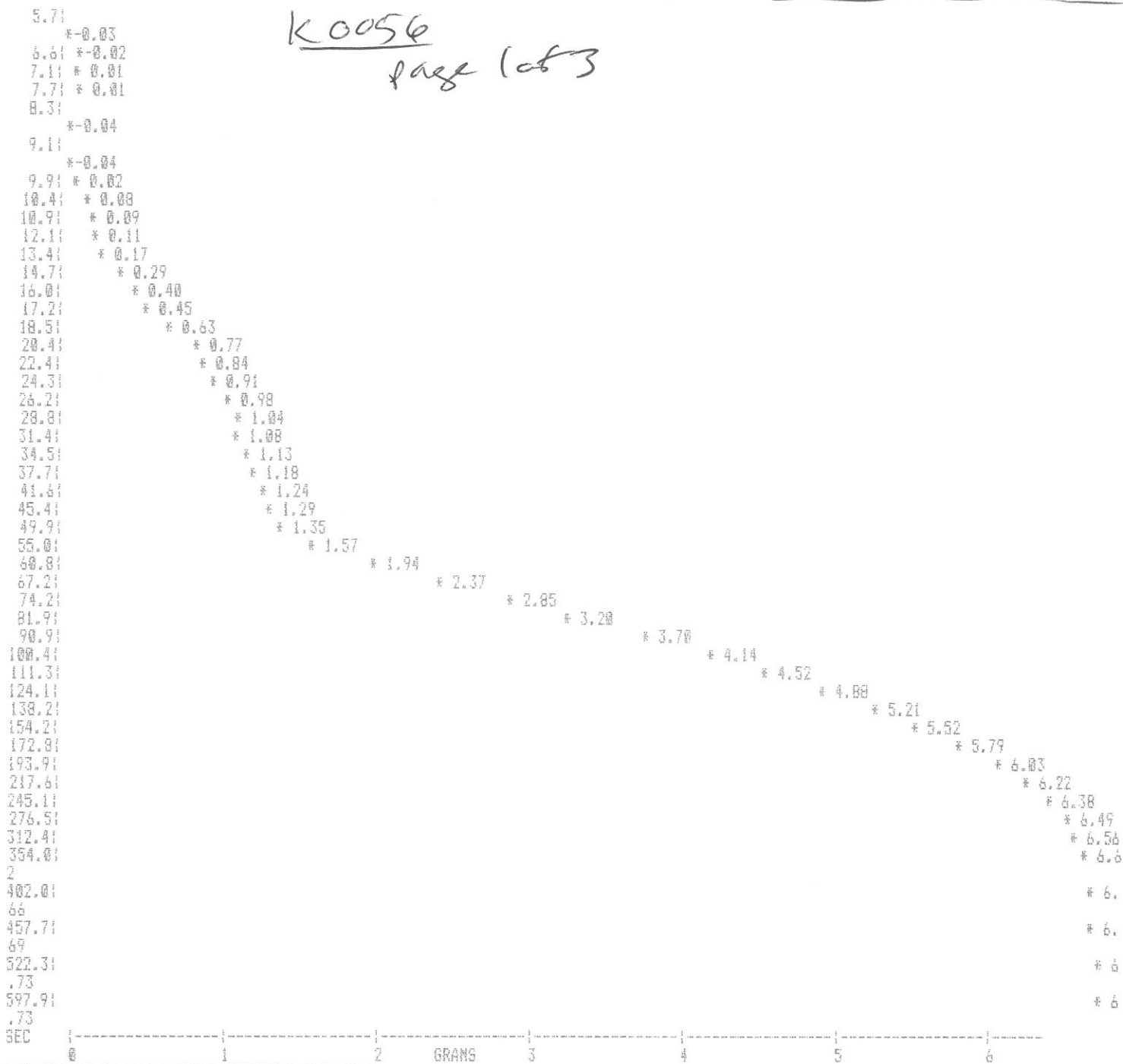
FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.1588
 VARIANCE= 0.6339

STD DEVIATION=
KURTOSIS=

0.7982
3.5029

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K0056
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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0056

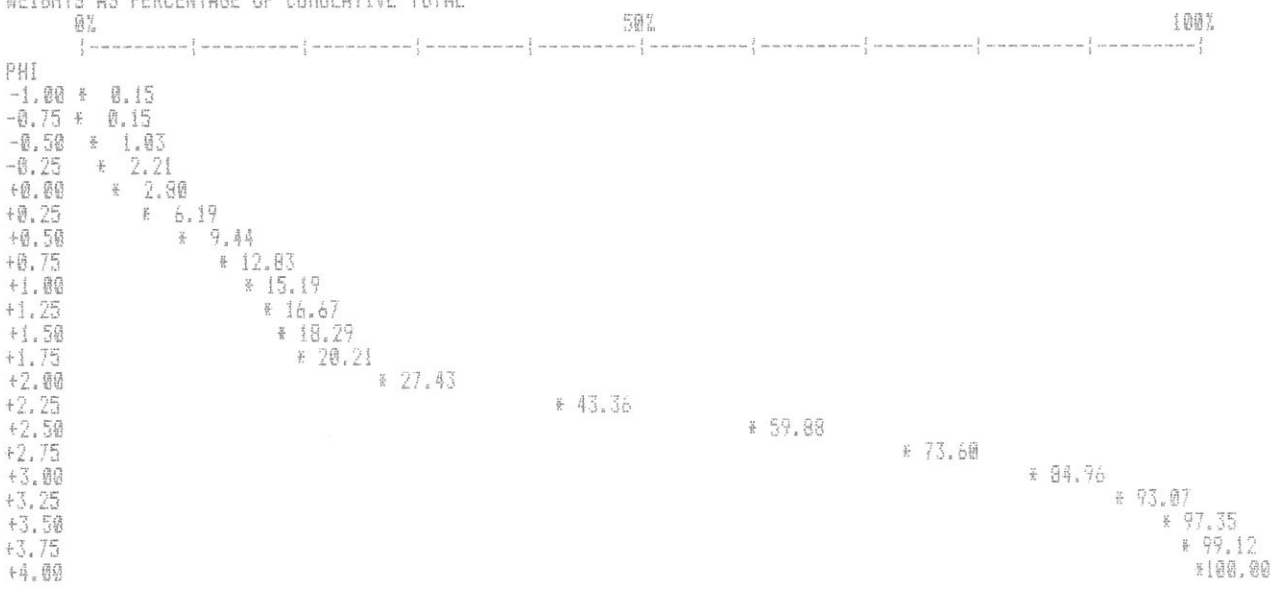
WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.68	0.01
-0.75	8.23	8.29	0.00
-0.50	9.48	9.94	0.06
-0.25	10.99	11.53	0.00
0.00	12.82	12.79	0.04
0.25	15.06	15.37	0.23
0.50	17.62	17.90	0.22
0.75	21.26	21.75	0.23
1.00	25.59	26.19	0.16
1.25	31.00	31.36	0.10
1.50	38.13	38.44	0.11
1.75	47.28	47.34	0.13
2.00	59.31	59.48	0.49
2.25	75.33	75.52	1.00
2.50	96.92	97.27	1.12
2.75	126.36	126.71	0.93
3.00	166.89	167.02	0.77
3.25	223.18	223.38	0.55

3.75	412.30	412.87	0.12
4.00	567.83	567.81	0.06
TOTAL IMMERSED WEIGHT: 6.060606			
CUM. TOT. WEIGHT: 6.7800			
PERCENT WEIGHT ERROR: 11.8700			
WEIGHT ERROR >5%			

K0056 page 2 of 3

04-01-2005
 SAMPLE NUMBER: K0056
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	0.1620
PHI	16.0000%	=	1.1370
PHI	25.0000%	=	1.9158
PHI	50.0000%	=	2.3504
PHI	75.0000%	=	2.7808
PHI	84.0000%	=	2.9790
PHI	95.0000%	=	3.3629
MODE=	-1.0000 PHI		0.1475 CUM WT%
MODE=	-0.2500 PHI		2.2124 CUM WT%
MODE=	0.2500 PHI		6.1947 CUM WT%
MODE=	0.7500 PHI		12.8319 CUM WT%
MODE=	2.5000 PHI		59.8820 CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN:	2.1535	:	FINE SAND
INCL GRAPH STD DEV:	0.9455	:	MODERATELY SORTED
INCL GRAPH SKEWNESS:	-0.3425	:	STRONGLY COARSE SKEWED
GRAPHIC KURTOSIS:	1.5166	:	VERY LEFTOKURTIC
NORMALIZED KURTOSIS:	0.6826		

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X=	2.2902
---------	--------

3.75 412.30 412.71 0.04
 4.00 567.83 568.25 0.00
 TOTAL IMMERSED WEIGHT: 6.060606
 CUM. TOT. WEIGHT: 7.8300
 PERCENT WEIGHT ERROR: 29.1950
 WEIGHT ERROR >5%

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04-01-2005
 SAMPLE NUMBER: K0058
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI 5.0000% = -0.2171
 PHI 16.0000% = -0.0018
 PHI 25.0000% = 0.4575
 PHI 50.0000% = 1.0895
 PHI 75.0000% = 1.4449
 PHI 84.0000% = 1.6227
 PHI 95.0000% = 2.0985
 NODE= -1.0000 PHI 0.3831 CUM WT%
 NODE= 0.0000 PHI 16.0920 CUM WT%
 NODE= 0.5000 PHI 26.5645 CUM WT%
 NODE= 1.2500 PHI 61.5581 CUM WT%
 NODE= 3.7500 PHI 100.0000 CUM WT%

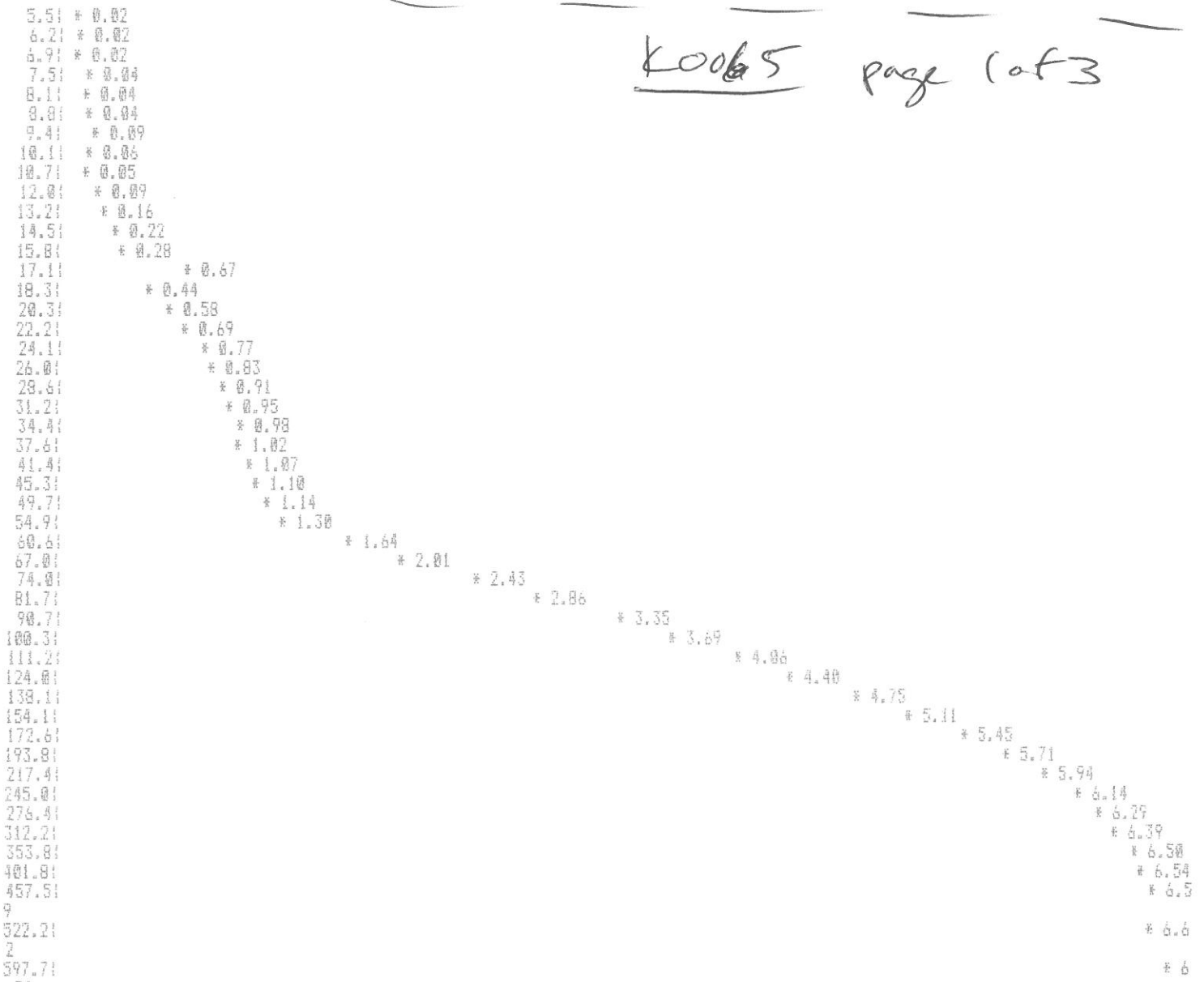
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 0.9035 : COARSE SAND
 INCL GRAPH STD DEV: 0.7570 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.2361 : COARSE SKEWED
 GRAPHIC KURTOSIS: 0.9611 : MESOKURTIC
 NORMALIZED KURTOSIS: 0.4901

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 1.1073

SKEWNESS= 0.0131
 STD DEVIATION= 0.7326
 KURTOSIS= 3.3025

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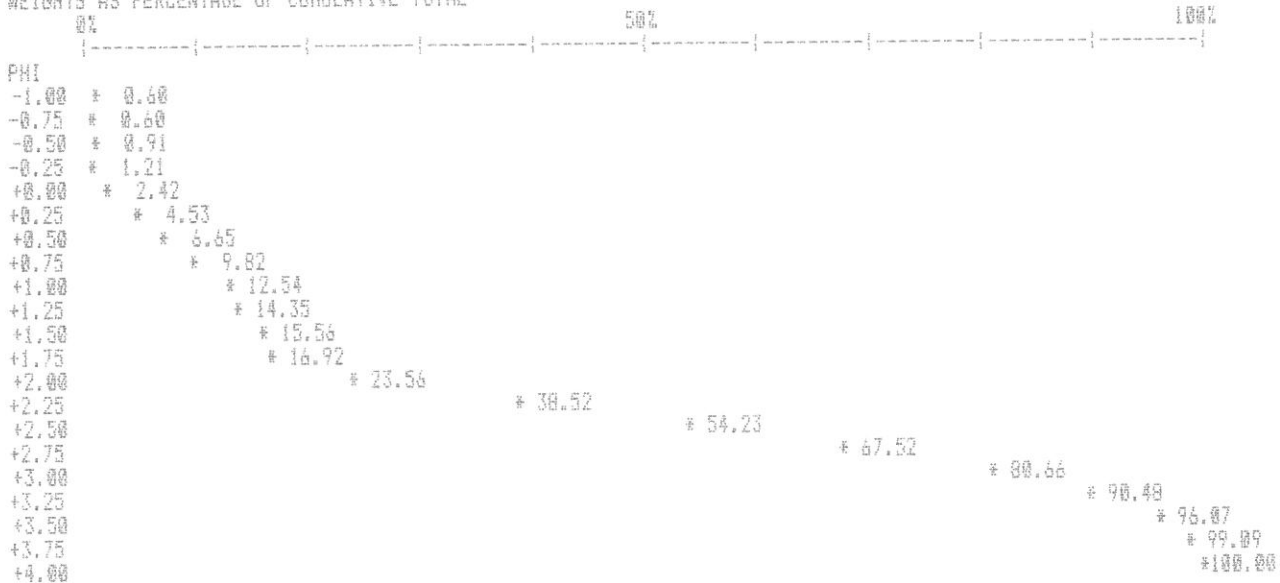
UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005
 SAMPLE NUMBER: K0065
 WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.52	0.04
-0.75	8.23	8.78	0.00
-0.50	9.48	10.05	0.02
-0.25	10.99	11.31	0.02
0.00	12.82	13.23	0.00
0.25	15.06	15.21	0.14
0.50	17.82	18.34	0.14
0.75	21.26	21.53	0.21
1.00	25.59	26.03	0.18
1.25	31.00	31.19	0.12
1.50	38.13	38.22	0.08
1.75	47.28	47.84	0.09
2.00	59.31	59.31	0.44
2.25	75.33	75.96	0.99
2.50	96.92	97.10	1.04
2.75	126.36	126.54	0.00
3.00	166.89	167.52	0.87
3.25	223.18	223.21	0.65
3.50	301.85	301.96	0.37
3.75	412.30	412.71	0.20
4.00	567.83	568.25	0.06

TOTAL IMMERSED WEIGHT: 6.060606

04-01-2005
 SAMPLE NUMBER: K0065
 CUMULATIVE CURVE OF DATA
 WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	0.3054
PHI	15.0000%	=	1.5011
PHI	25.0000%	=	2.0240
PHI	50.0000%	=	2.4327
PHI	75.0000%	=	2.8922
PHI	84.0000%	=	3.0849
PHI	95.0000%	=	3.4520
MODE=	-1.0000 PHI		0.6042 CUM WT%
MODE=	-0.5000 PHI		0.9063 CUM WT%
MODE=	0.2500 PHI		4.5317 CUM WT%
MODE=	0.7500 PHI		9.8187 CUM WT%
MODE=	2.5000 PHI		54.2296 CUM WT%

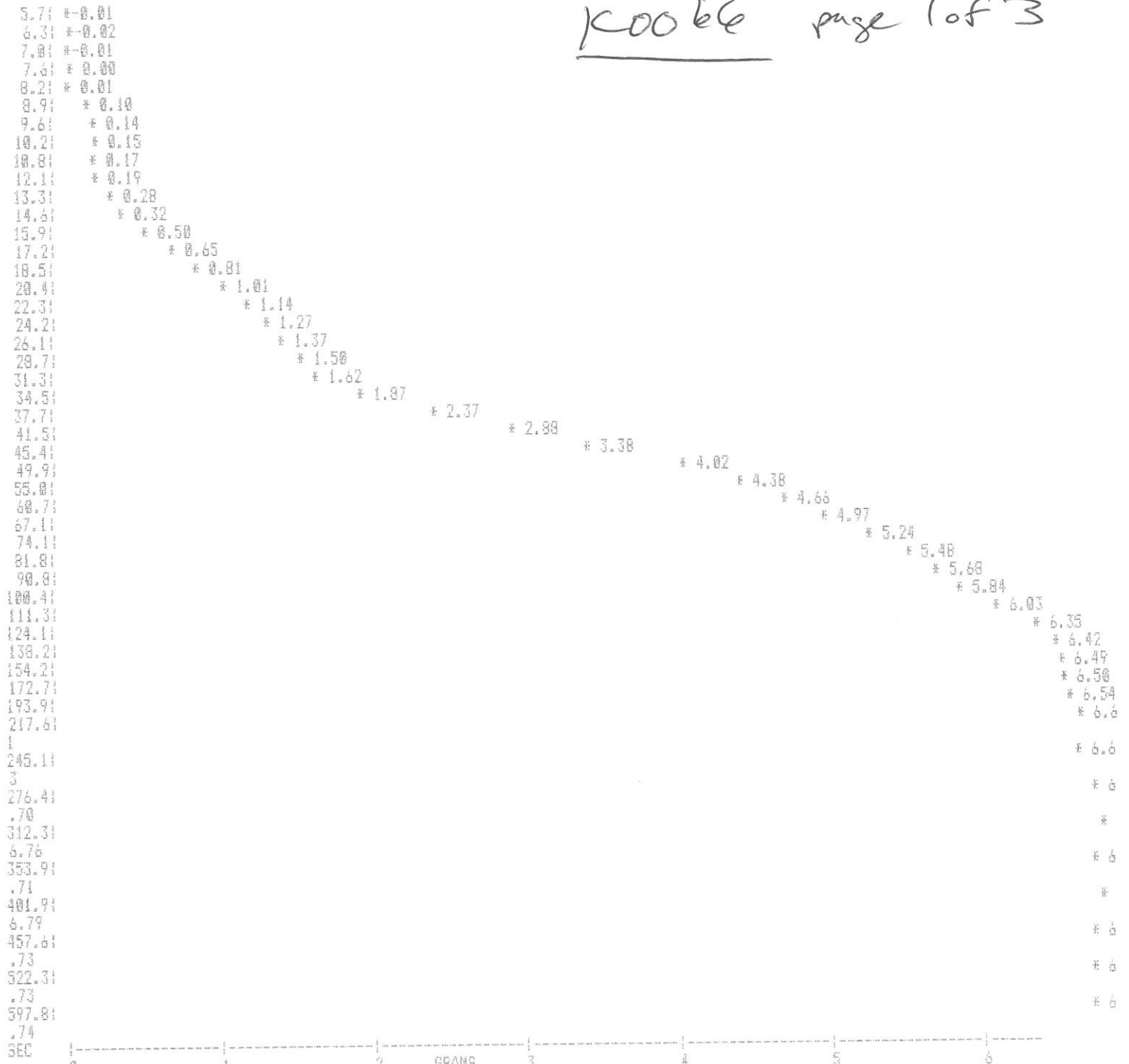
FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:
 GRAPHIC MEAN: 2.3662 : FINE SAND
 INCL GRAPH STD DEV: 0.8527 : MODERATELY SORTED
 INCL GRAPH SKEWNESS: -0.2423 : COARSE SKEWED
 GRAPHIC KURTOSIS: 1.4853 : LEPTOKURTIC
 NORMALIZED KURTOSIS: 0.5976

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:
 MEAN X= 2.4074

SKEWNESS=-1.1721
 STD DEVIATION=0.9139
 KURTOSIS=4.3388

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UNIVERSITY OF MAINE RAPID SEDIMENT ANALYZER

04-01-2005

SAMPLE NUMBER: K0066

WATER TEMP.: 23

PHI	TIME EXPECT	TIME OBSERV	INTERVAL WEIGHT: GRAMS
-1.00	7.18	7.63	0.00
-0.75	8.23	8.23	0.01
-0.50	9.48	9.55	0.13
-0.25	10.99	11.47	0.04
0.00	12.82	13.34	0.10
0.25	15.06	15.26	0.13
0.50	17.82	17.85	0.32
0.75	21.26	21.69	0.37
1.00	25.59	26.14	0.27
1.25	31.08	31.25	0.25
1.50	38.13	38.39	0.83
1.75	47.28	47.29	1.21
2.00	59.31	59.42	0.94
2.25	75.33	75.46	0.68
2.50	96.92	97.21	0.53
2.75	126.36	126.65	0.55

3.25	223.18	223.32	0.13
3.50	301.85	302.09	0.13
3.75	412.30	412.82	0.03
4.00	567.83	568.36	0.00

TOTAL IMMERSED WEIGHT: 6.060000
 CUM. TOT. WEIGHT: 6.7700
 PERCENT WEIGHT ERROR: 11.7050
 WEIGHT ERROR 15%

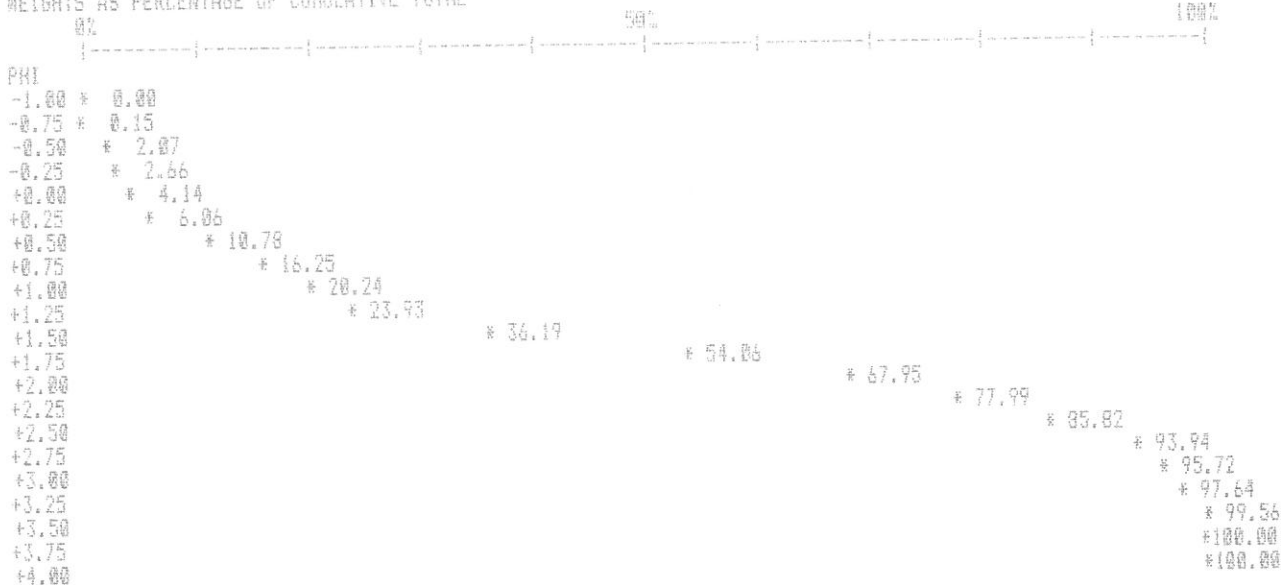
K0066 page 2 of 3

04-01-2005

SAMPLE NUMBER: K0066

CUMULATIVE CURVE OF DATA

WEIGHTS AS PERCENTAGE OF CUMULATIVE TOTAL



PHI	5.0000%	=	0.1125
PHI	16.0000%	=	0.7386
PHI	25.0000%	=	1.2718
PHI	50.0000%	=	1.6932
PHI	75.0000%	=	2.1756
PHI	84.0000%	=	2.4419
PHI	95.0000%	=	2.8990

NODE=	-0.5000	PHI	2.0679	CUM WT%
NODE=	0.7500	PHI	16.2482	CUM WT%
NODE=	1.7500	PHI	54.0620	CUM WT%
NODE=	2.7500	PHI	93.9439	CUM WT%
NODE=	3.2500	PHI	97.6366	CUM WT%

FOLLOWING ARE THE FOLK-WARD STATISTICAL PARAMETERS:

GRAPHIC MEAN:	1.6246	:	MEDIUM SAND
INCL. GRAPH STD DEV:	0.8480	:	MODERATELY SORTED
INCL. GRAPH SKEWNESS:	-0.1277	:	COARSE SKEWED
GRAPHIC KURTOSIS:	1.2637	:	LEPTOKURTIC
NORMALIZED KURTOSIS:	0.5382	:	

FOLLOWING ARE PARAMETERS BY THE METHOD OF MOMENTS:

MEAN X=	1.7622
---------	--------

SKEWNESS= -0.4543
STD DEVIATION= 0.8323
KURTOSIS= 3.2970

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Appendix D:

Metadata Sheets

GIS Sediment Location Mapping

<u>OBJECTID</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Comments</u>	<u>Sediment Type</u>	<u>Color</u>	<u>Sand Classification</u>
K0001-SA	43 20.15	70 28.31	3 repeats	muddy sand	dark gray	fine, mod. well sorted
K0001-SB	43 20.15	70 28.31		muddy sand	olive gray	fine, mod. well sorted
K0001-SC	43 20.15	70 28.31		sandy mud	dark gray	fine, mod. sorted
K0002-SA	43 20.02	70 29.60	3 repeats	gravelly muddy sand	dark gray	fine, poorly sorted
K0002-SB	43 20.02	70 29.60		gravelly sand	dark gray	fine, poorly sorted
K0002-SC	43 20.02	70 29.60		muddy sand	olive gray	fine, poorly sorted
K0003-SA	43 20.24	70 29.80	3 repeats	muddy sand	dark gray	v. fine, mod. well sorted
K0003-SB	43 20.24	70 29.80		muddy sand	dark gray	v. fine, mod. sorted
K0003-SC	43 20.24	70 29.80		muddy sand	olive gray	medium, poorly sorted
K0004-SA	43 20.31	70 30.42	3 repeats	muddy sand	olive gray	fine, poorly sorted
K0004-SB	43 20.31	70 30.42		muddy sand	dark gray	fine, mod. well sorted
K0004-SC	43 20.31	70 30.42		sand	dark gray	medium, poorly sorted
K0005-SA	43 19.75	70 31.42	3 repeats	muddy sand	dark olive gray	fine, mod. sorted
K0005-SB	43 19.75	70 31.42		muddy sand	olive gray	fine, mod. Well sorted
K0005-SC	43 19.75	70 31.42		muddy sand	dark gray	fine, mod. Well sorted
K0006-SA	43 19.87	70 32.04	3 repeats	sand	dark gray	fine, mod. Well sorted
K0006-SB	43 19.87	70 32.04		sand	dark gray	fine, well sorted
K0006-SC	43 19.87	70 32.04		muddy sand	olive gray	fine, well sorted
K0007-SA	43 18.98	70 32.88	3 repeats	muddy sand	olive gray	fine, mod. sorted
K0007-SB	43 18.98	70 32.88		sand	gray	fine, well sorted
K0007-SC	43 18.98	70 32.88		sand	olive gray	fine, well sorted
K0008-SA	43 18.69	70 33.11	3 repeats	sand	olive gray	fine, mod. Well sorted
K0008-SB	43 18.69	70 33.11		muddy sand	gray	fine, mod. well sorted
K0008-SC	43 18.69	70 33.11		muddy sand	olive gray	fine, mod. well sorted
K0009	43 19.63	70 27.55		muddy gravel	mixed gravel/shells	N/A
K0010	43 18.64	70 23.54		muddy sandy gravel	olive gray	medium, mod. Well sorted
K0011	43 17.095	70 16.730		muddy gravel	dark grayish brown	medium, poorly sorted
K0012	43 19.45	70 18.50	BR	N/A	N/A	N/A
K0013	43 19.86	70 18.903	BR	N/A	N/A	N/A
K0014	43 20.436	70 18.777		sandy gravel	olive gray	coarse, well sorted
K0015	43 19.497	70 19.911		muddy sand	olive gray	fine, mod. well sorted
K0016	43 18.461	70 21.045		muddy sand	olive gray	fine, mod. well sorted
K0017	43 18.911	70 22.863		muddy gravel	gravel	N/A

K0018	43 17.31	70 24.372	BR	N/A	N/A	N/A	N/A
K0019	43 17.26	70 24.91	BR	N/A	N/A	N/A	N/A
K0020	43 19.112	70 28.959		muddy sand	dark olive gray	medium, mod. Sorted	
K0021	43 18.71	70 29.27		sandy mud	dark gray	fine, mod. sorted	
K0022	43 19.63	70 29.01	BR	N/A	N/A	N/A	N/A
K0023-A	43 20.132	70 29.16		muddy sand	olive gray	v. fine, mod. well sorted	
K0023-B	43 20.132	70 29.16		muddy sandy gravel	dark gray	coarse, mod. Sorted	
K0024	43 19.070	70 24.345	BR	N/A	N/A	N/A	N/A
K0025	43 18.956	70 24.099		muddy sand	olive	medium, mod. Sorted	
K0026	43 19.267	70 23.337		gravelly muddy sand	olive	medium, mod. sorted	
K0027	43 18.489	70 23.319	BR	N/A	N/A	N/A	N/A
K0028	43 18.212	70 22.852	BR	N/A	N/A	N/A	N/A
K0029	43 17.701	70 23.367	BR	N/A	N/A	N/A	N/A
K0030	43 17.631	70 23.314		muddy sand	olive gray	medium, mod. sorted	
K0031	43 17.338	70 23.107		muddy sand	olive	fine, mod. well sorted	
K0032	43 16.920	70 21.290		muddy sand	olive	fine, mod. sorted	
K0033	43 16.890	70 19.831		muddy sand	olive	medium, poorly sorted	
K0034	43 16.890	70 18.836		sandy mud	olive	fine, mod. sorted	
K0035	43 17.722	70 20.77		muddy sand	olive	fine, poorly sorted	
K0036	43 17.72	70 19.35		gravel	gravel	N/A	
K0037	43 18.40	70 18.89		muddy sandy gravel	olive	coarse, mod. sorted	
K0038	43 17.37	70 16.29		muddy gravel	olive	medium, poorly sorted	
K0039	43 18.79	70 15.46		sandy mud	olive	fine, poorly sorted	
K0040	43 20.02	70 15.30		gravelly muddy sand	olive	medium, mod. Sorted	
K0041	43 20.57	70 13.95		muddy sand	olive	fine, mod. sorted	
K0042	43 21.18	70 16.12	BR	N/A	N/A	N/A	N/A
K0043	43 21.55	70 17.55	BR	N/A	N/A	N/A	N/A
K0044	43 17.25	70 26.02	BR	N/A	N/A	N/A	N/A
K0045	43 17.18	70 27.25		muddy sand	olive	medium, mod. Well sorted	
K0046	43 16.92	70 29.50		gravel	gravel	N/A	
K0047	43 18.66	70 30.28		muddy sand	olive gray	v. fine, mod. well sorted	
K0048	43 20.09	70 27.74		muddy sand	olive gray	fine, mod. well sorted	
K0049	43 19.94	70 28.07		muddy sand	olive gray	fine, mod. sorted	
K0050	43 18.94	70 29.61		sandy mud	olive gray	fine, mod. well sorted	

K0051	43 17.80	70 29.40	BR	N/A	N/A	N/A	N/A
K0052	43 17.96	70 28.71		sandy gravel	dark gray	coarse, very well sorted	
K0053	43 17.43	70 28.29	BR	N/A	N/A	N/A	N/A
K0054	43 18.51	70 28.05	BR	N/A	N/A	N/A	N/A
K0055	43 19.67	70 26.47	BR	N/A	N/A	N/A	N/A
K0056	43 19.36	70 21.52		muddy sand	olive	fine, mod. sorted	
K0057	43 19.866	70 21.308		gravelly muddy sand	olive	coarse, mod. Sorted	
K0058	43 20.343	70 20.987		muddy sandy gravel	dark gray	coarse, mod. Sorted	
K0059	43 18.89	70 21.00		muddy sand	olive	medium, poorly sorted	
K0060	43 18.834	70 20.610		muddy sand	olive gray	fine, mod. sorted	
K0061	43 19.44	70 20.33		muddy sand	olive	medium, poorly sorted	
K0062	43 19.86	70 20.232		gravelly muddy sand	olive	coarse, mod. Sorted	
K0063	43 19.877	70 18.390		muddy sand	olive	medium, mod. Well sorted	
K0064	43 19.38	70 18.78		muddy sandy gravel	olive	fine, mod. well sorted	
K0065	43 18.94	70 19.30		muddy sand	olive	fine, mod. sorted	
K0066	43 18.71	70 18.01		gravelly muddy sand	olive	medium, mod. sorted	
K0067	43 18.32	70 18.73		muddy sand	olive	medium, mod. Sorted	