KING POINT COASTAL ZONE SEDIMENT TRANSPORT STUDY

Phase 2: Field Data Reduction and Preliminary Interpretation

by

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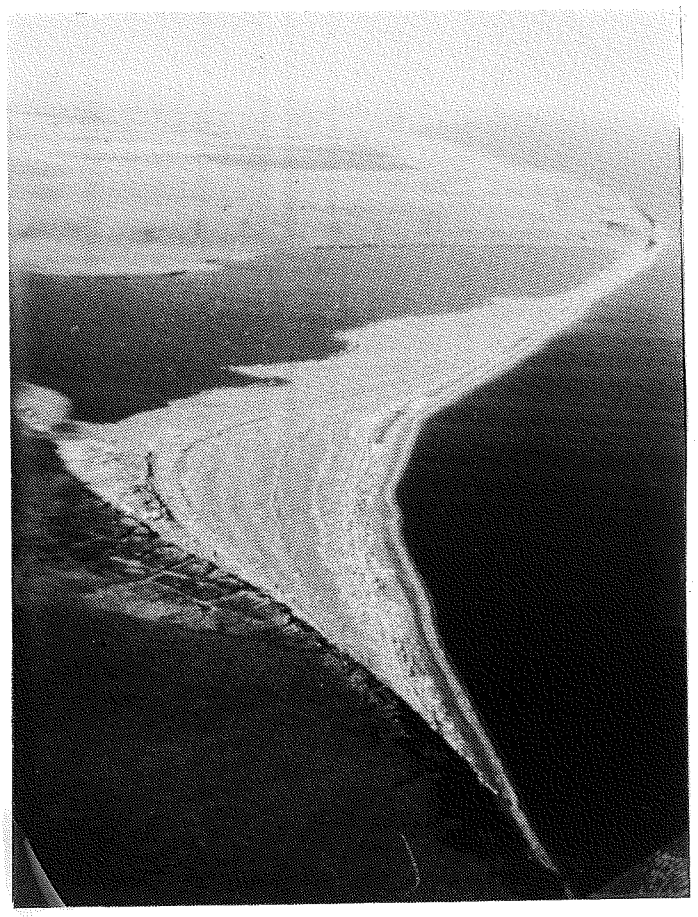
Dobrocky Seatech Ltd.

(Edited by R. B. Taylor)



GEOLOGICAL SURVEY OF CANADA
Commission géologique du Canada

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2388

Our Reference No. (1-1067)
Your Reference No. (14SC.23420-5-M916)
Contract No. (0SC85-00679)

March 15, 1986

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January, 1991.

Project Funding: Northern Oil and Gas Action Program (NOGAP), Project D.1.

PREFACE

This report was written in March 1986 but was never finished because of the collapse and demise of Dobrocky SeaTech Ltd. The report was the second of two reports summarizing the 1985 coastal field study at King Point, Yukon Territory. The first report (Gillie, 1985a) summarized the field operations, which included a description of equipment, methods used and lists of field data collected including the daily Littoral Environmental Observations (LEO). This second report which was originally entitled "Continuation of King Point Coastal Zone Sediment Transport Study, Reduction and Preliminary Interpretation" describes how the field data was analysed. Plots and tables of the analysed field data are presented in the appendices. Preliminary interpretations are presented with respect to data quality and some of the more significant aspects of the data. The title of the original report was changed and the text was edited in 1990 to reduce duplication with the earlier field report (Gillie,1985a). Also, where necessary, diagrams and references have been inserted to clarify the data presented. It should be noted that much of the data included in this report has been evaluated and incorporated into other contract reports and scientific papers (Morgan, 1986; Pinchin and Nairn, 1987; and Hill, 1990, Hill et al. 1990). The value in releasing this report is that it documents the field data and how it was analysed which is an invaluable reference if future surveys are undertaken at King Point. The editing and release of this report is part of a more general effort to release all of the scientific reports prepared under Project D.1, "Coastal Zone Geotechnics" which was part of the original Northern Oil and Gas Action Program (NOGAP) 1984-1988.

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SUMMARY

Field surveys at King Point, Yukon Territory in August-September 1985 produced a detailed plan map and cross-sectional profiles of the barrier beach and adjacent lagoon and nearshore waters. The barrier beach which extends to only 1.6 m above mean sea level, increases in width from 50 m in the northwest to 215 m at the southeast end. The shoreface profiles also varied along the barrier from a steep concave slope at the northwest end to a shoreface with a distinct break in slope at a depth of 3 m at the distal end of the barrier. Water depths varied from 3-3.6 m within the central portion of the lagoon.

Sediment samples were collected at the berm, mid-swash and at 20 m and 50 m offshore along the 17 range lines surveyed across the King Point barrier. The barrier beach consists of a coarse sand and gravel with a mean grain size of -0.2 to -4.5 phi. Mud contents increased offshore, particularly toward the southeast end of the barrier. An analysis of sediment characteristics by GeoSea Consulting suggested that sediment transport trends were southeast at mid-swash and northwest along the nearshore zone.

The establishment of an Aanderaa weather station,and deployment of five current meters and two Sea Data directional wave/current meters was accomplished but the success of the oceanographic monitoring program was poor because of mooring problems and instrument failures. Moreover, the analysis of the current and wave records and visual observations of waves during the program showed that the oceanographic instruments were deployed seaward of the 'normal' wave breaking zone. Therefore very little of the oceanographic data could be used to calibrate numerical models of sediment transport as was originally planned. Nevertheless, a moderate storm event with onshore winds was monitored on 3-5 September and another storm was observed after the instruments were recovered on 15, 16 September. Unfortunately, repetitive surveys across the barrier beach were not completed during these storm events so little quantitative information was obtained on beach response. Sixteen suspended sediment samples were successfully collected on four occasions at the Sea Data 621 current meter. The sediment concentrations varied from less than 0.003 to 0.13 g/L.

This first attempt at monitoring directional wave measurements in the nearshore, although not completely successful, provided some invaluable lessons on how to conduct future coastal monitoring programs. The survey data also provides an excellent reference data set for documenting future changes at the King Point barrier system.

TABLE OF CONTENTS

TABLE OF CONTENTS (continued)

LIST OF TABLES

LIST OF FIGURES

1.0 INTRODUCTION

This report describes the reduction and preliminary interpretation of field data collected as part of the King Point Coastal Zone Sediment Transport Study. King Point is located along the Yukon coast of the Beaufort Sea (Fig. 1.1, 1.2). The field work was conducted by Dobrocky Seatech Ltd. and Geological Survey of Canada personnel from 24 August to 16 September, 1985. A separate report has been prepared on the field operations which includes a description of the study tasks, equipment and methods used and an inventory of the data collected (Gillie, 1985a).

The study was funded by the Northern Oil and Gas Action Program (NOGAP), a research and planning program intended to anticipate research needs and management problems associated with Arctic hydrocarbon development. King Point has been proposed as a site for port development and information is required on the wind and wave climate, coastal geology and rates and directions of sediment transport. The data collected in this study have been used to provide input to coastal sediment transport model predictions for the King Point area (Pinchin and Nairn, 1987).

This report contains a brief review of the field data collected and the procedures used to analyse the data tapes, chart recordings, field samples and survey data. Preliminary interpretations are made of the data with respect to data quality and significant features of the data sets. The data sets are correlated, where possible to summarize and review significant sediment transport events.

2.0 FIELD PROGRAM AND DATA COLLECTION

The field report (Gillie, 1985a) provides a more detailed account of the data collection phase of the coastal program. The type of data collected and the timetable of data acquisition during the 24 day field program are summarized in Table 2.1. The field component consisted of essentially three main objectives. Firstly, to provide a detailed plan and cross-sectional map of the King Point coastal site; secondly, to define the surficial sediment characteristics of the barrier, lagoon and nearshore zones; and thirdly, to document the littoral processes, ie. near-bottom currents and waves, affecting this segment of coast. The oceanographic measurements were collected to verify hindcasted nearshore wave characteristics (Pinchin and Nairn, 1987) which would be used in the development of a sediment transport model for this part of the Beaufort Sea coast.

The plan map and cross-sectional surveys of King Point were accomplished by establishing a baseline along the length of the

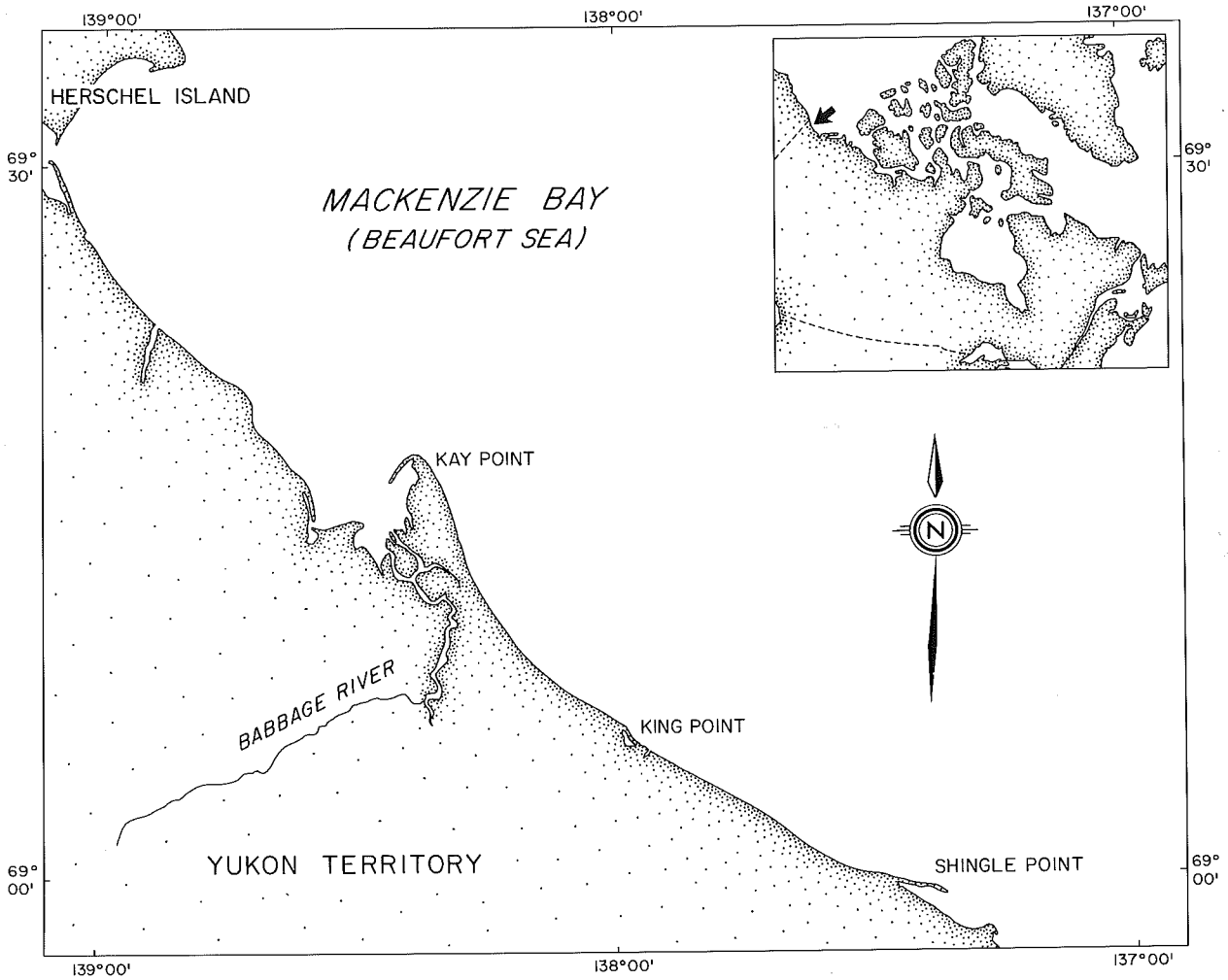

Figure 1.1. Location map of the study site, King Point, Yukon Territory.

Figure 1.2 Aerial view of the King Point coastal barrier looking toward the wider southeast end of the barrier (photo by D.L. Forbes, July 28, 1984).

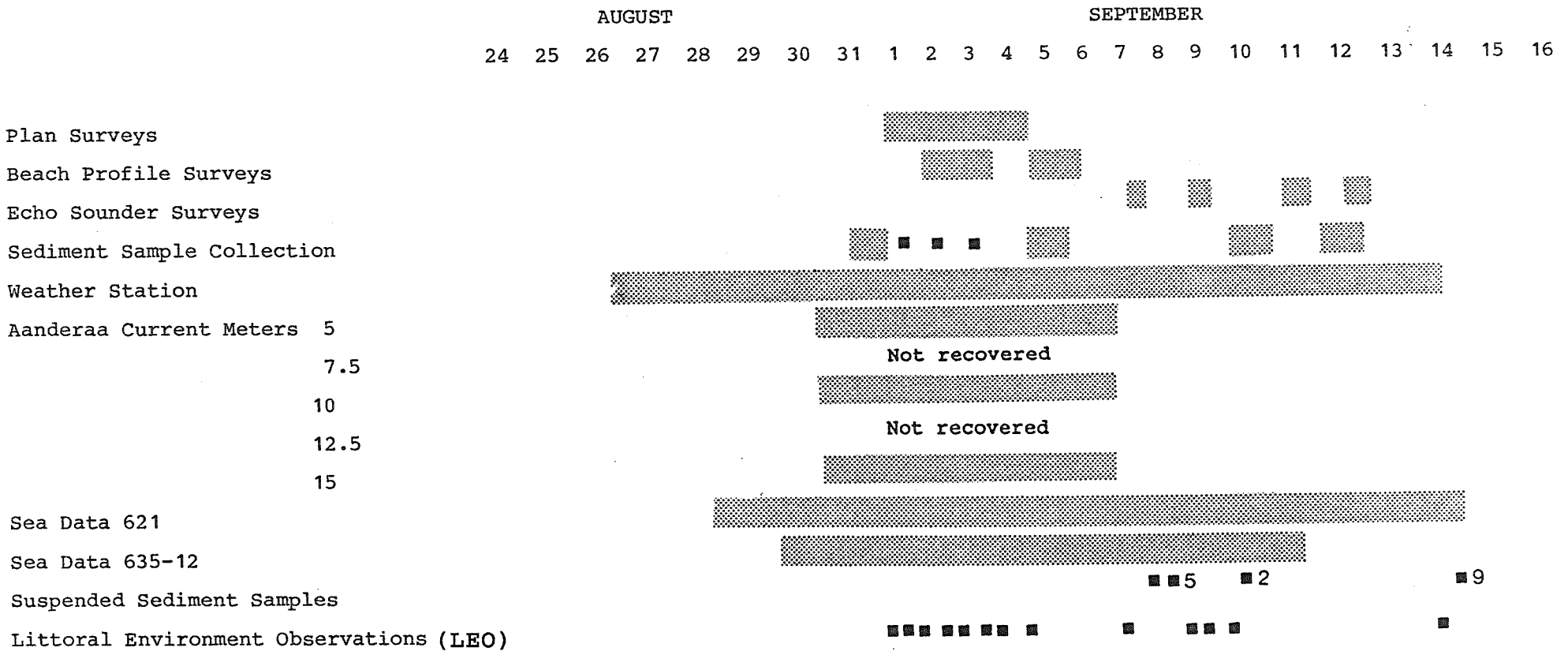

Table 2.1. Timetable of scientific data collection during the 1985 coastal field program at King Point, Yukon Territory.

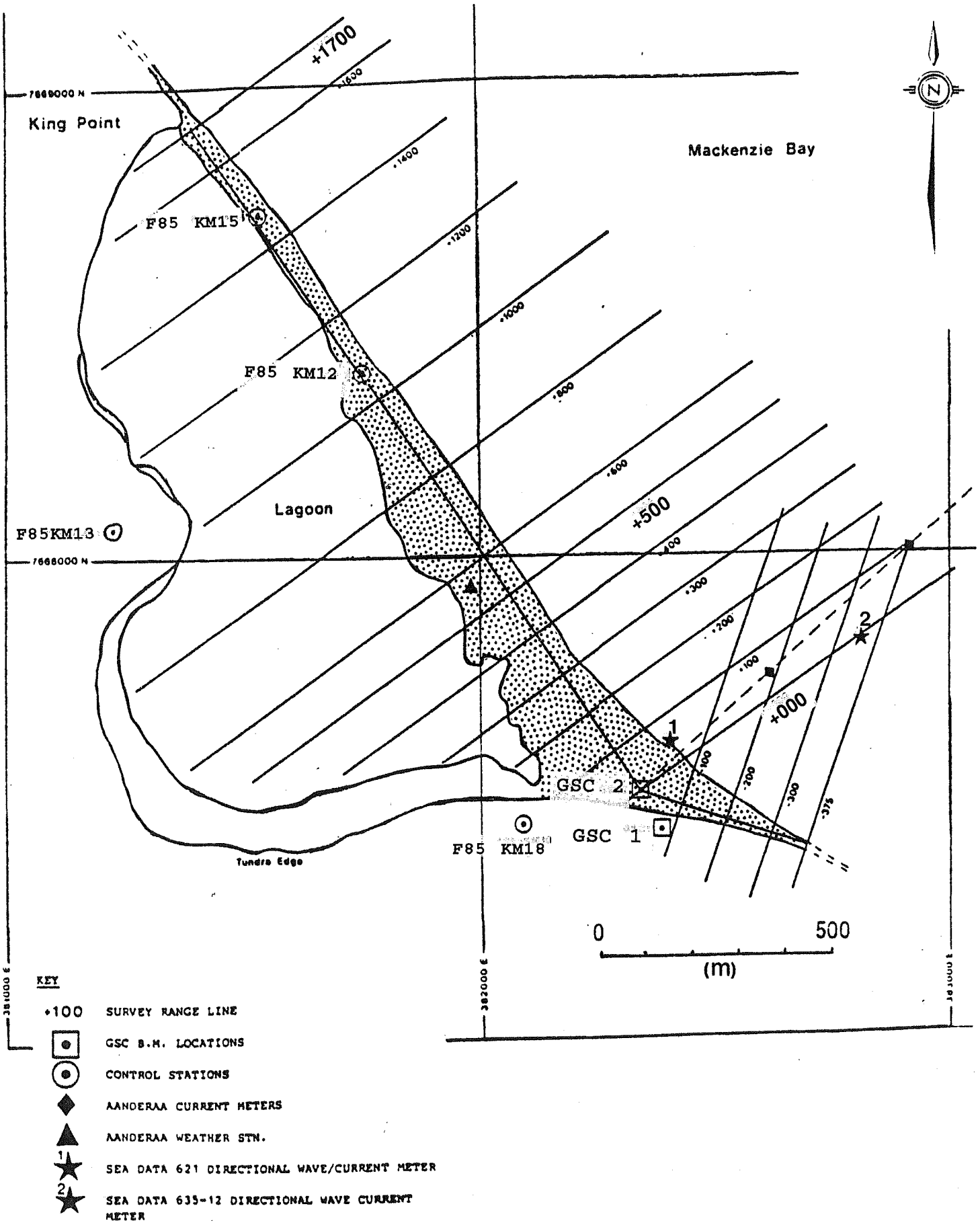

Figure 2.1 Location map of survey benchmarks, baseline and range lines used to compile the King Point site map.

barrier and 17 range lines or profiles at right angles to the baseline (Fig. 2.1). Horizontal control for the baseline survey was provided by establishing two new benchmarks (GSC1, GSC2, Fig. 2.1) and by using a series of control stations established at boreholes during a coring program in the spring of 1985 (O'Connor and Assoc. 1986).

Profiles across the King Point barrier were surveyed from the lagoon waterline to water depths of 1.0 to 1.5 m below sea level using a level, tape and survey rod. The lines were then extended across the lagoon and seaward of the barrier using echo-sounder equipment and a Zodiac pneumatic boat. The survey vessel was positioned using an electronic distance measurement (EDM) device.

Sediment samples were collected to define the particle size characteristics of the active beach and nearshore areas. Beach sediment samples were collected by hand at berm and mid-swash locations and nearshore samples were collected with a small pipe dredge at a distance of 20 m and 50 m from the beach on all 17 survey lines (Table 2.2). The beach samples were collected on September 5, the nearshore samples on September 10 and 12 and samples 6,7,8 (Appendix 2) were collected from the mid-swash slope on September 1-3 respectively as part of the LEO program. Sediment samples were also collected by divers at the Aanderaa current meter deployment sites on August 31 (Gillie, 1985a). A total of 76 sediment samples were collected.

A total of 16 suspended sediment samples were collected (Table 2.3, 3.6) using a well established pumping method. A gasoline powered pump was used to draw water through a 1.9 cm diameter hose attached to one of the tripod legs of the Sea Data 621 nearshore wave/current meters. Sample intake elevations of 20 and 50 cm above the seabed were used.

An Aanderaa weather station was deployed near the mid-point of the barrier (Fig. 2.2) to measure wind speed, wind direction and barometric pressure (Table 2.1). The anemometer cup was located at 10 m above the ground or 12 m above sea level. The directional sensor was oriented to magnetic north using a hand-held compass. Visual observations of wind direction were made at various times during the study period to confirm the data collected at the weather station. The weather data was to provide a benchmark for comparison with other nearby wind data sets.

Five Aanderaa current meters were supplied by the Bedford Institute of Oceanography (BIO) to measure near-bottom currents offshore of the study site. The current meters were deployed in a line extending offshore between water depths of 5 and 15 m (Fig. 2.2, Table 2.1). Two of the five current meter moorings were lost because of presumed mooring component defects. Of the three instruments recovered, one had not recorded any data because of a tape drive malfunction. Thus, data was only available for the

Table 2.2 Sediment samples (listed by field number) collected from across the beach and nearshore zones at King Point, Yukon Territory. The textural analyses of these samples are listed in Appendix 2.

Survey Range Line	Active Beach		Shoreface	
	Berm	Mid-Swash	20 m#	50 m#
(A)				
-375	11	10	50	71*
-300	13	12	51	72*
-200	15	14	52	73*
-100	17	16	53	74*
000	19	18	54	75*
+100	21	20	55	76*
+200	23	22	56	77*
+300	25	24	57	78*
+400	27	26	58	79*
+500	29	28	59	80*
+600	31	30	60	81*
+800	33	32	61	82
+1000	35	34	62	84*
+1200	37	36	63	85*
+1400	39	38	65	86*
+1600	41	40	66	87*
+1700	43	42	67	88*

(B) Sediment samples collected from the mid-swash limit during the littoral environmental observations (LEO)

Sample Number	Time (GMT)	Date
6	21:00	Sept. 1
7	21:00	Sept. 2
8	18:00	Sept. 3

* Indicates Sedigraph analysis of mud particle size distribution.
# Distance (metres) from the shoreline at the time of the survey.
The beach samples were collected by hand and the nearshore samples with a pipe dredge (Gillie, 1985a).

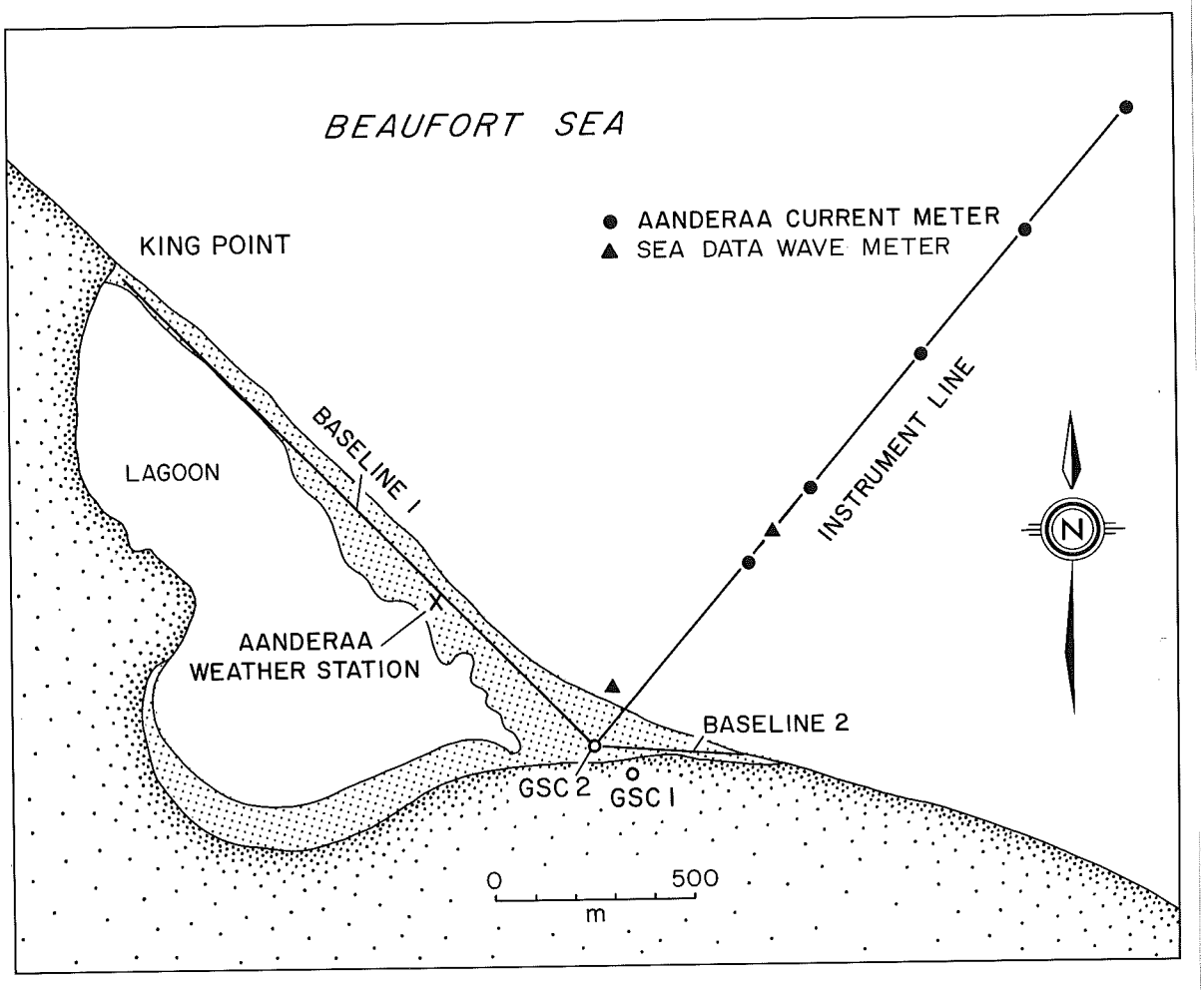

Figure 2.2 Location of weather station and oceanographic instruments established during the 1985 coastal field program at King Point.

two instruments at 5 m and 10 m water depths.

In order to record directional wave spectra and current velocities in the nearshore and offshore zones, two Sea data instruments were deployed during the field program (Gillie, 1985a). A Sea Data 621 directional wave/current meter was deployed approximately 20 m from shore in 2.7 m of water, and a Sea Data 635-12 directional wave/current meter was deployed an estimated 400 m offshore in 5.6 m of water.

3.0 DATA REDUCTION AND PRELIMINARY INTERPRETATIONS

This section of the report describes the data reduction procedures used to analyse the field data, presents the results of data reduction, and provides a preliminary interpretation of the data with respect to data quality and significance.

3.1 SITE MAP

Using field survey data, a site map was prepared of the King Point study area. The site map shows the location of survey control points, new benchmarks (GSC1,GSC2) established during the survey, the survey range lines, instrument locations and the lagoon shoreline (Fig. 2.1).

During the compilation of the site map the new benchmarks were plotted using field survey angles and the coordinates of boreholes provided by M.J. O'Connor and Assoc.(1986) (Table 3.1). This procedure was used despite the fact that a comparison of calculated angles between control stations with angles measured in the field indicated differences which were much greater than expected normal instrument errors. Possible causes of the differences included: incorrect field angle measurements, incorrect location of coring sites during the field survey or that incorrect northing and easting coordinates were provided for the control stations.

The shoreline at the landward side of the lagoon and tundra edge, were not surveyed in the field. They were obtained by enlarging a 1970 vertical air photo to the scale of the site map. The shoreline position of the barrier was determined using field distance measurements from the survey baseline.

3.2 BEACH/BATHYMETRIC PROFILES

Seventeen range lines were surveyed across the King Point barrier beach. The lines, which were spaced 100 to 200 m apart, extended

Table 3.1. Geographic coordinates for the Borehole sites (O'Connor and Assoc., 1986) and new benchmarks established for the site survey of King Point.

Coring Site	Northing	Easting
F85 - KM12	7668392	381750
F85 - KM13	7668057	381221
F85 - KM15	7668724	381530
F85 - KM18	7667441	382097

Angle	Calculated	Field Measurement	Difference
KM 15/13/12	32.798°	31.551°	1.247°
KM 12/13/18	67.460°	65.744°	1.716°
KM 15/13/18	100.258°	97.295°	2.963°

Computed B.M.	Northing	Easting
GSC # 1	7667429	382397
GSC # 2	7667504	382349

NOTE: The geographic positions for new BM's (GSC #1 and GSC #2) were computed using coring site coordinates provided by O'Connor and Assoc. (1986) and field measured angles to the new benchmarks.

at right angles to the survey baseline (Fig. 2.1). The beach lines were extended seaward to depths of 7 to 8 m below mean sea level (MSL) and landward across the lagoon to the tundra edge with the use of a boat and echo sounder (Gillie, 1985a).

3.2.1 Beach Profiles

Each of 17 range lines or beach profiles was only surveyed once but each line was comprised of several survey data sets which were completed at different times. The subaerial beach surveys consisted of an active beach portion and an inactive beach portion, which were tied together by a common distance and elevation survey point along each profile. In the office, the two data sets were first combined by referencing all distance and elevation data to the profile benchmark (B.M.) on the survey baseline. The profile B.M. was defined as 0.0 m and distances were designated as positive seaward and negative landward. For the purpose of simplified data reduction at this stage, all ground surface elevations were defined as 3.0 m at the location of the profile B.M.

The distance and elevation data points for each profile line were first reduced by hand on data sheets and then keyed into a DEC PDP11/34A computer. Correct data entry was verified by a visual check of a computer printout of the data. Next, corrections for relative height differences of survey line benchmarks and the height of the ground surface with respect to mean sea level were applied as indicated in Table 3.2. This included the correction for ground surface elevation which had initially been defined at 3.0 m. The corrections in column five of Table 3.2 were made to each computer profile to yield a distance and elevation data set referenced to mean sea level (Appendix 1).

3.2.2 Bathymetric Profiles

Bathymetric data consisted of graphic recordings from a Raytheon DE-719B echo-sounder (Gillie, 1985a) with distance fix marks referenced to the survey baseline. Depths along the graphic recordings were digitized at a 10 m distance interval, except where depths changed abruptly,and a 2 or 5 m distance interval was utilized. The depths were digitized to a 0.1 m resolution. Surface wave effects were smoothed out when required. An attempt was made to use a 0.05 m depth resolution but this could not be achieved because of surface wave affects on the echo-sounder record.

All digitized bathymetric data were recorded on tables of distance and depth and then keyed into the computer as a separate lagoon and nearshore data set for each survey line. Data entry was verified by a visual check of the computer printout. Next, corrections were made to each data set. All lagoon distances were designated as negative since they were on the landward side of the survey baseline and all nearshore distances were positive.

The data was referenced to mean sea level using the tidal data collected by the Sea Data 635-12 wave gauge and the air pressure data collected by the Aanderaa weather station. The absolute mean pressure of the wave gauge (14.35 decibars) minus the mean atmospheric pressure (10.12 decibars) yields a relative mean pressure of 4.23 decibars which corresponds to a water depth of 4.23 m below sea level. Deviations from this water depth, due to tidal or other causes, were used to correct the sounding data. Corrections of 0.01 to 0.2 m were applied to a 0.1 m resolution. This was accomplished by adding these corrections to the echo-sounder data previously entered into the computer.

3.2.3 Survey Results and Preliminary Interpretation

The results of the beach and bathymetric surveys have been plotted as composite cross-sectional profiles and tables of distance and elevation data for each survey line (Appendix 1).

In general the data quality was excellent. Any differences between beach and nearshore profiles where the two sets of data overlaped or were in close proximity were due to the very steep nature of the profile at that point. Since the beach profile data were more accurate, they should be used wherever a significant difference exists between the data sets.

The barrier beach (Fig. 1.2) extended to elevations of 1.5 to 1.6 m above mean sea level. The active beach foreshore slope varied from 2° to 10°. The shoreface profile was steepest at the northwest end of the barrier and decreased slightly toward the southeastern end (Lines +200 to -375) of the barrier, where a well-defined break in slope at depths of 2.3 to 2.8 m occurred within 15 m to 20 m of the shoreline. The nearshore profiles landward of 4 to 5 m depths were generally smooth, whereas in deeper water, trench features, thought to be caused by grounding ice ridge keels, were observed (Appendix 1).

Lagoon water depths in the central portion were generally greater than 3.0 m and were a maximum of 3.6 m along survey line +1200. The lagoon bottom was relatively featureless. The bottom sloped very gradually from the landward side and very steeply along the back of the barrier beach (Appendix 1).

3.3 SEDIMENT SAMPLE ANALYSIS

3.3.1 Laboratory Sediment Analysis

Samples received from the field were checked off against a log sheet and sorted for processing. The field sample was homogenized in a bucket and the entire sample, if gravel, or a representative sub-sample, was then wet sieved through a 4.00 phi (63 micron)

Table 3.2 Corrections For Bench Mark Elevation Differences.

Survey Range	Height of B.M. Stake Above Local Ground Surface (m)	Differences in Height Of Top Of BM Relative To GSC # 2 BM (m)	Correction To Be Applied To Each Line To Relate All Elevations To Ground Surface at GSC # 2 (m)	Elevation Correction to Mean Sea Level* (m)
-375	0.59	-0.65	-1.24	-2.55
-300	0.68	0.27	-0.41	-1.72
-200	0.85	0.66	-0.19	-1.50
-100	0.98	0.79	-0.19	-1.50
000	0.24	0.00	-0.24	-1.55
100	0.62	0.27	-0.35	-1.66
200	0.60	0.10	-0.50	-1.81
300	0.63	-0.27	-0.90	-2.21
400	0.74	0.08	-0.66	-1.97
500	0.64	0.03	-0.61	-1.92
600	0.50	0.44	-0.06	-1.37
800	0.92	0.69	-0.23	-1.54
1,000	0.78	0.68	-0.10	-1.41
1,200	1.13	-0.10	-1.23	-2.54
1,400	0.83	0.48	-0.35	-1.66
1,600	0.79	0.34	-0.45	-1.76
1,700	0.89	-0.08	-0.97	-2.28

*Note: These elevation corrections include the correction for the ground surface elevation for each line being defined as 3.0 m during the initial data reduction.

screen to separate the gravel/sand fraction from the mud fraction. The gravel/sand fraction was then dried at 60°C overnight in preparation for dry sieving. The mud sediment in the buckets was allowed to settle out after which the clean water was decanted off. The total mud content was then determined from the dry weight of the remaining sediment. If mud content exceeded 1 % of the total sample weight, a textural analysis was performed as described below.

Sieve analysis was performed on the dry gravel/sand fraction using a 0.5 phi sieve interval for the gravel fraction and a 0.25 phi sieve interval for the sand fraction. General procedures for sieve analysis followed those outlined in Folk (1974). The entire gravel and sand sample was sieved through a stack of sieves ranging from -5.0 to -1.0 phi. After sieving the gravel portion, the sand fraction was then split to obtain a 20 to 50 gram sub-sample for additional sieving through screens of -0.75 to +4.0 phi. The sand sample was sieved for 20 minutes. Any sediment passing the 4.00 phi sieve was collected in the pan and added to the total mud content. All weights were read on a balance to 0.001 grams and rounded off to 0.01 grams.

Mud size analysis was conducted with a Sedigraph at Simon Fraser University. Sample preparation included treatment with H_2O_2 to remove any fine organics, dispersion in a Calgon solution and sonification for two minutes. The graphic results of the Sedigraph analysis were digitized at 0.5 phi intervals over the range 4.0 to < 10.0 phi (Appendix 2).

3.3.2 Computer and Statistical Analysis

Raw sieve weights and percent mud size derived from the laboratory analyses were entered into files on the Dobrocky Seatech Ltd. DEC PDP 34/11A computer. To derive the total sample weight for each sieve interval all of the sieved sand sample weights were corrected for weight loss during sieving and the sand sub-sample split ratio. Statistical analysis was then conducted on the sediment particle size distribution data. Prior to the actual application of the statistical analysis program an intermediate data file was created to make the data suitable for statistical analysis. First, gravel sieve weights were interpolated to 0.25 phi intervals in order to be compatible with the sand sieve weights. Second, the mid-class point of each 0.25 phi sieve interval was designated as the representative size. The results of the statistical analysis for each sample are included in Appendix 2. Moment measures and common graphic statistics (Inman, 1952; Folk and Ward, 1957) were computed as well as percentages of gravel, sand and mud. Note that the results of the statistical analysis are in phi units.

For samples where the fine fraction from the Sedigraph analysis was included the statistical analysis was modified slightly from the normal procedure. Since the existing computer program could not

Table 3.3. Percent Gravel in sediment samples (listed by location of sample) collected from King Point, Yukon Territory.

Survey Range	Active Beach		Nearshore	
	Berm	Mid-Swash	20 m#	50 m#
-375	100	82	0	4
-300	70	92	0	15
-200	54	78	0	1
-100	100	99	0	0
+000	73	100	19	0
+100	88	100	0	0
+200	88	84	1	1
+300	96	80	0	1
+400	78	57	0	9
+500	97	63	0	0
+600	75	85	3	4
+800	90	84	0	99
+1000	91	24	0	28
+1200	91	85	0	1
+1400	100	87	0	0
+1600	85	99	0	1
+1700	99	99	0	0

distance from the shoreline at the time of the survey.

Table 3.4 Percent Sand in sediment samples (listed by sample location) collected from King Point, Yukon Territory.

Survey Range Line	Active Beach		Nearshore	
	Berm	Mid-Swash	20 m#	50 m#
-375	0	18	99	40
-300	31	8	99	56
-200	46	23	99	94
-100	0	1	99	95
+000	27	0	81	84
+100	12	0	99	97
+200	12	16	98	98
+300	5	20	99	96
+400	22	43	99	90
+500	3	37	100	98
+600	25	15	97	95
+800	10	16	99	1
+1000	9	76	99	71
+1200	9	15	99	98
+1400	0	13	99	98
+1600	15	9	99	97
+1700	1	1	99	98

Distance from the shoreline at the time of the survey.

Table 3.5. Percent Mud analysed in the sediment samples collected from the shoreface of King Point (Listed by sample location). The active beach samples contained little or no mud content.

Survey Range Line	Nearshore 20 m#	50 m#
-375	1	56
-300	1	29
-200	1	6
-100	1	5
+000	1	16
+100	1	3
+200	1	2
+300	1	3
+400	1	2
+500	0	2
+600	0	1
+800	1	0
+1000	1	1
+1200	1	1
+1400	1	2
+1600	1	2
+1700	1	2

Distance offshore at the time of the survey.

accommodate 0.25 phi sand fraction sieve data when the fine fraction was added, the raw sand sieve weights were combined into a 0.5 phi interval prior to statistical analyses. The results of the statistical analysis using a 0.5 phi interval for the sand is provided as a separate tabulation (Appendix 2).

3.3.3 Results of Statistical Analyses

A total of 76 samples were collected (Table 2.2) but only 71 were analysed for sediment texture. Sediment samples 1 through 5 collected at the Aanderaa current meters were not included in the tabulated data and are only described by Gillie (1985a, Appendix 4a). A summary of the percent content of gravel, sand and mud in each sample is presented respectively in Tables 3.3, 3.4 and 3.5.

On the basis of the textural analysis, the active beach berm and mid-swash samples consisted of gravel with a minor fraction of sand and essentially no mud. The mean size (moment measure) of the berm samples varied from -4.48 to -1.94 phi and the swash samples varied from -4.14 to -0.20 phi (Appendix 2). Conversely, the nearshore samples consisted of sand with a minor gravel fraction. The mean size of the sediment collected 20 m from shore varied from 0.7 to 2.1 phi and the sediment sampled at a distance of 50 m was slightly finer with mean grain sizes varying from 0.4 to 4.0 phi. The mud content was about 1% for samples at 20 m from the beach and 1% to 3% for samples taken at 50 m from the beach. An exception was the samples collected from the southeast portion of the study area where mud percentages varied between 5% and 56%. The best sorted of all samples were those collected from 20 m offshore.

Sediment samples were collected during the Littoral Environment Observations (LEO) on September 1,2,3, 1985. The results of the seive analysis showed that sediment size increased and sorting decreased between September 1st and the 3rd (Table 2.2; Appendix 2). The mean clast size increased from -0.25 phi to -1.98 phi and the percent gravel increased from 3.2% to 90.5%.

3.3.4 Sediment Transport Trends

A review of the sediment particle size analysis was made using the method of McLaren and Bowles (1985) in order to determine if directions of sediment transport could be derived from the particle size distributions. This work was subcontracted to GeoSea Consulting and their report is attached as Appendix 3.

The following conclusions about trends in sediment transport were made by GeoSea Consulting following their analysis of the sediment data. (i) Beach Berm Samples: No transport trends could be derived. This was accounted for by the reasoning that berm deposits are formed in a beach environment that enables sediment in transport to be completely deposited. As a result, a sequence of berm samples was not expected to show a transport direction.

(ii) Mid-Swash Samples: The trends for these samples showed a significant southeast fining transport direction.

(iii) Shoreface Samples (20 m from shore): Changes in particle size distributions showed good evidence for sediment transport in the northwest direction, parallel to the shore.

(iv) Shoreface Samples (50 m from shore): As for the samples at 20 m, this sequence showed a strong transport direction to the northwest.

In summary, the mid-swash samples indicated transport in a southeast direction while the sediment samples collected at 20 m and 50 m offshore suggested transport in a northwest direction.

3.4 AANDERAA WEATHER STATION

An Aanderaa weather station was deployed near the middle of the barrier beach (Fig. 2.1) for the period 26 August to 14 September, 1985. Wind speed, wind direction and air pressure sensors were mounted on a mast at 10 m above the ground or 12 m above sea level. The data sample interval was 15 minutes. Wind speed was recorded as a time-integrated average over 15 minutes while the wind direction and air pressure were instantaneous readings taken at the end of each sample interval. Further details of the instrument function and field deployment were presented by Gillie (1985a).

The field data tape recovered from the instrument recorder was read in the office and examined for the actual number of records on tape versus the expected number, as well as for any other data quality indicators (for example, instrument reference number). These checks indicated correct recorder function and each record was assigned a local time based upon the field log sheets. The three channels of digital data were then calibrated to derive wind speed (m/s), wind direction (degrees true north) and air pressure (millibars). The data results are plotted in Appendix 4. Comparison of the data with visual observations and estimates of wind speed and direction made in the field confirmed the accuracy of the instument data. The only instrument malfunction occurred on 8 September when the pressure sensor did not respond to a rapidly falling pressure and became "stuck" at 987 mb for about 6 hours.

The mean air pressure over the deployment period was approximately 1010 to 1015 mb which was typical for this coastal area in September (Fisheries and Oceans Canada, 1982). The extreme pressures recorded ranged from 1033 to below 987 mb. Winds reached maximum velocities of 15-20 m/s during the monitoring program. The strongest winds blew from the south and southwest on two occasions. Onshore winds were strongest during 3, 4, 5 September when north-northwest (330 degrees true) winds blew at 10-12 m/s. Maximum onshore winds of 10-15 m/s blew from the northwest during 15 September after the station had been dismantled (Table 2.1).

During this storm an estimated storm surge of 0.8 m occurred with waves of estimated 1.5 m height. The beach was submerged to a height of the first major log debris line (Morgan, 1986). The storm lasted 5 hours. There were also a number of northeast to southeast wind events of limited duration and strength. For example, northwest winds of 5-7 m/s followed two of the southwest storm events on the 8 and 14 September. No strong winds blew from the north or northeast which were the directions of maximum fetch.

Northwest and southeast wind directions produced higher wave energy conditions and because of the low oblique angle of wave approach to the shore significant longshore currents were also generated (see Section 3.6). Swell waves were also experienced on occasion at the site. For example, swell waves of 5 second period and wave height of 0.4 to 0.8 m approached the shore from the northeast on 2 September (Gillie, 1985a, Appendix 6).

3.5 AANDERAA CURRENT METERS

Near-bottom currents were measured in a line offshore of King Point with five Aanderaa current meters (Fig. 2.1). Currents were also measured by the Sea data 621 and 635-12 instruments (see section 3.6). Only the Aanderra current meters at 5, 10 and 15 m were recovered but the tape drive had malfunctioned on the 15 m deep current meter which had been dragged 300 m from its original deployment site. The other two current meters were coated with mud suggesting that they had contacted the seabed at a severe angle of inclination from the vertical (Gillie, 1985a). The recovered data tapes were processed at the Bedford Institute of Oceanography. Although the data contained many inconsistencies, they are provided in Appendix 5. The data consist of time series plots of current speed, direction and water temperature for the period 30 August to 6 September, 1985. Note that the time scale is GMT which is 6 hours later than local time (Mountain Daylight Time). Also note that the current speed and water temperature scales are different for each instrument plot.

A preliminary examination of the data indicated that there were apparent features of the current direction plots which may be related to tides or inertial currents. These features occurred as reversing and rotary current direction patterns of approximately 12 hours period. The current direction for the meter at 5 m depth also showed unidirectional currents for two periods. On September 2 and 3, current direction was generally to the west and on September 4 and 5, it was generally to the northeast. These directions were possibly in response to the wind and wave conditions which occurred over the same two periods. However current velocity did not appear to be related to wind or wave events. The current velocities were 0.05 to 0.15 m/s with occasionally higher bursts of 0.20 to 0.30 m/s currents.
In summary, although some near-bottom current data were obtained,

they should be used with extreme caution because of the problems with instrument moorings.

3.6 SEA DATA DIRECTIONAL WAVE/CURRENT METERS

In order to record directional wave spectra and current velocities in the nearshore zone, two Sea Data instruments were deployed during the study. A Sea Data 621 was deployed in 2.7 m of water approximately 20 m from the shoreline and a Sea Data 635-12 was deployed in 5.6 m of water aproximately 400 m from the shore (Fig. 2.2).

3.6.1. Sea Data 621 Current Data

The instrument was deployed from 28 August to 14 September 1985. It was set to record data at a 0.5 second rate for 1,024 seconds every three hours. The instrument was equipped with a pressure sensor, electromagnetic current meter and a compass. In the field, prior to deployment and immediately after deployment, zero current speed calibrations were conducted and recorded on tape. During the deployment, periodic observations and measurements were made of wave height and period, and current speed and direction over the instrument (Gillie, 1985a-LEO's). These field measurements were used to verify the working condition of the instrument.

Initial data reduction consisted of reading the field cassette tape and transferring the data to nine track tape. The nine track tape was then read and calibrated. Various statistics were also calculated for each channel of data to indicate mean and anomalous values. When the data were examined in detail it was observed that 40-50 % of the pressure data were bad and these values were discarded. Therefore, the wave characteristics at this site could not be determined. However a later spectral density analysis of the current meter velocity components showed that the some of the highest densities corresponded very well with the LEO observations. (See p.2-4 in Pinchin and Nairn, 1987, for more details about the followup analyses). In this report only the current data from the instrument have been analysed. In general, the current meter data were excellent with less than 5% "spikey" data. Data spikes took the form of individually bad data points which on average occurred once every 20 data points. Therefore, the data could be easily despiked by removing all data points which exhibited a change in value of more than +/- three standard deviations between consecutive data points. After the data were despiked, the zero current speed offsets were applied. Based upon an average of pre- and post-deployment measurements, the offsets were determined to be + 0.7 cm/s for the north component and -2.1 cm/s for the east component.

The results of the data reduction are contained in Appendix 6 as time series plots and tables. In the tabulated data, the time of each recording (record number 1, 2, 3,...., 148, 149, 150) is shown

as 8 minutes after each 3 hour recording period of approximately 17 minutes (1024 seconds). In this respect, 8 minutes represents the mid-point of the data averaged over the sample duration. The first pertinent value is record number 9 at 21:08 on 28 August; the last is record number 144 at 18:08 on 14 September.

In columns 2 and 4 (respectively, the North Mean and East Mean) the convention for direction is for currents directed to the major compass points (N,S,E,W) to have the following signs:

North/South	+/-
East/West	+/-

The current speed and direction in columns 6 and 7 are the vector resultant of the data in columns 2 and 4. Current direction is referenced to true north. Compass direction (column 8) is with respect to true north. The variation in the compass reading between about 282° and 286° is due to the compass bit resolution of 1.4° and slight drift in this value about the mean of 284°.

From the data it can be seen that significant fluctuations in current speed and direction occurred over short periods. When wind and wave energy conditions were low, current speeds were less than 5 cm/s. For higher energy wind and wave events current speeds increased to maximum velocities of 35 cm/s on 4 September. This period corresponded to the only major storm event from the northwest monitored during the study. There was another event on 15 September but the instruments had been taken out of the water. At other times, short duration (12 hour) northwest and southeast wind and wave events produced current speeds of 10 to 20 cm/s. Current directions for the higher energy events were directed toward either 120° - 130° or 300° - 320°. These two directions represented currents to the southeast or northwest parallel to the shore as would be expected from the corresponding winds and waves.

3.6.2 Sea Data 635-12 Wave Data

The Sea Data 635-12 instrument was deployed in 5.6 m of water approximately 400 m from shore (Fig. 2.2, Table 2.1). The instrument was set to record data at a 0.5 second rate for 1024 seconds every 3 hours. In addition, a sampling interval of 15 minutes was also set up for tides. The instrument was equipped with a pressure sensor, electromagnetic current meter, compass and temperature sensor. However when the instrument was recovered its tripod frame had fallen over with the current meter sensor lying near the seabed. It was also found that the data were collected for only 256 seconds every 3 hours rather than the intended 1024 seconds. It is not known when the tripod fell over. This may be the main reason for the problems with the wave directional data (Pinchin and Nairn, 1987). Wave periods do however appear to have been measured accurately. The data records suggested that the instrument was stable in attitude and orientation until 11

September but this could not be confirmed.

Initial data reduction consisted of reading the field cassette tape and transferring the data to nine track tape. The nine track tape was then read and calibrated. Routine statistical analysis of the various channels of data indicated that mean and standard deviation values were representative of the values to be expected. Only one of the approximately 100 wave recordings had "spikey" data. The correction of the total pressure signal (atmosphere and water) consisted of first subtracting the mean atmospheric pressure of 10.12 decibars to yield a mean water pressure of approximately 4.23 decibars. This refers to the depth of the pressure sensor. The water depth was 5.6 m and the sensor was 1.47 m above the seabed (Gillie, 1985, Appendix 8).

Since the pressure sensor measured the changing wave-induced pressure beneath waves and since wave pressure fluctuations decrease with increasing depth below the surface and decreasiug wave period, a correction was applied to account for the signal attenuation. A standard procedure for the analysis of pressure data is the computation of the pressure spectrum at the sensor depth and the correction to provide the surface spectrum for wave height. In this procedure the corrections applied are different for each spectral bandwidth because of the attenuation coefficient dependence on wave period or length. Because of the low mean tidal range of 0.2 to 0.5 m at the study site, constant bottom depth and sensor depth values were used to compute shallow water wavelengths.

The surface wave height spectral analyses were then used to derive standard wave characteristics such as the significant wave height, the peak period and wave height exceedance data. The results of the analysis of wave height data are presented in Appendix 6.2. The wave directional data have been suggested by Pinchin and Nairn (1987) to be incorrect and could not be used in sediment transport models.

3.7 SUSPENDED SEDIMENT TRANSPORT

A total of 16 suspended sediment samples were collected during four occasions in this study (Table 3.7). All of the sediment sampled was fine sand or finer (minor amounts of silt and clay were present). Details about the sample analysis are contained in the earlier report by Gillie (1985a). Suspended sediment concentrations ranged from less than 0.03 g for background conditions up to a maximum measured value of 0.13 g/L taken under moderate wave energy conditions (Table 3.6). However, the sampling equipment had not been deployed during the major storm which occurred earlier in the study period (September 4-5). Based upon other recent studies of suspended sediment (Gillie, 1984, 1985b), and the higher energy conditions on September 4-5, it is likely that suspended sediment concentrations may have reached over 0.5 g/L at the sampling height of 20 cm.

Table 3.6 Suspended Sediment Samples collected at the Sea Data 621 current meter moored in 2.7 m water depth, King Point, Yukon Territory.

Sample Id.	Date (Sept)	Time (MDT)	Sample Height (cm)	Concentration (g/L)	Longshore Current (cm/s)
1	8	22:00	50	0.10	-
2	9	00:01	50	0.09	17
3	9	00:04	50	0.06	17
4	9	00:06	50	0.05	17
5	9	00:08	50	0.05	17
6	10	15:06	50		-
				0.003	-
7	10	15:10	50		-
8	14	09:04	20	0.06	7
9	14	09.06	20	0.08	7
10	14	09:08	20	0.04	7
11	14	09:10	20	0.13	7
12	14	09:12	20	0.05	7
13	14	09:14	20	0.04	7
14	14	09:16	20	0.07	7
15	14	09:18	20	0.07	7
16	14	09:20	20	0.12	7

NOTE:
1. All samples were 7 litres.
2. Sampling durations varied from 33 to 43 seconds.
3. Sample delay between hose intake and outlet was approximately 60 seconds.

It is possible to combine the quantities of suspended sediment and longshore current velocities measured concurrently at the Sea Data 621 current meter site to derive estimates of the transport of suspended sediment for the prevailing conditions. For example, using a suspended sediment concentration of 0.1 g/L and a current speed of 10 cm/s, which are representative values from Table 3.6, for a unit volume of water 1 m^3 above the seabed there is a computed flux of suspended sediment of 36 kg/hr or 864 kg/day. These estimates are in dry weight of sand. For the purpose of conversion, 1,000 kg of dry sand is equivalent to 0.64 m^3 of deposited sand volume. This assumes a density of 2.6 g/cm^3 for the sand and a deposited sand porosity of 40 %. Therefore 864 kg would convert to 0.55 m^3. Under higher energy conditions, when suspended sediment concentration may reach 0.5 g/L with current speeds of 40 cm/s, then suspended sediment transport rates of 17,280 kg/day or 11.05 m^3/day could occur.

The rates of transport calculated above are for a unit volume of the seabed only. If the rates applied to a 50 m wide portion of the nearshore zone, then the total would be increased by 50 times. Computation of the total suspended sediment transport for an open water season would depend upon the number of days with certain rates of suspended sediment transport. Only then, would it be possible to derive a gross estimate of the percentage of suspended sediment transport as a percentage of the total longshore sediment transport. However, the field measurements presented above give some indication of the absolute magnitude for the given conditions.

4.0 POST-MORTEM

During the short field season of 1985 a very detailed plan map and cross-sectional profile of the King Point coastal segment was completed. The data will serve as a reference for understanding future changes to this coastal feature. Unfortunately, profiles were only completed once at each range line so there is no information about beach response to the oceanographic conditions that were monitored. Furthermore, the absence of sequential profiles prevented the comparison of a profile adjustment model (Pinchin and Nairn, 1987) and its calibration against wave conditions.

A very detailed suite of sediment samples was collected from the seaward side of the barrier and parts of the nearshore. An analysis of the textural characteristics of each sample provided an indication of sediment transport directions. The lower beach samples suggested that there was a fining to the southeast and the samples from the shoreface suggested sediment transport in a northwest direction (McLaren and Bowles, Appendix 3-this report). Unfortunately, the sampling did not include the surf zone where most of the sediment transport would be expected to occur.

According to Pinchin and Nairn (1987) the waves recorded would have had a significant breaker depth of only 0.6 m but the innermost oceanographic instrument was at 2.6 m. Therefore the instruments were deployed in water too deep to measure the longshore and offshore variations in the currents produced by the observed waves. There were also major problems with the stability of the oceanographic instruments because of the type of moorings and sea-ice interaction.

Although one of the major objectives was to provide field data which could be used to calibrate numerical models of sediment transport, problems arose when Pinchin and Nairn (1987) tried to match the predicted alongshore currents to the measured alongshore currents. Pinchin and Nairn (1987) contended that a major cause of the problem was the site of the instrument deployment. The instruments were placed in a straight line offshore of a strongly curved section of beach instead of at the straighter mid-portion of the King Point barrier.

The weather data and the littoral environmental observations proved to be very useful in determining the working condition of the oceanographic instruments and in the later wave hindcast project. The main value of the weather data was to point out differences with other nearby, longer meteorological data sets which would normally be used in wave hindcasting.

Although the field program provided little data for the testing of numerical models for coastal sediment transport in the Beaufort Sea, the survey data have been used in some later reports to determine the evolution of the barrier at King Point (Hill, 1990). The lessons learned during the program were also helpful in a subsequent sediment transport study at Tibjak Beach (Héquette et al. 1990).

5.0 REFERENCES

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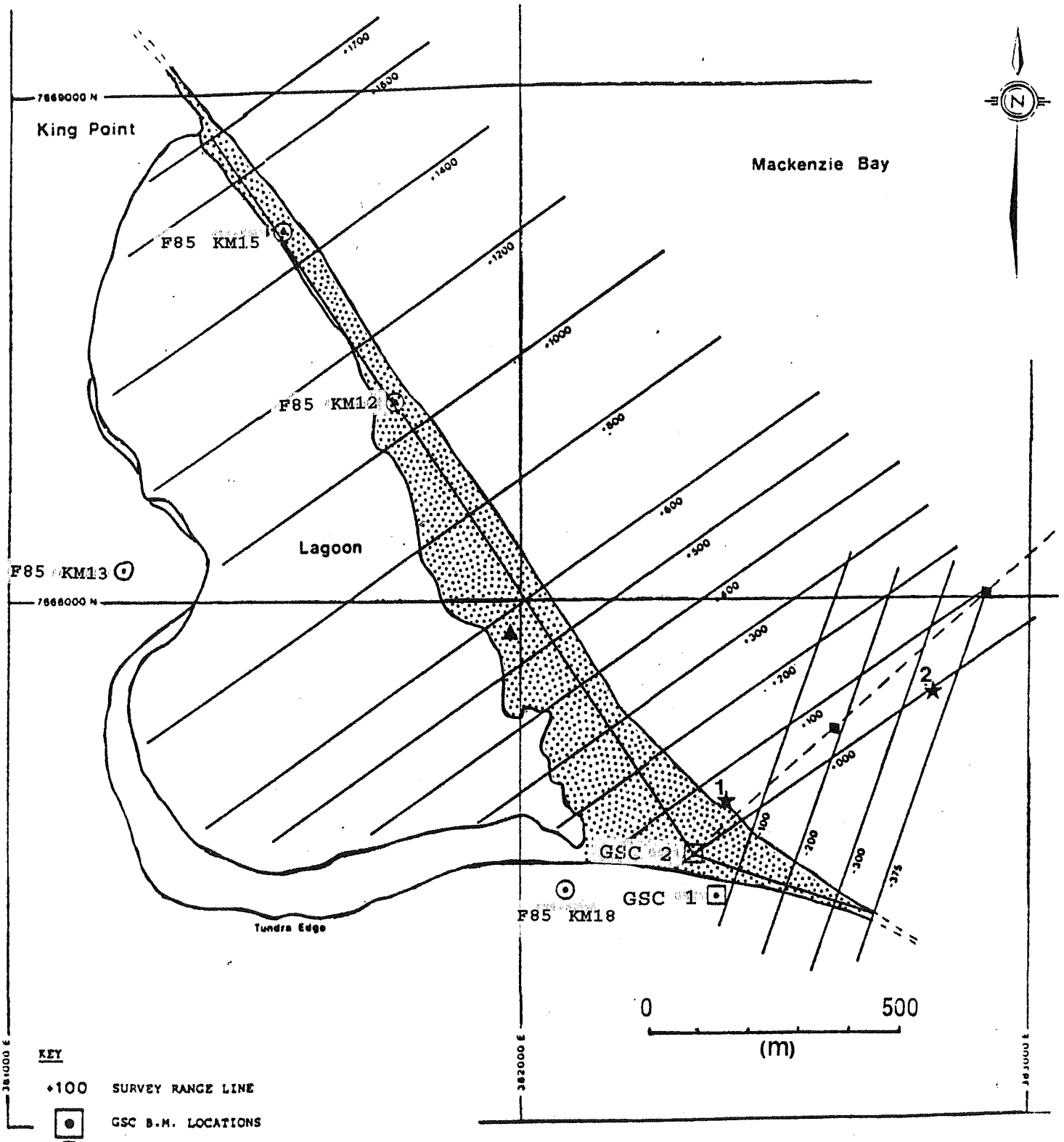
DATA APPENDICES

SURVEY DATA
AND
CROSS-SECTIONAL PROFILES
OF KING POINT COASTAL BARRIER

APPENDIX 1

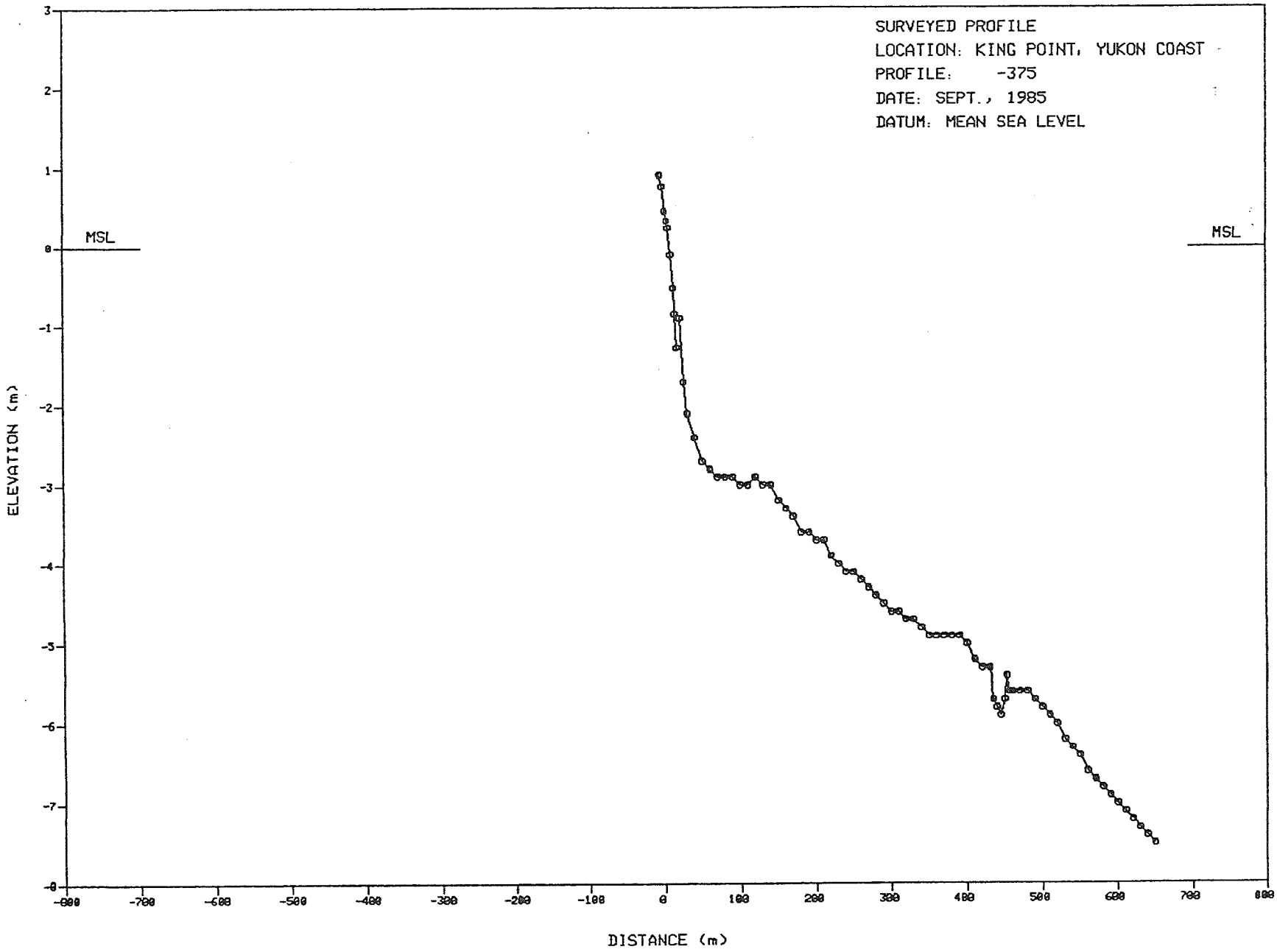


MAP OF SURVEY LINES
AND CONTROL MARKERS
KING POINT, YUKON TERRITORY

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: -375
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT -375

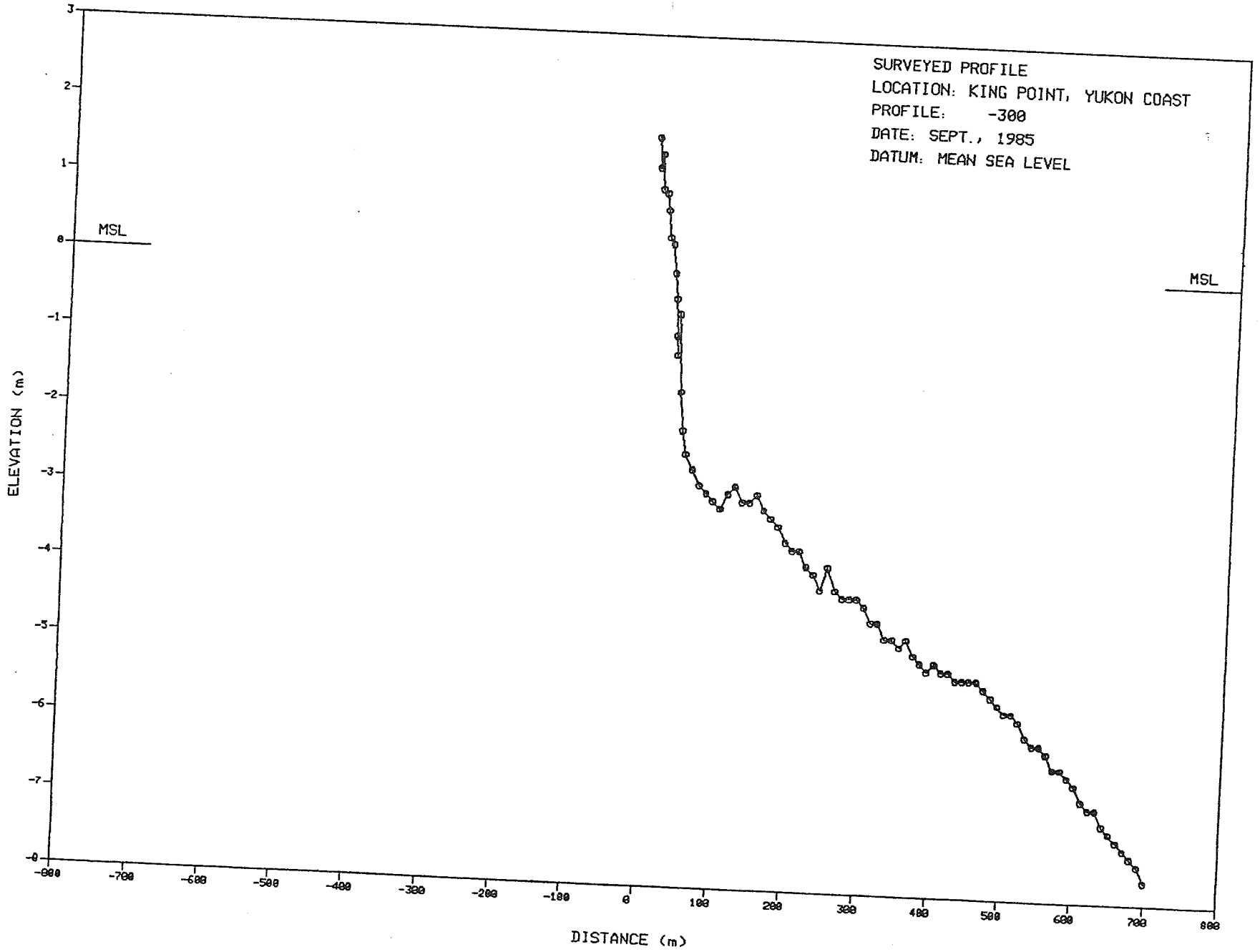
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
650.00	-7.50	16.30	-1.27		
640.00	-7.40	13.30	-0.85		
630.00	-7.30	11.80	-0.52		
620.00	-7.20	8.60	-0.10		
610.00	-7.10	4.40	0.24		
600.00	-7.00	2.70	0.33		
590.00	-6.90	0.00	0.45		
580.00	-6.80	-3.60	0.76		
570.00	-6.70	-6.90	0.91		
560.00	-6.60				
550.00	-6.40				
540.00	-6.30				
530.00	-6.20				
520.00	-6.00				
510.00	-5.90				
500.00	-5.80				
490.00	-5.70				
480.00	-5.60				
470.00	-5.60				
460.00	-5.60				
456.00	-5.60				
452.00	-5.40				
450.00	-5.70				
445.00	-5.90				
440.00	-5.80				
435.00	-5.70				
430.00	-5.30				
420.00	-5.30				
410.00	-5.20				
400.00	-5.00				
390.00	-4.90				
380.00	-4.90				
370.00	-4.90				
360.00	-4.90				
350.00	-4.90				
340.00	-4.80				
330.00	-4.70				
320.00	-4.70				
310.00	-4.60				
300.00	-4.60				
290.00	-4.50				
280.00	-4.40				
270.00	-4.30				
260.00	-4.20				
250.00	-4.10				
240.00	-4.10				
230.00	-4.00				
220.00	-3.90				
210.00	-3.70				
200.00	-3.70				
190.00	-3.60				
180.00	-3.60				
170.00	-3.40				
160.00	-3.30				
150.00	-3.20				
140.00	-3.00				
130.00	-3.00				
120.00	-2.90				
110.00	-3.00				
100.00	-3.00				
90.00	-2.90				
80.00	-2.90				
70.00	-2.90				
60.00	-2.80				
50.00	-2.70				
40.00	-2.40				
30.00	-2.10				
25.00	-1.70				
20.00	-0.90				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: -375
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: -300
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT -300

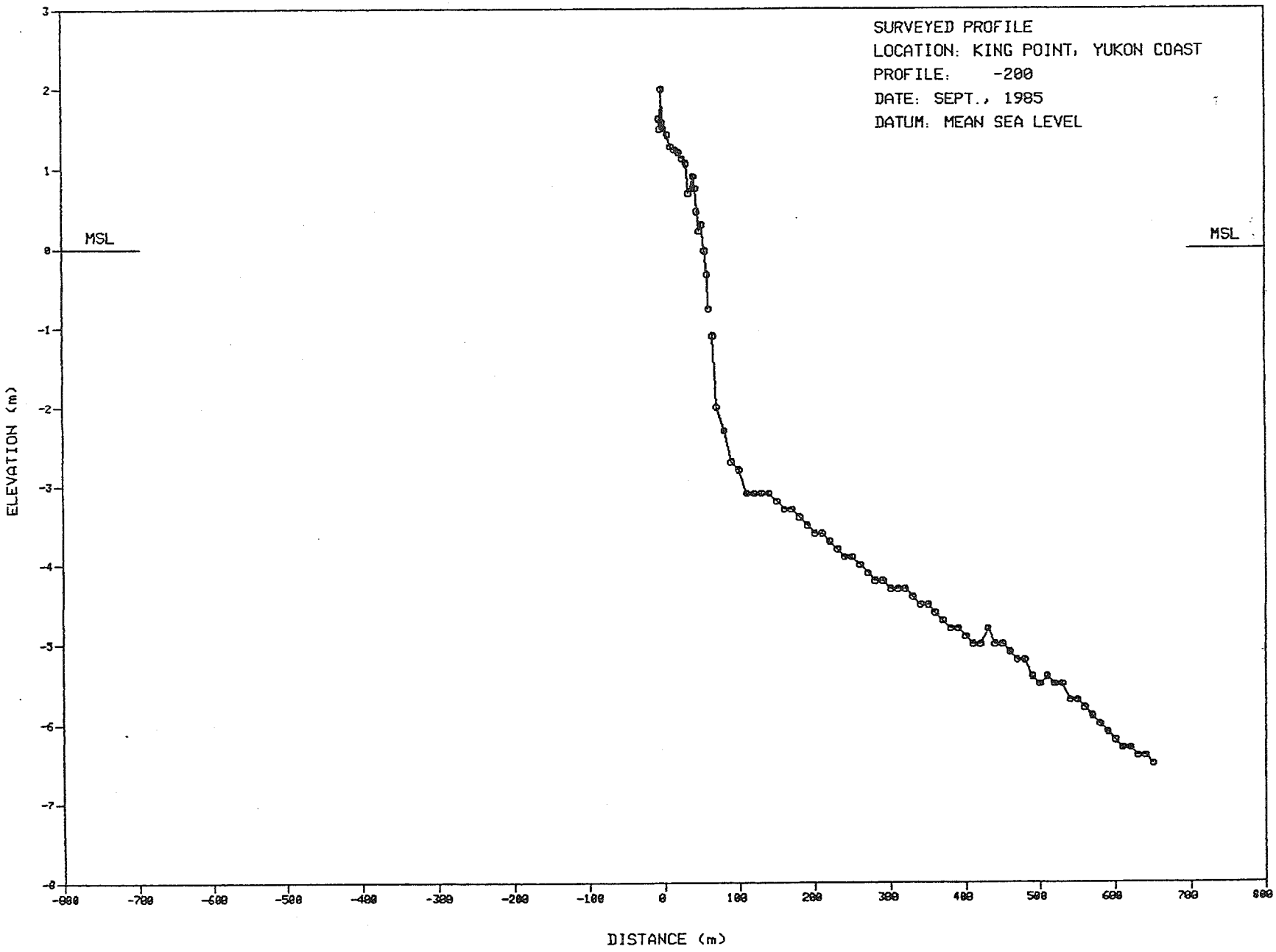
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
700.00	-7.70	33.10	-1.13		
690.00	-7.50	31.50	-0.88		
680.00	-7.40	29.40	-0.41		
670.00	-7.30	26.30	-0.08		
660.00	-7.20	22.10	0.30		
650.00	-7.10	17.90	0.38		
640.00	-7.00	13.70	0.73		
630.00	-6.80	10.70	0.95		
620.00	-6.80	5.50	1.00		
610.00	-6.70	3.50	1.46		
600.00	-6.50	0.00	1.28		
590.00	-6.40	-2.30	1.67		
580.00	-6.30				
570.00	-6.30				
560.00	-6.10				
550.00	-6.00				
540.00	-6.00				
530.00	-5.90				
520.00	-5.70				
510.00	-5.60				
500.00	-5.60				
490.00	-5.50				
480.00	-5.40				
470.00	-5.30				
460.00	-5.20				
450.00	-5.20				
440.00	-5.20				
430.00	-5.20				
420.00	-5.10				
410.00	-5.10				
400.00	-5.00				
390.00	-5.10				
380.00	-5.00				
370.00	-4.90				
360.00	-4.70				
350.00	-4.80				
340.00	-4.70				
330.00	-4.70				
320.00	-4.50				
310.00	-4.50				
300.00	-4.30				
290.00	-4.20				
280.00	-4.20				
270.00	-4.20				
260.00	-4.10				
250.00	-3.80				
240.00	-4.10				
230.00	-3.90				
220.00	-3.80				
210.00	-3.60				
200.00	-3.60				
190.00	-3.50				
180.00	-3.30				
170.00	-3.20				
160.00	-3.10				
150.00	-2.90				
140.00	-3.00				
130.00	-3.00				
120.00	-2.80				
110.00	-2.90				
100.00	-3.10				
90.00	-3.00				
80.00	-2.90				
70.00	-2.80				
60.00	-2.60				
50.00	-2.40				
45.00	-2.10				
40.00	-1.60				
35.00	-0.60				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: -300
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: -200
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT -200

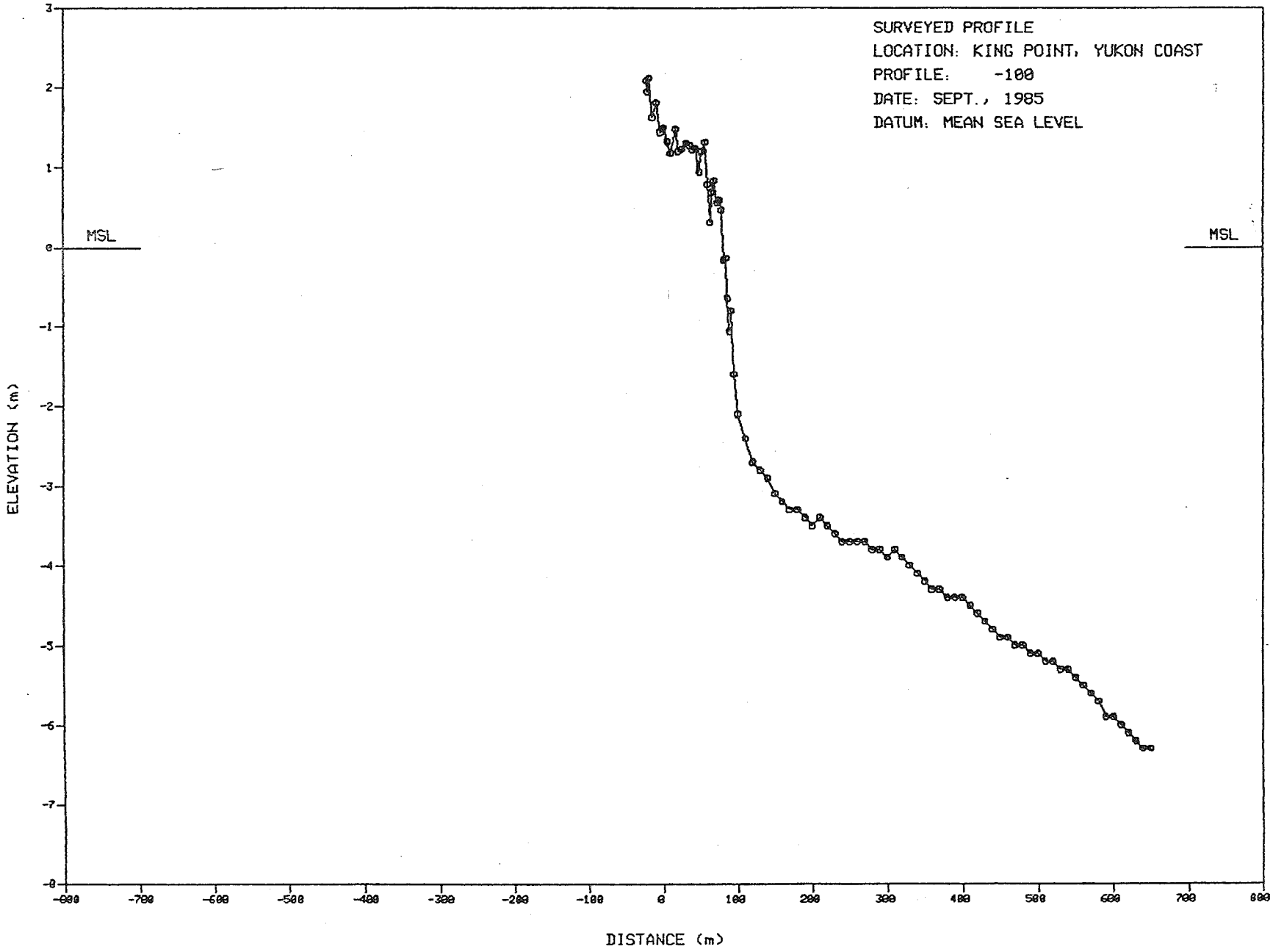
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
650.00	-6.50	60.10	-0.76		
640.00	-6.40	57.70	-0.33		
630.00	-6.40	54.60	-0.03		
620.00	-6.30	50.90	0.30		
610.00	-6.30	48.10	0.22		
600.00	-6.20	44.50	0.46		
590.00	-6.10	42.80	0.75		
580.00	-6.00	39.70	0.90		
570.00	-5.90	33.50	0.69		
560.00	-5.80	30.00	1.06		
550.00	-5.70	25.00	1.12		
540.00	-5.70	20.00	1.20		
530.00	-5.50	15.00	1.23		
520.00	-5.50	10.00	1.27		
510.00	-5.40	5.00	1.42		
500.00	-5.50	0.00	1.50		
490.00	-5.40	-2.00	1.57		
480.00	-5.20	-3.50	1.99		
470.00	-5.20	-5.20	1.49		
460.00	-5.10	-6.60	1.62		
450.00	-5.00				
440.00	-5.00				
430.00	-4.80				
420.00	-5.00				
410.00	-5.00				
400.00	-4.90				
390.00	-4.80				
380.00	-4.80				
370.00	-4.70				
360.00	-4.60				
350.00	-4.50				
340.00	-4.50				
330.00	-4.40				
320.00	-4.30				
310.00	-4.30				
300.00	-4.30				
290.00	-4.20				
280.00	-4.20				
270.00	-4.10				
260.00	-4.00				
250.00	-3.90				
240.00	-3.90				
230.00	-3.80				
220.00	-3.70				
210.00	-3.60				
200.00	-3.60				
190.00	-3.50				
180.00	-3.40				
170.00	-3.30				
160.00	-3.30				
150.00	-3.20				
140.00	-3.10				
130.00	-3.10				
120.00	-3.10				
110.00	-3.10				
100.00	-2.80				
90.00	-2.70				
80.00	-2.30				
70.00	-2.00				
65.00	-1.10				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: -200
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: -100
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT -100

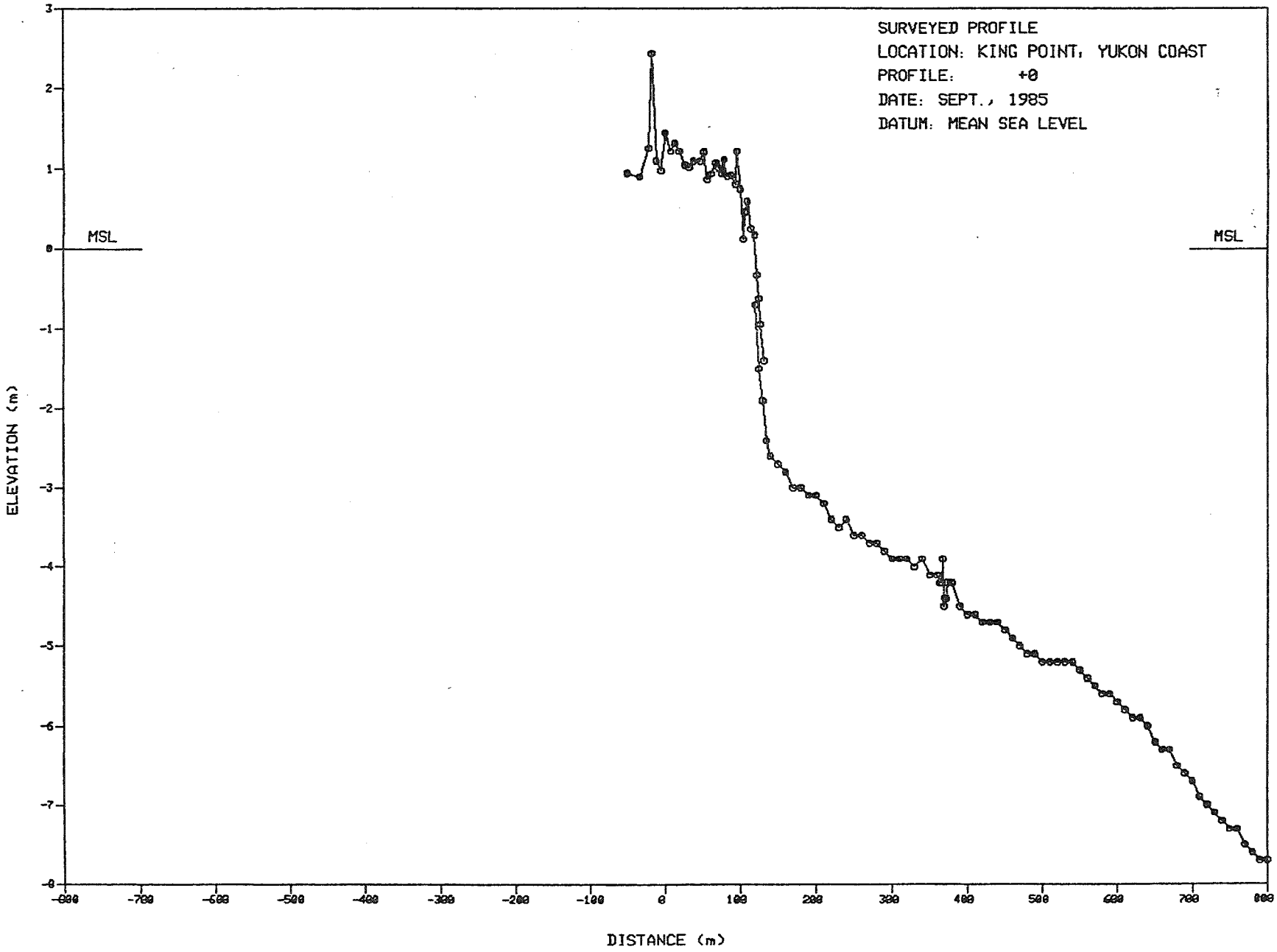
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
650.00	-6.30	89.00	-1.06		
640.00	-6.30	86.20	-0.64		
630.00	-6.20	84.20	-0.14		
620.00	-6.10	81.40	-0.16		
610.00	-6.00	78.20	0.47		
600.00	-5.90	75.00	0.59		
590.00	-5.90	71.80	0.56		
580.00	-5.70	67.80	0.84		
570.00	-5.60	64.90	0.69		
560.00	-5.50	62.90	0.32		
550.00	-5.40	59.40	0.79		
540.00	-5.30	55.80	1.32		
530.00	-5.30	51.10	1.20		
520.00	-5.20	48.30	0.95		
510.00	-5.20	43.30	1.24		
500.00	-5.10	38.80	1.22		
490.00	-5.10	34.40	1.28		
480.00	-5.00	30.00	1.31		
470.00	-5.00	25.00	1.23		
460.00	-4.90	20.00	1.20		
450.00	-4.90	16.00	1.48		
440.00	-4.80	10.00	1.18		
430.00	-4.70	5.00	1.33		
420.00	-4.60	0.00	1.50		
410.00	-4.50	-5.00	1.44		
400.00	-4.40	-10.00	1.81		
390.00	-4.40	-15.00	1.63		
380.00	-4.40	-20.00	2.12		
370.00	-4.30	-21.60	1.95		
360.00	-4.30	-22.80	2.09		
350.00	-4.20				
340.00	-4.10				
330.00	-4.00				
320.00	-3.90				
310.00	-3.80				
300.00	-3.90				
290.00	-3.80				
280.00	-3.80				
270.00	-3.70				
260.00	-3.70				
250.00	-3.70				
240.00	-3.70				
230.00	-3.60				
220.00	-3.50				
210.00	-3.40				
200.00	-3.50				
190.00	-3.40				
180.00	-3.30				
170.00	-3.30				
160.00	-3.20				
150.00	-3.10				
140.00	-2.90				
130.00	-2.80				
120.00	-2.70				
110.00	-2.40				
100.00	-2.10				
95.00	-1.60				
91.00	-0.80				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: -100
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +0
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +0

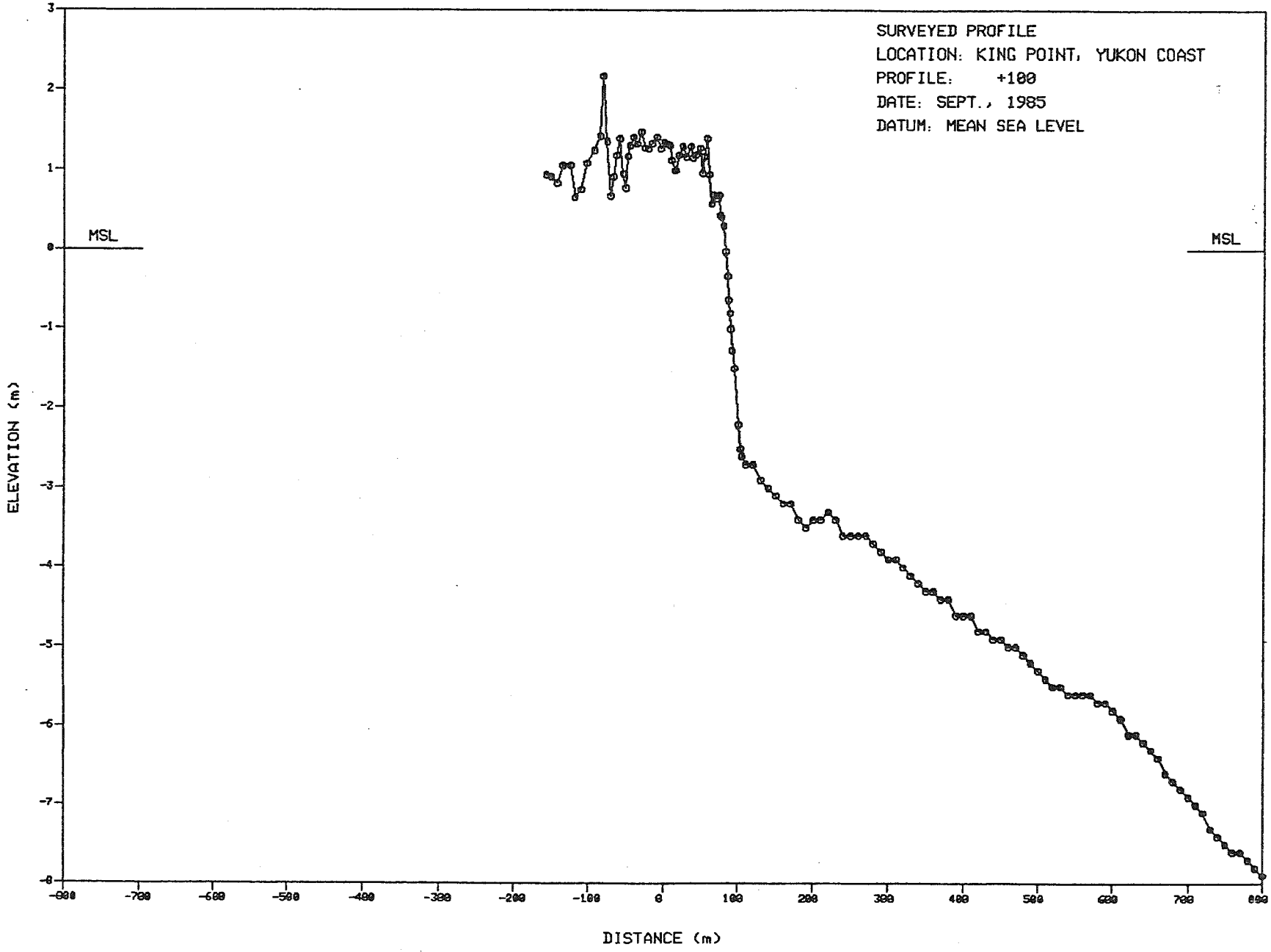
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
800.00	-7.70	131.50	-1.40		
790.00	-7.70	126.80	-0.94		
780.00	-7.60	125.50	-0.62		
770.00	-7.50	122.50	-0.33		
760.00	-7.30	119.10	0.17		
750.00	-7.30	113.40	0.25		
740.00	-7.20	108.90	0.59		
730.00	-7.10	106.00	0.46		
720.00	-7.00	104.20	0.12		
710.00	-6.90	99.70	0.74		
700.00	-6.70	95.50	1.22		
690.00	-6.60	93.50	0.81		
680.00	-6.50	87.50	0.92		
670.00	-6.30	82.30	0.91		
660.00	-6.30	78.40	1.12		
650.00	-6.20	74.80	0.94		
640.00	-6.00	70.70	1.01		
630.00	-5.90	67.30	1.08		
620.00	-5.90	61.00	0.94		
610.00	-5.80	56.00	0.87		
600.00	-5.70	52.00	1.21		
590.00	-5.60	47.00	1.10		
580.00	-5.60	37.80	1.10		
570.00	-5.50	32.00	1.02		
560.00	-5.40	26.50	1.05		
550.00	-5.30	19.00	1.22		
540.00	-5.20	13.20	1.32		
530.00	-5.20	7.70	1.22		
520.00	-5.20	0.00	1.45		
510.00	-5.20	-5.60	0.98		
500.00	-5.20	-11.90	1.10		
490.00	-5.10	-17.70	2.44		
480.00	-5.10	-21.50	1.26		
470.00	-5.00	-34.10	0.90		
460.00	-4.90	-51.40	0.95		
450.00	-4.80				
440.00	-4.70				
430.00	-4.70				
420.00	-4.70				
410.00	-4.60				
400.00	-4.60				
390.00	-4.50				
380.00	-4.20				
374.00	-4.20				
372.00	-4.40				
371.00	-4.40				
370.00	-4.40				
369.00	-4.50				
368.00	-3.90				
366.00	-4.20				
364.00	-4.20				
360.00	-4.10				
350.00	-4.10				
340.00	-3.90				
330.00	-4.00				
320.00	-3.90				
310.00	-3.90				
300.00	-3.90				
290.00	-3.80				
280.00	-3.70				
270.00	-3.70				
260.00	-3.60				
250.00	-3.60				
240.00	-3.40				
230.00	-3.50				
220.00	-3.40				
210.00	-3.20				
200.00	-3.10				
190.00	-3.10				
180.00	-3.00				
170.00	-3.00				
160.00	-2.80				
150.00	-2.70				
140.00	-2.60				
135.00	-2.40				
130.00	-1.90				
125.00	-1.50				
120.00	-0.70				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +0
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +100
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +100

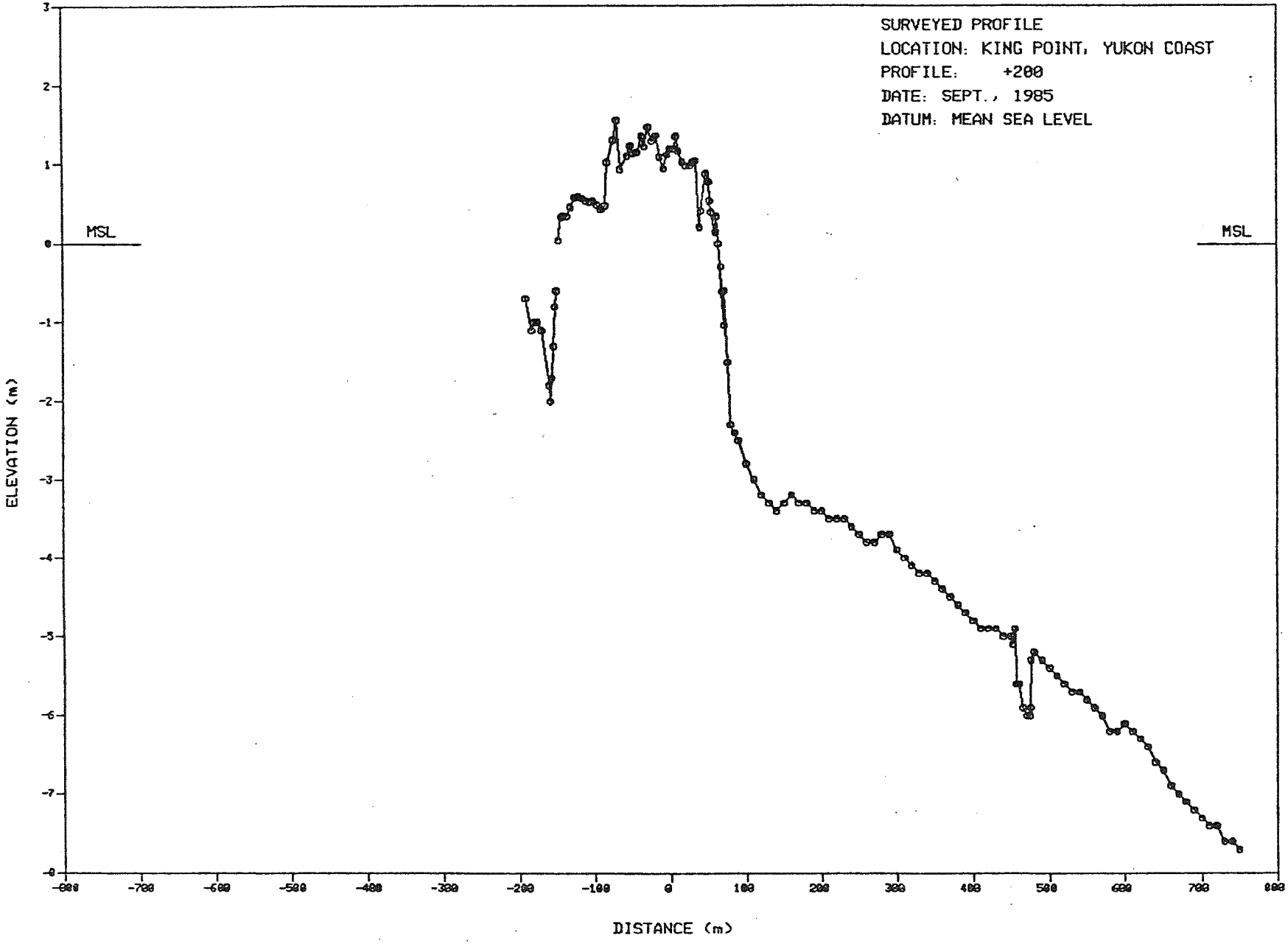
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
800.00	-7.90	91.70	-1.28		
790.00	-7.80	86.80	-0.64		
780.00	-7.70	85.70	-0.34		
770.00	-7.60	82.90	-0.03		
760.00	-7.60	80.00	0.30		
750.00	-7.50	77.20	0.41		
740.00	-7.40	75.40	0.43		
730.00	-7.30	73.90	0.68		
720.00	-7.10	71.30	0.64		
710.00	-7.00	67.00	0.68		
700.00	-6.90	63.90	0.57		
690.00	-6.80	60.90	0.94		
680.00	-6.70	58.10	1.39		
670.00	-6.60	53.90	1.16		
660.00	-6.40	51.90	0.96		
650.00	-6.30	48.90	1.27		
640.00	-6.20	43.90	1.19		
630.00	-6.10	38.90	1.15		
620.00	-6.10	36.00	1.29		
610.00	-5.90	30.00	1.16		
600.00	-5.80	24.90	1.29		
590.00	-5.70	19.90	1.18		
580.00	-5.70	14.90	0.99		
570.00	-5.60	9.90	1.12		
560.00	-5.60	7.90	1.30		
550.00	-5.60	2.90	1.32		
540.00	-5.60	0.00	1.34		
530.00	-5.50	-5.10	1.26		
520.00	-5.50	-10.10	1.40		
510.00	-5.40	-16.10	1.33		
500.00	-5.30	-21.10	1.26		
490.00	-5.20	-26.10	1.27		
480.00	-5.10	-31.30	1.47		
470.00	-5.00	-36.10	1.32		
460.00	-5.00	-41.10	1.41		
450.00	-4.90	-46.10	1.30		
440.00	-4.90	-48.80	1.17		
430.00	-4.80	-51.70	0.77		
420.00	-4.80	-55.20	0.95		
410.00	-4.60	-59.60	1.39		
400.00	-4.60	-63.40	1.18		
390.00	-4.60	-67.50	0.91		
380.00	-4.40	-71.50	0.67		
370.00	-4.40	-76.20	1.35		
360.00	-4.30	-81.80	2.17		
350.00	-4.30	-85.50	1.42		
340.00	-4.20	-93.40	1.24		
330.00	-4.10	-102.80	1.08		
320.00	-4.00	-110.50	0.75		
310.00	-3.90	-119.30	0.65		
300.00	-3.90	-125.40	1.05		
290.00	-3.80	-135.40	1.05		
280.00	-3.70	-142.40	0.83		
270.00	-3.60	-150.80	0.91		
260.00	-3.60	-157.30	0.93		
250.00	-3.60				
240.00	-3.60				
230.00	-3.40				
220.00	-3.30				
210.00	-3.40				
200.00	-3.40				
190.00	-3.50				
180.00	-3.40				
170.00	-3.20				
160.00	-3.20				
150.00	-3.10				
140.00	-3.00				
130.00	-2.90				
120.00	-2.70				
110.00	-2.70				
105.00	-2.60				
103.00	-2.50				
100.00	-2.20				
95.00	-1.50				
90.00	-1.00				
89.00	-0.80				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +100
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +200
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +200

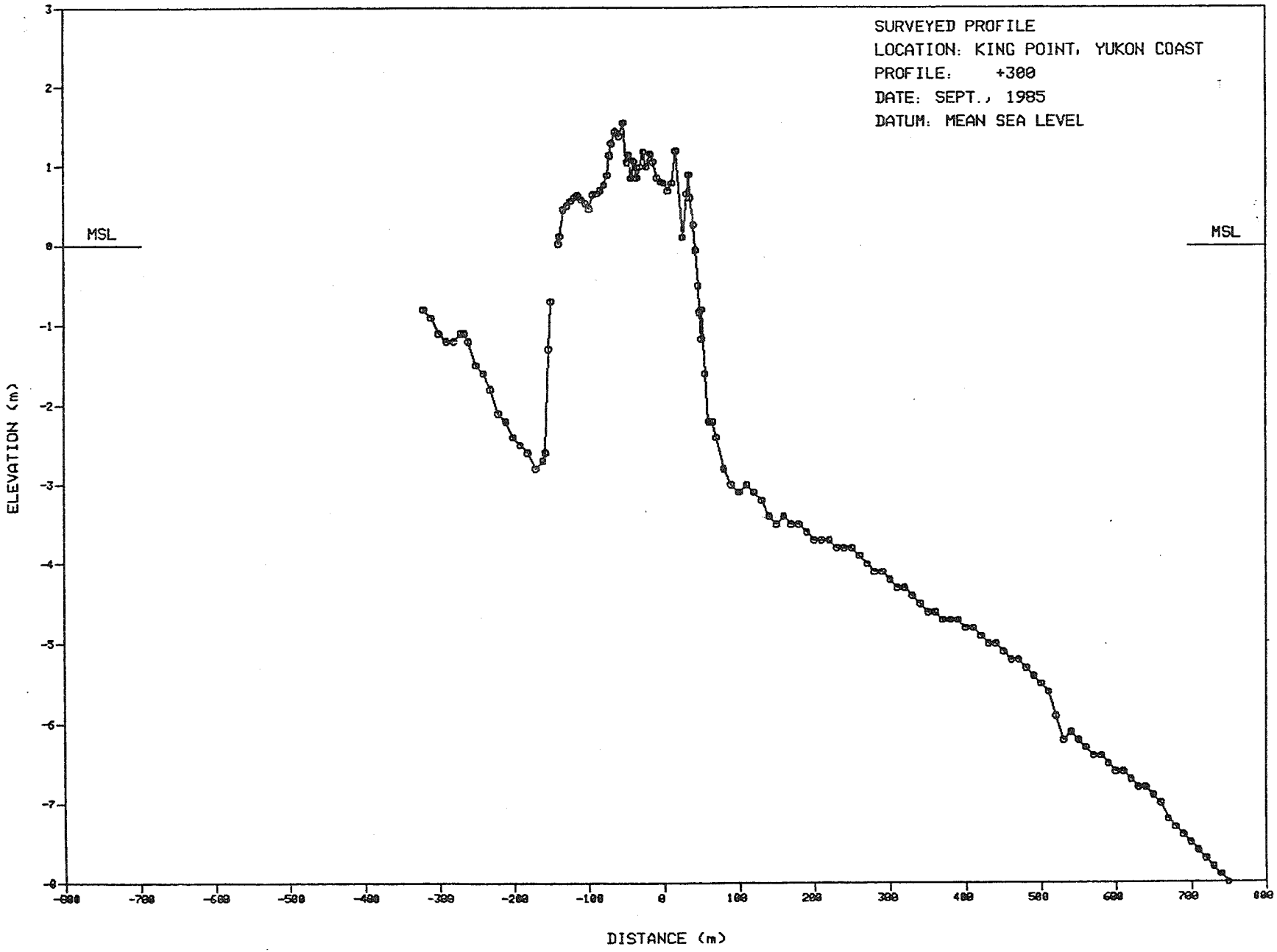
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
750.00	-7.70	70.70	-1.03	-150.00	-0.60
740.00	-7.60	68.00	-0.61	-152.00	-0.80
730.00	-7.60	66.60	-0.29	-154.00	-1.30
720.00	-7.40	63.70	0.00	-156.00	-1.70
710.00	-7.40	61.50	0.35	-158.00	-2.00
700.00	-7.30	60.00	0.15	-160.00	-1.80
690.00	-7.20	54.70	0.40	-170.00	-1.10
680.00	-7.10	52.60	0.54	-176.00	-1.00
670.00	-7.00	51.40	0.78	-180.00	-1.00
660.00	-6.90	49.90	0.80	-183.00	-1.10
650.00	-6.70	48.00	0.88	-191.00	-0.70
640.00	-6.60	41.60	0.42		
630.00	-6.40	39.20	0.21		
620.00	-6.30	34.00	1.04		
610.00	-6.20	30.00	1.02		
600.00	-6.10	26.90	0.98		
590.00	-6.20	21.90	0.98		
580.00	-6.20	16.90	1.02		
570.00	-6.00	11.90	1.16		
560.00	-5.90	8.70	1.35		
550.00	-5.80	6.90	1.19		
540.00	-5.70	0.00	1.19		
530.00	-5.70	-3.10	1.12		
520.00	-5.60	-8.10	0.94		
510.00	-5.50	-13.10	1.09		
500.00	-5.40	-18.10	1.36		
490.00	-5.30	-23.10	1.29		
480.00	-5.20	-28.10	1.47		
476.00	-5.30	-33.10	1.22		
475.00	-5.90	-36.40	1.35		
474.00	-6.00	-43.10	1.15		
470.00	-6.00	-48.10	1.13		
465.00	-5.90	-51.50	1.23		
460.00	-5.60	-56.50	1.10		
458.00	-5.60	-65.60	0.93		
457.00	-5.60	-70.00	1.56		
455.00	-4.90	-74.50	1.30		
452.00	-5.10	-83.20	1.02		
450.00	-5.00	-86.10	0.48		
440.00	-5.00	-91.10	0.43		
430.00	-4.90	-96.10	0.49		
420.00	-4.90	-101.10	0.54		
410.00	-4.90	-106.10	0.53		
400.00	-4.80	-111.10	0.54		
390.00	-4.70	-116.10	0.57		
380.00	-4.60	-121.10	0.59		
370.00	-4.50	-126.10	0.58		
360.00	-4.40	-131.10	0.46		
350.00	-4.30	-136.10	0.35		
340.00	-4.20	-141.10	0.35		
330.00	-4.20	-143.10	0.34		
320.00	-4.10	-147.10	0.04		
310.00	-4.00				
300.00	-3.90				
290.00	-3.70				
280.00	-3.70				
270.00	-3.80				
260.00	-3.80				
250.00	-3.70				
240.00	-3.60				
230.00	-3.50				
220.00	-3.50				
210.00	-3.50				
200.00	-3.40				
190.00	-3.40				
180.00	-3.30				
170.00	-3.30				
160.00	-3.20				
150.00	-3.30				
140.00	-3.40				
130.00	-3.30				
120.00	-3.20				
110.00	-3.00				
100.00	-2.80				
90.00	-2.50				
85.00	-2.40				
79.00	-2.30				
75.00	-1.50				
70.00	-0.60				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +200
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +300
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +300

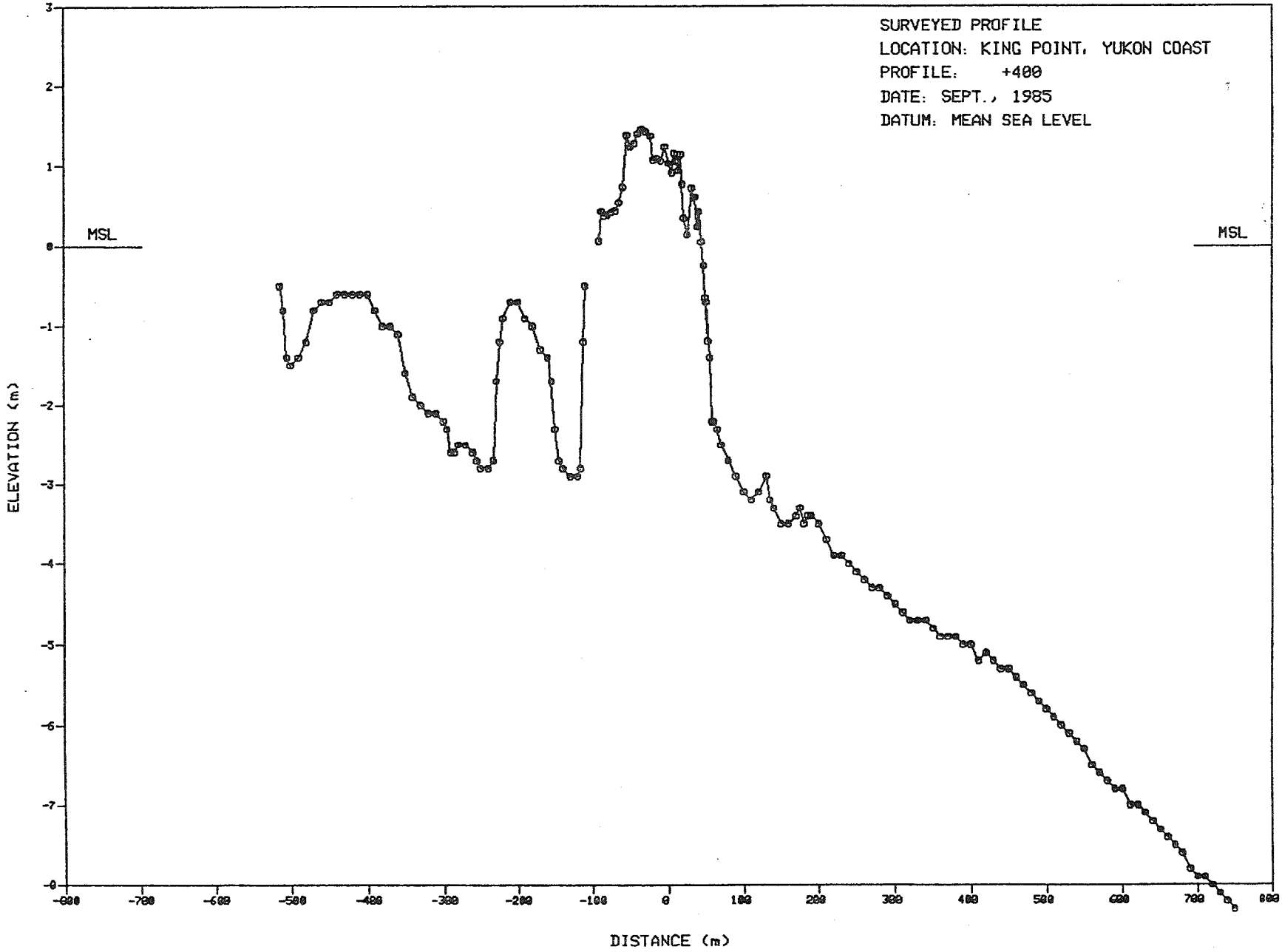
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
750.00	-8.00	50.00	-1.17	-150.00	-0.70
740.00	-7.90	47.40	-0.83	-153.00	-1.30
730.00	-7.80	46.00	-0.50	-157.00	-2.60
720.00	-7.70	42.40	-0.06	-160.00	-2.70
710.00	-7.60	39.50	0.26	-170.00	-2.80
700.00	-7.50	35.00	0.60	-180.00	-2.60
690.00	-7.40	33.00	0.89	-190.00	-2.50
680.00	-7.30	30.50	0.65	-200.00	-2.40
670.00	-7.20	25.00	0.10	-210.00	-2.20
660.00	-7.00	16.20	1.19	-220.00	-2.10
650.00	-6.90	11.20	0.79	-230.00	-1.80
640.00	-6.80	6.20	0.69	-240.00	-1.60
630.00	-6.80	0.00	0.79	-250.00	-1.50
620.00	-6.70	-3.80	0.80	-260.00	-1.20
610.00	-6.60	-8.80	0.85	-265.00	-1.10
600.00	-6.60	-13.80	1.05	-270.00	-1.10
590.00	-6.50	-17.30	1.15	-280.00	-1.20
580.00	-6.40	-22.50	0.99	-290.00	-1.20
570.00	-6.40	-26.40	1.18	-300.00	-1.10
560.00	-6.30	-30.80	0.99	-310.00	-0.90
550.00	-6.20	-34.80	0.85	-321.00	-0.80
540.00	-6.10	-38.80	1.06		
530.00	-6.20	-42.60	0.85		
520.00	-5.90	-46.20	1.14		
510.00	-5.60	-48.80	1.05		
500.00	-5.50	-53.20	1.55		
490.00	-5.40	-58.80	1.38		
480.00	-5.30	-63.80	1.44		
470.00	-5.20	-68.80	1.29		
460.00	-5.20	-71.20	1.14		
450.00	-5.10	-73.80	0.89		
440.00	-5.00	-78.80	0.76		
430.00	-5.00	-83.80	0.69		
420.00	-4.90	-88.80	0.65		
410.00	-4.80	-93.80	0.64		
400.00	-4.80	-98.80	0.46		
390.00	-4.70	-103.80	0.53		
380.00	-4.70	-108.80	0.57		
370.00	-4.70	-113.80	0.63		
360.00	-4.60	-118.80	0.60		
350.00	-4.60	-123.80	0.56		
340.00	-4.50	-128.80	0.50		
330.00	-4.40	-133.80	0.45		
320.00	-4.30	-138.80	0.11		
310.00	-4.30	-139.90	0.02		
300.00	-4.20				
290.00	-4.10				
280.00	-4.10				
270.00	-4.00				
260.00	-3.90				
250.00	-3.80				
240.00	-3.80				
230.00	-3.80				
220.00	-3.70				
210.00	-3.70				
200.00	-3.70				
190.00	-3.60				
180.00	-3.50				
170.00	-3.50				
160.00	-3.40				
150.00	-3.50				
140.00	-3.40				
130.00	-3.20				
120.00	-3.10				
110.00	-3.00				
100.00	-3.10				
90.00	-3.00				
80.00	-2.80				
70.00	-2.40				
65.00	-2.20				
60.00	-2.20				
55.00	-1.60				
50.00	-0.80				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +300
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +400
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +400

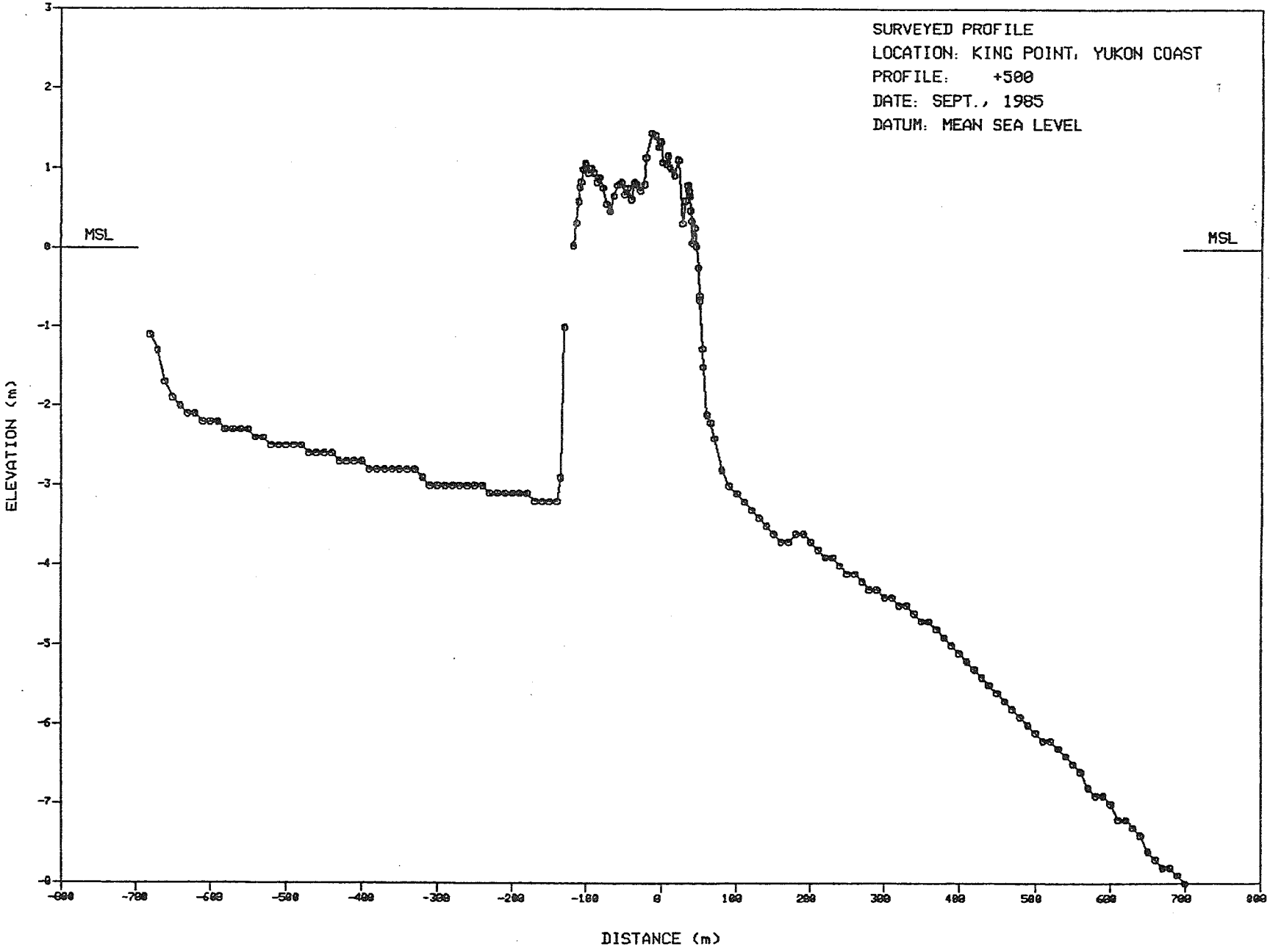
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
750.00	-8.30	52.80	-1.19	-110.00	-0.50
740.00	-8.20	48.70	-0.65	-112.00	-1.20
730.00	-8.10	46.90	-0.24	-116.00	-2.80
720.00	-8.00	43.90	0.05	-120.00	-2.90
710.00	-7.90	40.70	0.43	-130.00	-2.90
700.00	-7.90	37.90	0.24	-140.00	-2.80
690.00	-7.80	34.70	0.61	-145.00	-2.70
680.00	-7.60	33.00	0.60	-150.00	-2.30
670.00	-7.50	30.30	0.72	-155.00	-1.70
660.00	-7.40	25.00	0.14	-160.00	-1.40
650.00	-7.30	20.60	0.35	-170.00	-1.30
640.00	-7.20	18.20	0.77	-180.00	-1.00
630.00	-7.10	16.10	1.14	-190.00	-0.90
620.00	-7.00	13.10	0.94	-200.00	-0.70
610.00	-7.00	10.10	1.06	-210.00	-0.70
600.00	-6.80	8.20	1.15	-220.00	-0.90
590.00	-6.80	5.10	0.91	-224.00	-1.20
580.00	-6.70	0.00	1.03	-228.00	-1.70
570.00	-6.60	-4.90	1.23	-232.00	-2.70
560.00	-6.50	-9.90	1.06	-240.00	-2.80
550.00	-6.30	-14.90	1.09	-250.00	-2.80
540.00	-6.20	-19.90	1.07	-255.00	-2.70
530.00	-6.10	-23.10	1.37	-260.00	-2.60
520.00	-6.00	-29.90	1.43	-270.00	-2.50
510.00	-5.90	-34.90	1.46	-280.00	-2.50
500.00	-5.80	-39.90	1.40	-285.00	-2.60
490.00	-5.70	-44.90	1.28	-290.00	-2.60
480.00	-5.60	-49.90	1.23	-295.00	-2.30
470.00	-5.50	-54.90	1.38	-300.00	-2.20
460.00	-5.40	-59.90	0.73	-310.00	-2.10
450.00	-5.30	-64.90	0.54	-320.00	-2.10
440.00	-5.30	-69.90	0.44	-330.00	-2.00
430.00	-5.20	-74.90	0.42	-340.00	-1.90
420.00	-5.10	-79.90	0.39	-350.00	-1.60
410.00	-5.20	-84.90	0.37	-360.00	-1.10
400.00	-5.00	-88.40	0.43	-370.00	-1.00
390.00	-5.00	-91.70	0.06	-380.00	-1.00
380.00	-4.90			-390.00	-0.80
370.00	-4.90			-400.00	-0.60
360.00	-4.90			-410.00	-0.60
350.00	-4.80			-420.00	-0.60
340.00	-4.70			-430.00	-0.60
330.00	-4.70			-440.00	-0.60
320.00	-4.70			-450.00	-0.70
310.00	-4.60			-460.00	-0.70
300.00	-4.50			-470.00	-0.80
290.00	-4.40			-480.00	-1.20
280.00	-4.30			-490.00	-1.40
270.00	-4.30			-500.00	-1.50
260.00	-4.20			-505.00	-1.40
250.00	-4.10			-510.00	-0.80
240.00	-4.00			-515.00	-0.50
230.00	-3.90				
220.00	-3.90				
210.00	-3.70				
200.00	-3.50				
190.00	-3.40				
185.00	-3.40				
180.00	-3.50				
175.00	-3.30				
170.00	-3.40				
160.00	-3.50				
150.00	-3.50				
140.00	-3.30				
135.00	-3.20				
130.00	-2.90				
120.00	-3.10				
110.00	-3.20				
100.00	-3.10				
90.00	-2.90				
80.00	-2.70				
70.00	-2.50				
65.00	-2.30				
60.00	-2.20				
58.00	-2.20				
55.00	-1.40				
50.00	-0.70				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +400
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +500
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +500

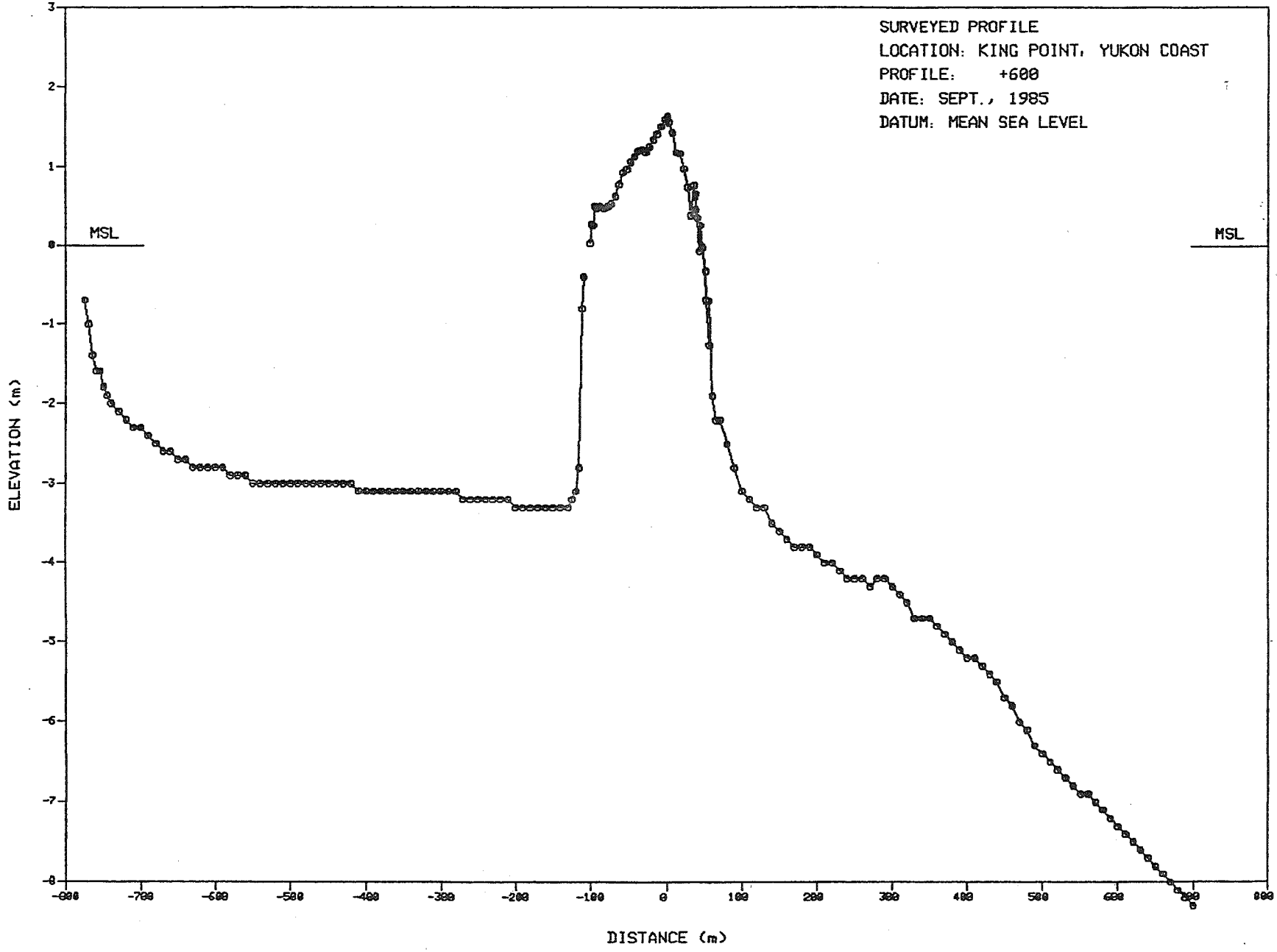
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
700.00	-8.00	54.30	-1.27	-130.00	-1.00
690.00	-7.90	50.60	-0.65	-135.00	-2.90
680.00	-7.80	48.60	-0.24	-140.00	-3.20
670.00	-7.80	46.00	0.03	-150.00	-3.20
660.00	-7.70	43.80	0.26	-160.00	-3.20
650.00	-7.60	40.00	0.07	-170.00	-3.20
640.00	-7.40	38.90	0.35	-180.00	-3.10
630.00	-7.30	37.00	0.48	-190.00	-3.10
620.00	-7.20	36.40	0.66	-200.00	-3.10
610.00	-7.20	34.80	0.73	-210.00	-3.10
600.00	-7.00	33.30	0.80	-220.00	-3.10
590.00	-6.90	30.30	0.60	-230.00	-3.10
580.00	-6.90	26.60	0.32	-240.00	-3.00
570.00	-6.80	21.40	1.11	-250.00	-3.00
560.00	-6.60	15.60	0.92	-260.00	-3.00
550.00	-6.50	10.60	1.01	-270.00	-3.00
540.00	-6.40	7.80	1.16	-280.00	-3.00
530.00	-6.30	5.60	1.06	-290.00	-3.00
520.00	-6.20	0.00	1.08	-300.00	-3.00
510.00	-6.20	-1.70	1.34	-310.00	-3.00
500.00	-6.10	-4.40	1.27	-320.00	-2.90
490.00	-6.00	-9.40	1.42	-330.00	-2.80
480.00	-5.90	-14.40	1.45	-340.00	-2.80
470.00	-5.80	-21.80	1.14	-350.00	-2.80
460.00	-5.70	-23.90	0.81	-360.00	-2.80
450.00	-5.60	-29.40	0.73	-370.00	-2.80
440.00	-5.50	-34.40	0.81	-380.00	-2.80
430.00	-5.40	-37.20	0.83	-390.00	-2.80
420.00	-5.30	-41.70	0.62	-400.00	-2.70
410.00	-5.20	-46.30	0.76	-410.00	-2.70
400.00	-5.10	-50.70	0.68	-420.00	-2.70
390.00	-5.00	-54.40	0.83	-430.00	-2.70
380.00	-4.90	-59.40	0.80	-440.00	-2.60
370.00	-4.80	-64.40	0.66	-450.00	-2.60
360.00	-4.70	-69.40	0.47	-460.00	-2.60
350.00	-4.70	-74.40	0.56	-470.00	-2.60
340.00	-4.60	-79.40	0.76	-480.00	-2.50
330.00	-4.50	-84.40	0.89	-490.00	-2.50
320.00	-4.50	-87.90	0.83	-500.00	-2.50
310.00	-4.40	-92.10	0.95	-510.00	-2.50
300.00	-4.40	-94.40	1.00	-520.00	-2.50
290.00	-4.30	-99.40	0.95	-530.00	-2.40
280.00	-4.30	-102.40	1.06	-540.00	-2.40
270.00	-4.20	-105.40	0.99	-550.00	-2.30
260.00	-4.10	-108.40	0.83	-560.00	-2.30
250.00	-4.10	-110.00	0.77	-570.00	-2.30
240.00	-4.00	-111.70	0.59	-580.00	-2.30
230.00	-3.90	-114.40	0.32	-590.00	-2.20
220.00	-3.90	-117.90	0.03	-600.00	-2.20
210.00	-3.80			-610.00	-2.20
200.00	-3.70			-620.00	-2.10
190.00	-3.60			-630.00	-2.10
180.00	-3.60			-640.00	-2.00
170.00	-3.70			-650.00	-1.90
160.00	-3.70			-660.00	-1.70
150.00	-3.60			-670.00	-1.30
140.00	-3.50			-680.00	-1.10
130.00	-3.40				
120.00	-3.30				
110.00	-3.20				
100.00	-3.10				
90.00	-3.00				
80.00	-2.80				
70.00	-2.40				
65.00	-2.20				
60.00	-2.10				
55.00	-1.50				
50.00	-0.60				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +500
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +600
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +600

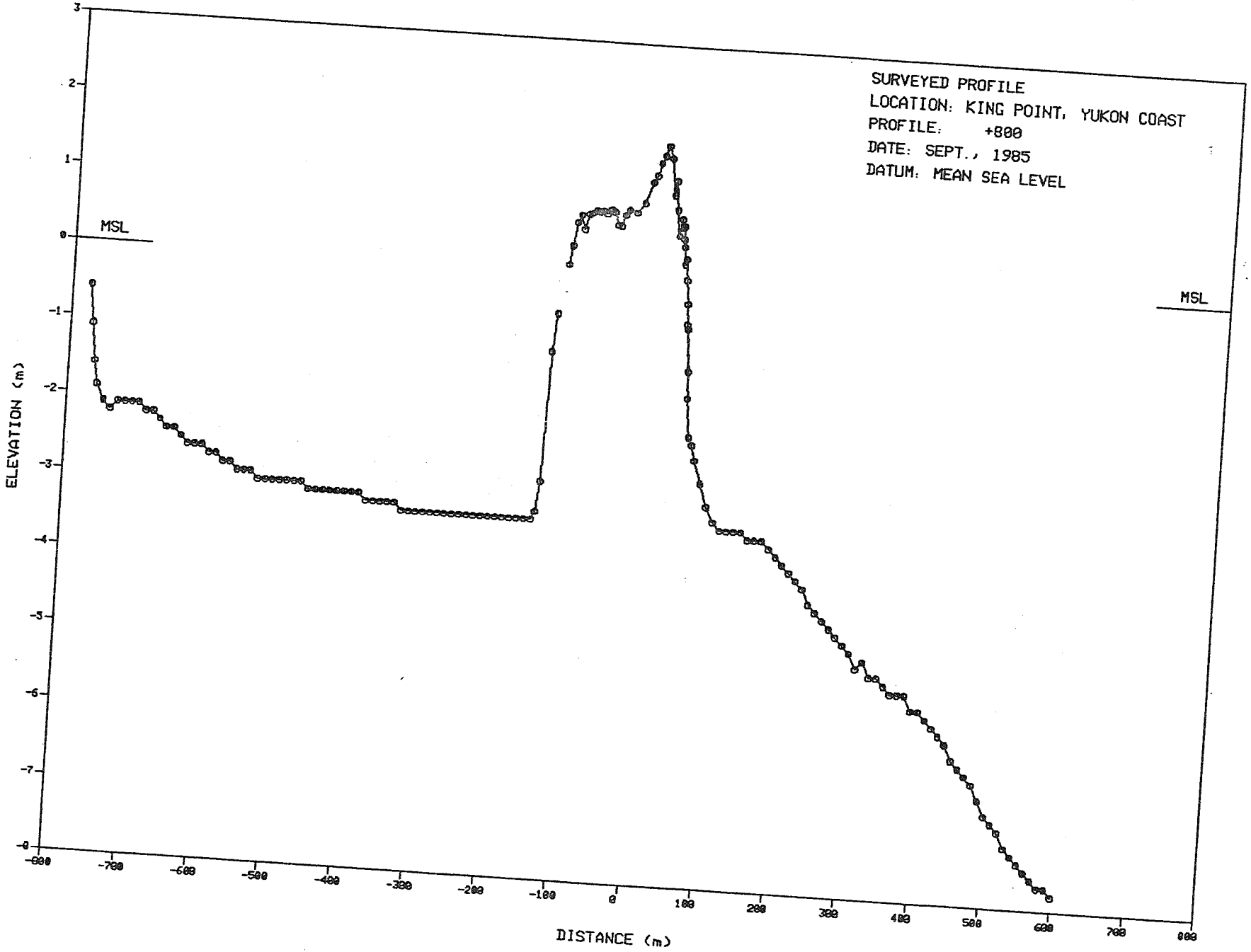
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
700.00	-8.30	55.80	-1.26	-110.00	-0.40
690.00	-8.20	51.40	-0.69	-112.00	-0.80
680.00	-8.10	50.90	-0.32	-116.00	-2.80
670.00	-8.00	46.80	-0.02	-120.00	-3.10
660.00	-7.90	43.50	0.26	-125.00	-3.20
650.00	-7.80	42.50	-0.07	-130.00	-3.30
640.00	-7.70	39.70	0.36	-140.00	-3.30
630.00	-7.60	37.80	0.46	-150.00	-3.30
620.00	-7.50	37.50	0.66	-160.00	-3.30
610.00	-7.40	36.40	0.63	-170.00	-3.30
600.00	-7.30	34.80	0.77	-180.00	-3.30
590.00	-7.20	30.10	0.39	-190.00	-3.30
580.00	-7.10	26.50	0.74	-200.00	-3.30
570.00	-7.00	21.50	0.98	-210.00	-3.20
560.00	-6.90	16.50	1.17	-220.00	-3.20
550.00	-6.90	11.50	1.18	-230.00	-3.20
540.00	-6.80	6.50	1.43	-240.00	-3.20
530.00	-6.70	1.50	1.56	-250.00	-3.20
520.00	-6.60	0.00	1.63	-260.00	-3.20
510.00	-6.50	-3.50	1.60	-270.00	-3.20
500.00	-6.40	-8.50	1.51	-280.00	-3.10
490.00	-6.30	-13.50	1.42	-290.00	-3.10
480.00	-6.10	-18.50	1.34	-300.00	-3.10
470.00	-6.00	-23.50	1.25	-310.00	-3.10
460.00	-5.80	-28.50	1.18	-320.00	-3.10
450.00	-5.70	-33.50	1.22	-330.00	-3.10
440.00	-5.50	-38.50	1.20	-340.00	-3.10
430.00	-5.40	-43.50	1.13	-350.00	-3.10
420.00	-5.30	-48.50	1.06	-360.00	-3.10
410.00	-5.20	-53.50	0.97	-370.00	-3.10
400.00	-5.20	-58.50	0.93	-380.00	-3.10
390.00	-5.10	-63.50	0.78	-390.00	-3.10
380.00	-5.00	-68.50	0.63	-400.00	-3.10
370.00	-4.90	-73.50	0.54	-410.00	-3.10
360.00	-4.80	-78.50	0.50	-420.00	-3.00
350.00	-4.70	-83.50	0.47	-430.00	-3.00
340.00	-4.70	-88.50	0.50	-440.00	-3.00
330.00	-4.70	-93.50	0.48	-450.00	-3.00
320.00	-4.50	-95.80	0.50	-460.00	-3.00
310.00	-4.40	-97.90	0.26	-470.00	-3.00
300.00	-4.30	-99.60	0.27	-480.00	-3.00
290.00	-4.20	-101.40	0.03	-490.00	-3.00
280.00	-4.20			-500.00	-3.00
270.00	-4.30			-510.00	-3.00
260.00	-4.20			-520.00	-3.00
250.00	-4.20			-530.00	-3.00
240.00	-4.20			-540.00	-3.00
230.00	-4.10			-550.00	-3.00
220.00	-4.00			-560.00	-2.90
210.00	-4.00			-570.00	-2.90
200.00	-3.90			-580.00	-2.90
190.00	-3.80			-590.00	-2.80
180.00	-3.80			-600.00	-2.80
170.00	-3.80			-610.00	-2.80
160.00	-3.70			-620.00	-2.80
150.00	-3.60			-630.00	-2.80
140.00	-3.50			-640.00	-2.70
130.00	-3.30			-650.00	-2.70
120.00	-3.30			-660.00	-2.60
110.00	-3.20			-670.00	-2.60
100.00	-3.10			-680.00	-2.50
90.00	-2.80			-690.00	-2.40
80.00	-2.50			-700.00	-2.30
70.00	-2.20			-710.00	-2.30
65.00	-2.20			-720.00	-2.20
60.00	-1.90			-730.00	-2.10
55.00	-0.70			-740.00	-2.00
				-745.00	-1.90
				-750.00	-1.80
				-755.00	-1.60
				-760.00	-1.60
				-765.00	-1.40
				-770.00	-1.00
				-775.00	-0.70


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +600
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +800
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +800

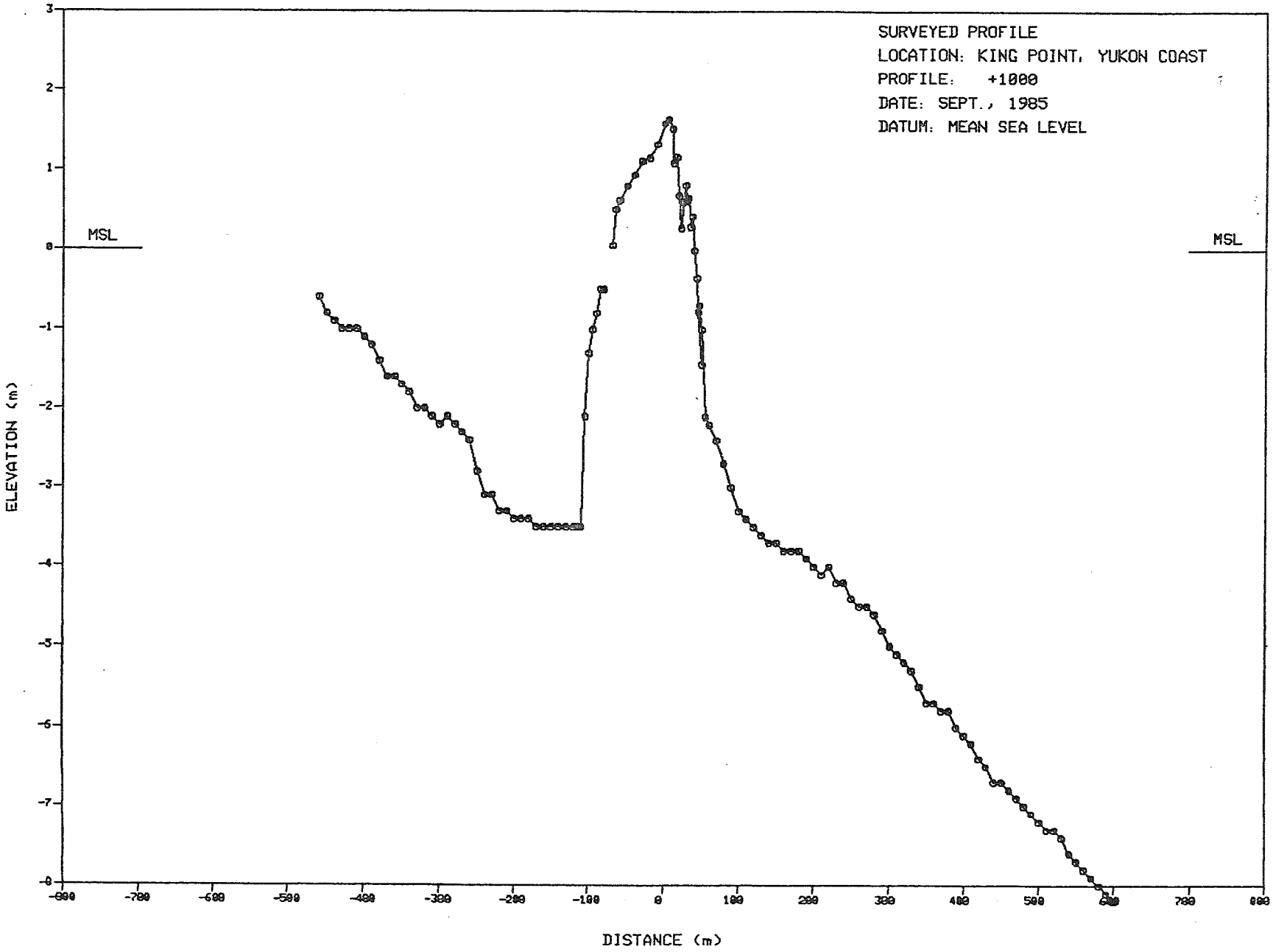
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
600.00	-7.80	54.00	-1.25	-130.00	-0.60
590.00	-7.70	48.90	-0.64	-135.00	-1.10
580.00	-7.70	47.70	-0.37	-140.00	-2.80
570.00	-7.60	44.80	-0.06	-145.00	-3.20
560.00	-7.50	42.20	0.22	-150.00	-3.30
550.00	-7.40	40.60	0.15	-160.00	-3.30
540.00	-7.30	38.70	0.38	-170.00	-3.30
530.00	-7.20	37.40	0.48	-180.00	-3.30
520.00	-7.00	37.20	0.65	-190.00	-3.30
510.00	-6.90	35.60	0.63	-200.00	-3.30
500.00	-6.80	33.70	0.74	-210.00	-3.30
490.00	-6.60	30.00	0.52	-220.00	-3.30
480.00	-6.40	26.00	0.86	-230.00	-3.30
470.00	-6.30	23.10	1.24	-240.00	-3.30
460.00	-6.20	20.70	1.05	-250.00	-3.30
450.00	-6.10	15.00	1.53	-260.00	-3.30
440.00	-5.90	10.00	1.69	-270.00	-3.30
430.00	-5.80	5.00	1.56	-280.00	-3.30
420.00	-5.70	0.00	1.46	-290.00	-3.30
410.00	-5.60	-5.00	1.29	-300.00	-3.30
400.00	-5.50	-10.00	1.20	-310.00	-3.30
390.00	-5.50	-20.00	0.92	-320.00	-3.30
380.00	-5.30	-30.00	0.79	-330.00	-3.30
370.00	-5.30	-40.00	0.82	-340.00	-3.20
360.00	-5.30	-45.00	0.75	-350.00	-3.20
350.00	-5.20	-50.00	0.60	-360.00	-3.20
340.00	-5.10	-55.00	0.61	-370.00	-3.20
330.00	-5.10	-60.00	0.78	-380.00	-3.20
320.00	-4.90	-65.00	0.81	-390.00	-3.10
310.00	-5.00	-70.00	0.75	-400.00	-3.10
300.00	-4.80	-75.00	0.79	-410.00	-3.10
290.00	-4.70	-80.00	0.76	-420.00	-3.10
280.00	-4.60	-85.00	0.79	-430.00	-3.10
270.00	-4.50	-90.00	0.75	-440.00	-3.10
260.00	-4.40	-95.00	0.73	-450.00	-3.10
250.00	-4.30	-100.00	0.53	-460.00	-3.10
240.00	-4.20	-105.00	0.71	-470.00	-3.00
230.00	-4.00	-110.00	0.61	-480.00	-3.00
220.00	-3.90	-115.00	0.30	-490.00	-3.00
210.00	-3.80	-118.50	0.05	-500.00	-3.00
200.00	-3.70			-510.00	-3.00
190.00	-3.60			-520.00	-3.00
180.00	-3.50			-530.00	-3.00
170.00	-3.40			-540.00	-2.90
160.00	-3.40			-550.00	-2.90
150.00	-3.40			-560.00	-2.90
140.00	-3.30			-570.00	-2.80
130.00	-3.30			-580.00	-2.80
120.00	-3.30			-590.00	-2.70
110.00	-3.30			-600.00	-2.70
100.00	-3.20			-610.00	-2.60
90.00	-3.00			-620.00	-2.60
80.00	-2.70			-630.00	-2.60
70.00	-2.40			-640.00	-2.50
65.00	-2.20			-650.00	-2.40
60.00	-2.10			-660.00	-2.40
55.00	-1.60			-670.00	-2.30
50.00	-0.70			-680.00	-2.20
				-690.00	-2.20
				-700.00	-2.10
				-710.00	-2.10
				-720.00	-2.10
				-730.00	-2.10
				-740.00	-2.20
				-750.00	-2.10
				-760.00	-1.90
				-765.00	-1.60
				-770.00	-1.10
				-775.00	-0.60


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +800
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +1000
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +1000

NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
600.00	-8.20	50.00	-1.44	-80.00	-0.50
590.00	-8.10	45.60	-0.78	-85.00	-0.50
580.00	-8.00	43.90	-0.36	-90.00	-0.80
570.00	-7.90	40.20	-0.01	-95.00	-1.00
560.00	-7.80	37.10	0.42	-100.00	-1.30
550.00	-7.70	34.00	0.29	-105.00	-2.10
540.00	-7.60	31.60	0.65	-110.00	-3.50
530.00	-7.40	30.00	0.62	-115.00	-3.50
520.00	-7.30	28.20	0.81	-120.00	-3.50
510.00	-7.30	24.90	0.60	-130.00	-3.50
500.00	-7.20	22.10	0.27	-140.00	-3.50
490.00	-7.10	19.20	0.68	-150.00	-3.50
480.00	-7.00	15.90	1.16	-160.00	-3.50
470.00	-6.90	11.60	1.09	-170.00	-3.50
460.00	-6.80	10.40	1.52	-180.00	-3.40
450.00	-6.70	5.00	1.64	-190.00	-3.40
440.00	-6.70	0.00	1.59	-200.00	-3.40
430.00	-6.50	-10.00	1.32	-210.00	-3.30
420.00	-6.40	-20.00	1.15	-220.00	-3.30
410.00	-6.20	-30.00	1.11	-230.00	-3.10
400.00	-6.10	-40.00	0.94	-240.00	-3.10
390.00	-6.00	-50.00	0.80	-250.00	-2.80
380.00	-5.80	-60.00	0.62	-260.00	-2.40
370.00	-5.80	-64.70	0.51	-270.00	-2.30
360.00	-5.70	-68.60	0.05	-280.00	-2.20
350.00	-5.70			-290.00	-2.10
340.00	-5.50			-300.00	-2.20
330.00	-5.30			-310.00	-2.10
320.00	-5.20			-320.00	-2.00
310.00	-5.10			-330.00	-2.00
300.00	-5.00			-340.00	-1.80
290.00	-4.80			-350.00	-1.70
280.00	-4.60			-360.00	-1.60
270.00	-4.50			-370.00	-1.60
260.00	-4.50			-380.00	-1.40
250.00	-4.40			-390.00	-1.20
240.00	-4.20			-400.00	-1.10
230.00	-4.20			-410.00	-1.00
220.00	-4.00			-420.00	-1.00
210.00	-4.10			-430.00	-1.00
200.00	-4.00			-440.00	-0.90
190.00	-3.90			-450.00	-0.80
180.00	-3.80			-460.00	-0.60
170.00	-3.80				
160.00	-3.80				
150.00	-3.70				
140.00	-3.70				
130.00	-3.60				
120.00	-3.50				
110.00	-3.40				
100.00	-3.30				
90.00	-3.00				
80.00	-2.70				
70.00	-2.40				
60.00	-2.20				
55.00	-2.10				
50.00	-1.00				
47.00	-0.70				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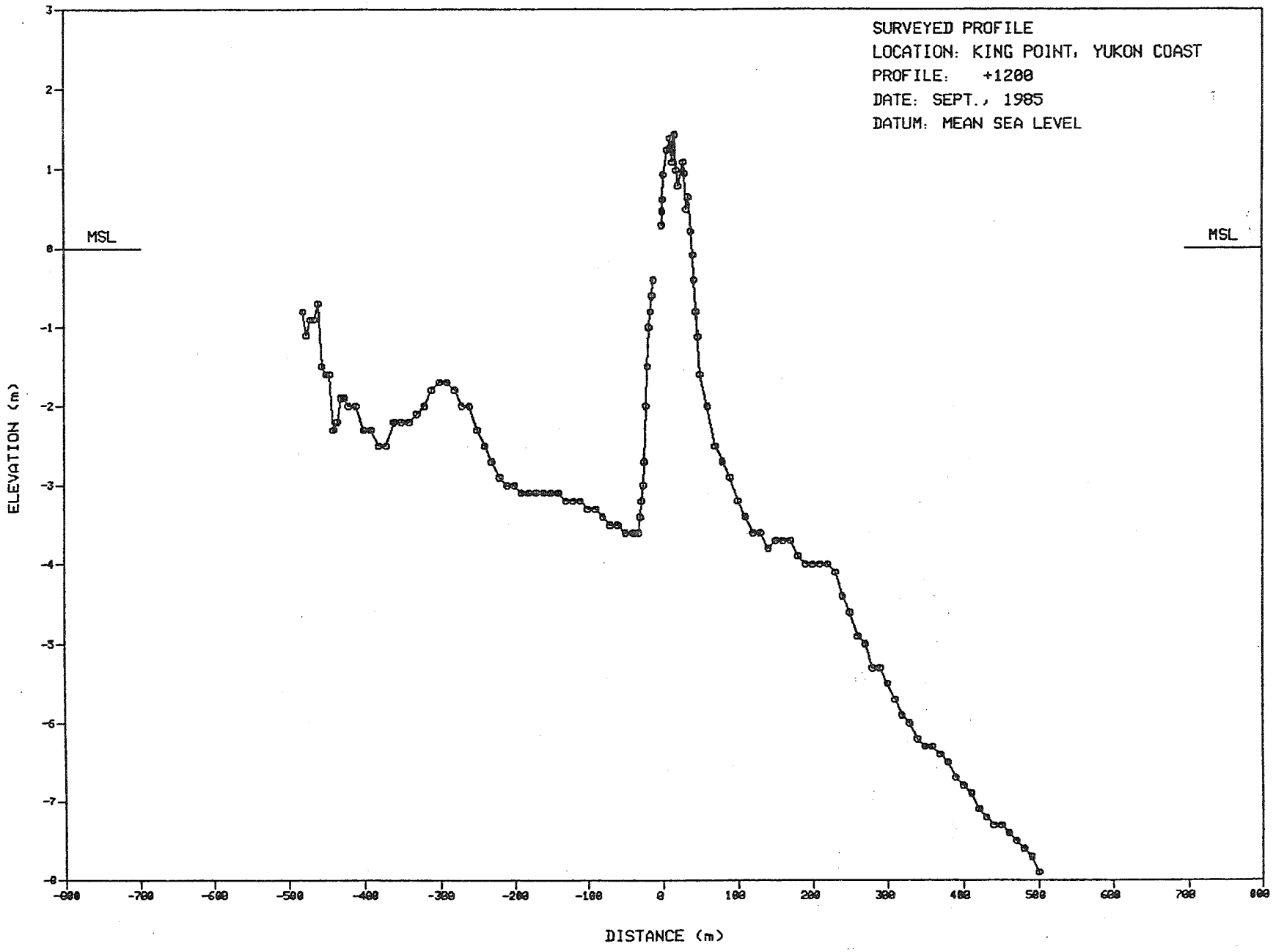
LOCATION: KING POINT, YUKON COAST
PROFILE: +1000
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +1200
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +1200

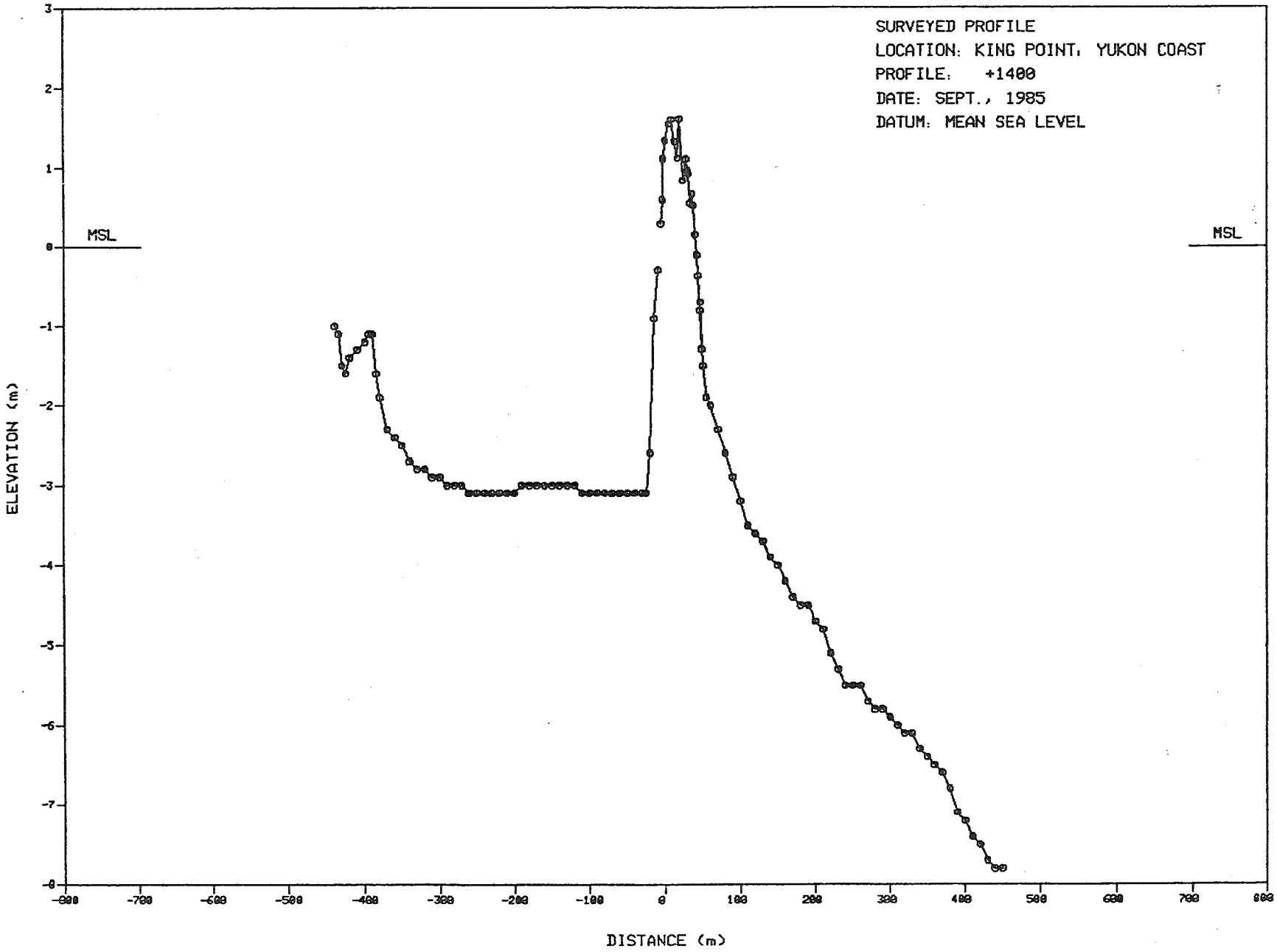
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
500.00	-7.90	47.40	-1.12	-12.00	-0.40
490.00	-7.70	42.40	-0.40	-14.00	-0.60
480.00	-7.60	41.20	-0.09	-16.00	-0.80
470.00	-7.50	38.30	0.21	-18.00	-1.00
460.00	-7.40	34.50	0.64	-20.00	-1.50
450.00	-7.30	32.40	0.49	-22.00	-2.00
440.00	-7.30	30.00	0.94	-24.00	-2.70
430.00	-7.20	28.00	1.08	-26.00	-3.00
420.00	-7.10	21.40	0.78	-28.00	-3.20
410.00	-6.90	19.00	0.98	-30.00	-3.40
400.00	-6.80	16.90	1.43	-32.00	-3.60
390.00	-6.70	14.00	1.08	-36.00	-3.60
380.00	-6.50	11.40	1.38	-40.00	-3.60
370.00	-6.40	6.70	1.23	-50.00	-3.60
360.00	-6.30	1.50	0.92	-60.00	-3.50
350.00	-6.30	0.70	0.61	-70.00	-3.50
340.00	-6.20	0.00	0.46	-80.00	-3.40
330.00	-6.00	-1.10	0.29	-90.00	-3.30
320.00	-5.90			-100.00	-3.30
310.00	-5.70			-110.00	-3.20
300.00	-5.50			-120.00	-3.20
290.00	-5.30			-130.00	-3.20
280.00	-5.30			-140.00	-3.10
270.00	-5.00			-150.00	-3.10
260.00	-4.90			-160.00	-3.10
250.00	-4.60			-170.00	-3.10
240.00	-4.40			-180.00	-3.10
230.00	-4.10			-190.00	-3.10
220.00	-4.00			-200.00	-3.00
210.00	-4.00			-210.00	-3.00
200.00	-4.00			-220.00	-2.90
190.00	-4.00			-230.00	-2.70
180.00	-3.90			-240.00	-2.50
170.00	-3.70			-250.00	-2.30
160.00	-3.70			-260.00	-2.00
150.00	-3.70			-270.00	-2.00
140.00	-3.80			-280.00	-1.80
130.00	-3.60			-290.00	-1.70
120.00	-3.60			-300.00	-1.70
110.00	-3.40			-310.00	-1.80
100.00	-3.20			-320.00	-2.00
90.00	-2.90			-330.00	-2.10
80.00	-2.70			-340.00	-2.20
70.00	-2.50			-350.00	-2.20
60.00	-2.00			-360.00	-2.20
50.00	-1.60			-370.00	-2.50
45.00	-0.80			-380.00	-2.50
				-390.00	-2.30
				-400.00	-2.30
				-410.00	-2.00
				-420.00	-2.00
				-425.00	-1.90
				-430.00	-1.90
				-435.00	-2.20
				-440.00	-2.30
				-445.00	-1.60
				-450.00	-1.60
				-455.00	-1.50
				-460.00	-0.70
				-465.00	-0.90
				-470.00	-0.90
				-475.00	-1.10
				-480.00	-0.80


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +1200
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +1400
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +1400

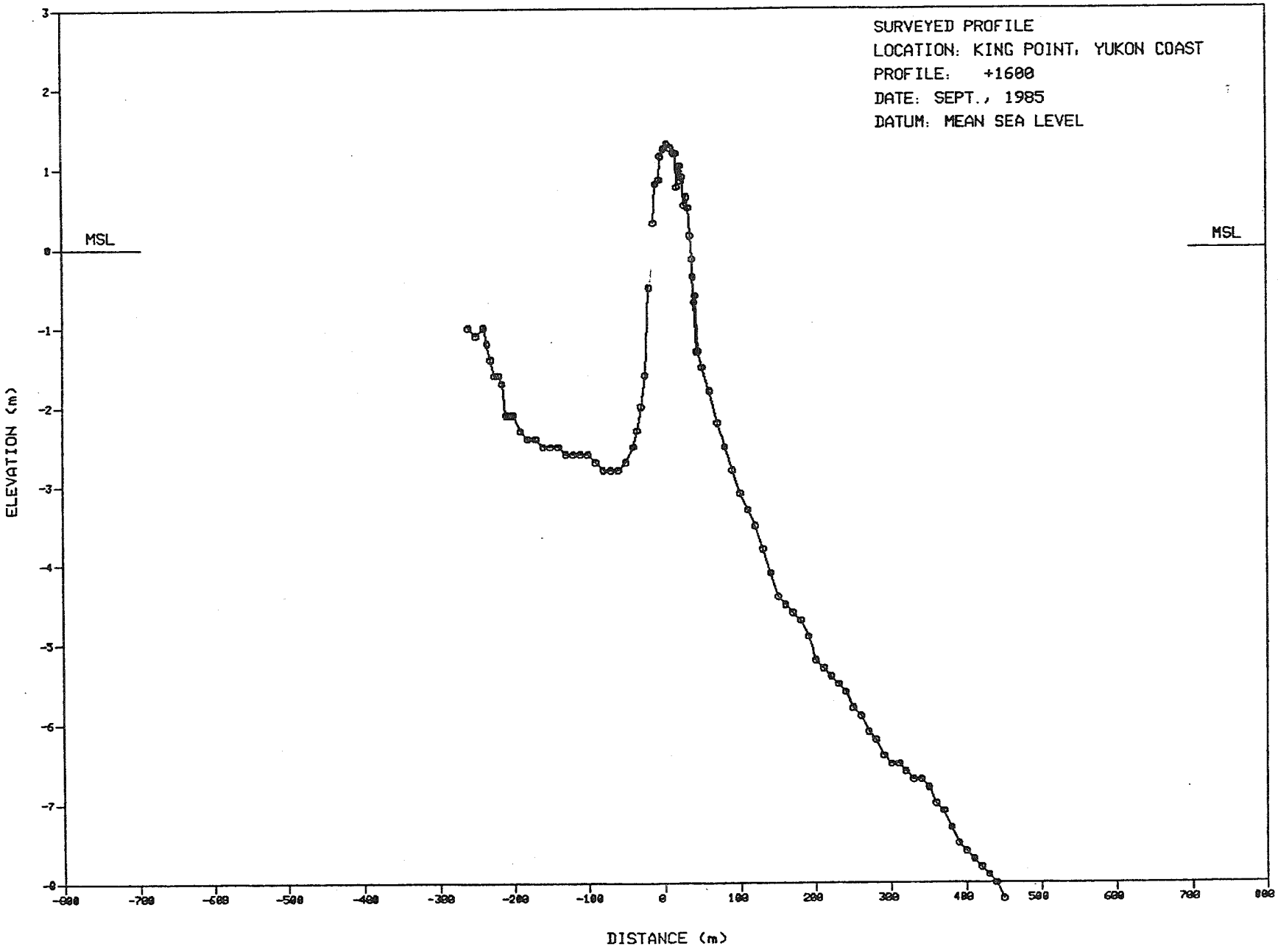
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
450.00	-7.80	48.90	-1.29	-10.00	-0.30
440.00	-7.80	46.30	-0.80	-15.00	-0.90
430.00	-7.70	43.80	-0.37	-20.00	-2.60
420.00	-7.50	42.30	-0.11	-25.00	-3.10
410.00	-7.40	39.80	0.15	-30.00	-3.10
400.00	-7.20	37.30	0.52	-40.00	-3.10
390.00	-7.10	35.10	0.67	-50.00	-3.10
380.00	-6.80	33.40	0.55	-60.00	-3.10
370.00	-6.60	30.80	0.92	-70.00	-3.10
360.00	-6.50	30.00	0.96	-80.00	-3.10
350.00	-6.40	28.00	1.11	-90.00	-3.10
340.00	-6.30	23.50	0.84	-100.00	-3.10
330.00	-6.10	19.00	1.61	-110.00	-3.10
320.00	-6.10	16.70	1.12	-120.00	-3.00
310.00	-6.00	13.00	1.33	-130.00	-3.00
300.00	-5.90	8.20	1.60	-140.00	-3.00
290.00	-5.80	5.00	1.55	-150.00	-3.00
280.00	-5.80	0.00	1.34	-160.00	-3.00
270.00	-5.70	-2.90	1.11	-170.00	-3.00
260.00	-5.50	-4.00	0.59	-180.00	-3.00
250.00	-5.50	-6.10	0.29	-190.00	-3.00
240.00	-5.50			-200.00	-3.10
230.00	-5.30			-210.00	-3.10
220.00	-5.10			-220.00	-3.10
210.00	-4.80			-230.00	-3.10
200.00	-4.70			-240.00	-3.10
190.00	-4.50			-250.00	-3.10
180.00	-4.50			-260.00	-3.10
170.00	-4.40			-270.00	-3.00
160.00	-4.20			-280.00	-3.00
150.00	-4.00			-290.00	-3.00
140.00	-3.90			-300.00	-2.90
130.00	-3.70			-310.00	-2.90
120.00	-3.60			-320.00	-2.80
110.00	-3.50			-330.00	-2.80
100.00	-3.20			-340.00	-2.70
90.00	-2.90			-350.00	-2.50
80.00	-2.60			-360.00	-2.40
70.00	-2.30			-370.00	-2.30
60.00	-2.00			-380.00	-1.90
55.00	-1.90			-385.00	-1.60
50.00	-1.50			-390.00	-1.10
47.00	-0.70			-395.00	-1.10
				-400.00	-1.20
				-410.00	-1.30
				-420.00	-1.40
				-425.00	-1.60
				-430.00	-1.50
				-435.00	-1.10
				-440.00	-1.00


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +1400
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +1600
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +1600

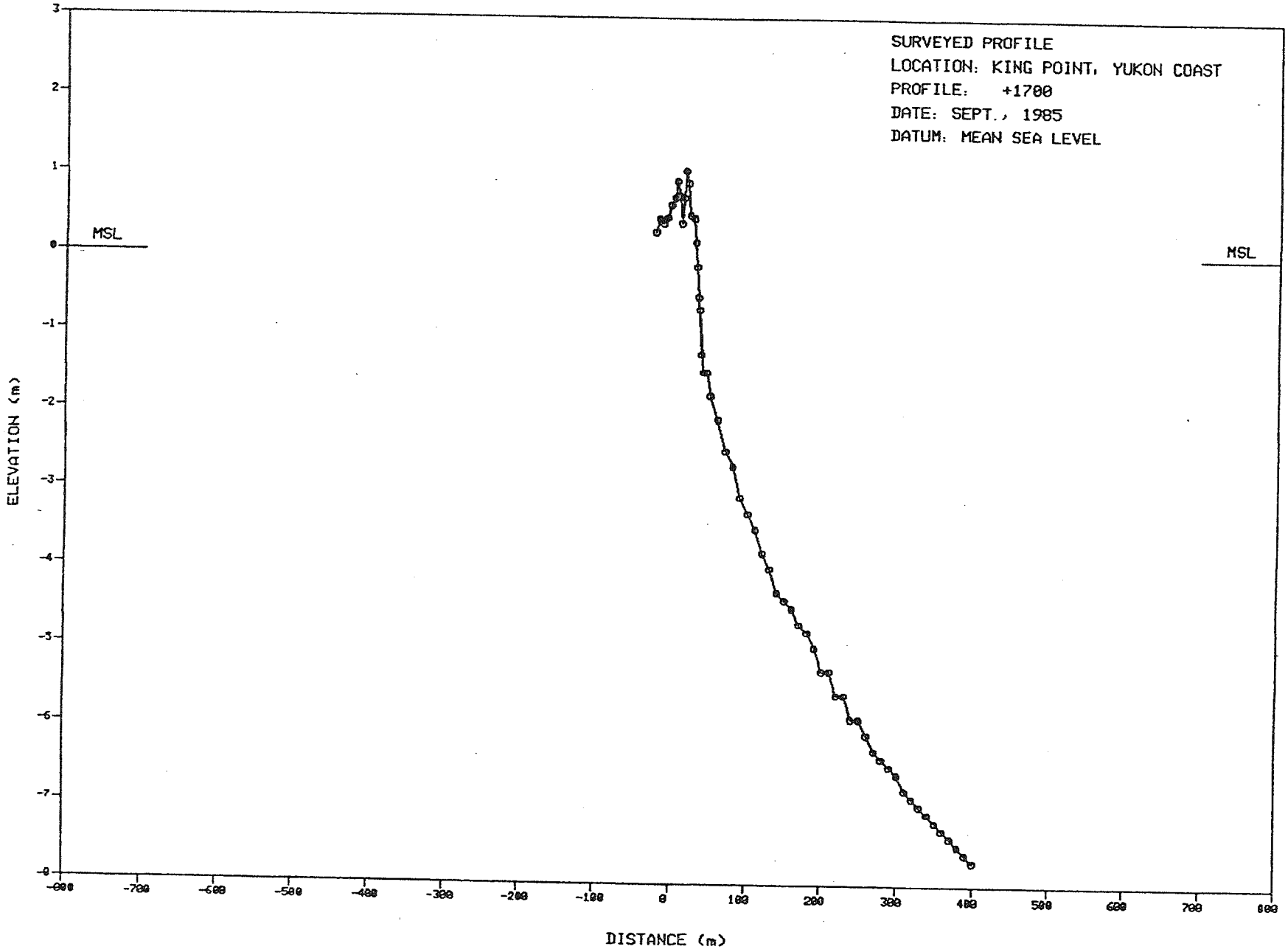
NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
450.00	-8.20	43.40	-1.30	-20.00	-0.50
440.00	-8.00	39.90	-0.68	-25.00	-1.60
430.00	-7.90	37.80	-0.36	-30.00	-2.00
420.00	-7.80	37.10	-0.14	-35.00	-2.30
410.00	-7.70	34.40	0.16	-40.00	-2.50
400.00	-7.60	32.10	0.51	-50.00	-2.70
390.00	-7.50	30.00	0.64	-60.00	-2.80
380.00	-7.30	27.00	0.54	-70.00	-2.80
370.00	-7.10	24.50	0.89	-80.00	-2.80
360.00	-7.00	22.50	0.84	-90.00	-2.70
350.00	-6.80	21.40	1.03	-100.00	-2.60
340.00	-6.70	20.00	0.96	-110.00	-2.60
330.00	-6.70	17.70	0.76	-120.00	-2.60
320.00	-6.60	16.30	1.18	-130.00	-2.60
310.00	-6.50	13.90	1.19	-140.00	-2.50
300.00	-6.50	10.00	1.25	-150.00	-2.50
290.00	-6.40	5.00	1.30	-160.00	-2.50
280.00	-6.20	0.00	1.24	-170.00	-2.40
270.00	-6.10	-4.50	1.15	-180.00	-2.40
260.00	-5.90	-6.40	0.85	-190.00	-2.30
250.00	-5.80	-10.60	0.80	-200.00	-2.10
240.00	-5.60	-13.90	0.32	-205.00	-2.10
230.00	-5.50			-210.00	-2.10
220.00	-5.40			-215.00	-1.70
210.00	-5.30			-220.00	-1.60
200.00	-5.20			-225.00	-1.60
190.00	-4.90			-230.00	-1.40
180.00	-4.70			-235.00	-1.20
170.00	-4.60			-240.00	-1.00
160.00	-4.50			-250.00	-1.10
150.00	-4.40			-260.00	-1.00
140.00	-4.10				
130.00	-3.80				
120.00	-3.50				
110.00	-3.30				
100.00	-3.10				
90.00	-2.80				
80.00	-2.50				
70.00	-2.20				
60.00	-1.80				
50.00	-1.50				
45.00	-1.30				
41.00	-0.60				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +1600
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-800
-700
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600
700
800

SURVEYED PROFILE DATA

LOCATION: KING POINT, YUKON COAST
PROFILE: +1700
DATE: SEPT., 1985
VERTICAL DATUM: MEAN SEA LEVEL
HORIZONTAL DATUM: BASELINE AT +1700

NEARSHORE		BEACH		LAGOON	
DISTANCE	ELEVATION	DISTANCE	ELEVATION	DISTANCE	ELEVATION
400.00	-7.70	37.40	-1.27		
390.00	-7.60	33.00	-0.54		
380.00	-7.50	31.10	-0.15		
370.00	-7.40	28.70	0.16		
360.00	-7.30	26.10	0.46		
350.00	-7.20	20.70	0.50		
340.00	-7.10	18.00	0.91		
330.00	-7.00	15.00	1.06		
320.00	-6.90	12.30	0.72		
310.00	-6.80	9.60	0.40		
300.00	-6.60	6.60	0.74		
290.00	-6.50	3.10	0.93		
280.00	-6.40	0.00	0.72		
270.00	-6.30	-5.00	0.63		
260.00	-6.10	-10.00	0.47		
250.00	-5.90	-15.00	0.40		
240.00	-5.90	-20.00	0.45		
230.00	-5.60	-24.70	0.29		
220.00	-5.60				
210.00	-5.30				
200.00	-5.30				
190.00	-5.00				
180.00	-4.80				
170.00	-4.70				
160.00	-4.50				
150.00	-4.40				
140.00	-4.30				
130.00	-4.00				
120.00	-3.80				
110.00	-3.50				
100.00	-3.30				
90.00	-3.10				
80.00	-2.70				
70.00	-2.50				
60.00	-2.10				
50.00	-1.80				
45.00	-1.50				
40.00	-1.50				
35.00	-0.70				


SURVEYED PROFILE
LOCATION: KING POINT, YUKON COAST
PROFILE: +1700
DATE: SEPT., 1985
DATUM: MEAN SEA LEVEL
MSL
MSL
ELEVATION (m)
DISTANCE (m)

SEDIMENT TEXTURAL ANALYSIS DATA

APPENDIX 2

REFERENCE FOR SAMPLE NUMBERS

Beach Location	Sample Numbers
Beach Foreshore	6 - 43
Mid-Swash	6 - 42 (even numbers)
Berm	11 - 43 (odd numbers)
Shoreface	50 - 88
20 m from shore	50 -67
50 m from shore	71 - 88

2.1 SEDIMENT TEXTURAL ANALYSES (EXCLUDING MUD CONTENT)

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 6 LEO

TOTAL SAMPLE WEIGHT 362.86 grams
SUB-SAMPLE SPLIT WEIGHT 25.08 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	1.07	1.07	0.29	0.29		
4.00	-2.00	0.88	0.88	0.24	0.54		
2.83	-1.50	3.31	3.31	0.91	1.45		
2.00	-1.00	6.63	6.63	1.83	3.28		
1.68	-0.75	0.70	9.79	2.70	5.98		
1.41	-0.50	1.96	27.42	7.56	13.53		
1.19	-0.25	4.04	56.52	15.58	29.11		
1.00	0.00	6.58	92.05	25.37	54.48		
0.84	0.25	7.41	103.66	28.57	83.04		
0.71	0.50	3.50	48.96	13.49	96.54		
0.59	0.75	0.52	7.27	2.00	98.54		
0.50	1.00	0.14	1.96	0.54	99.08		
0.42	1.25	0.07	0.98	0.27	99.35		
0.35	1.50	0.07	0.98	0.27	99.62		
0.30	1.75	0.04	0.56	0.15	99.78		
0.25	2.00	0.02	0.28	0.08	99.85		
0.210	2.25	0.01	0.14	0.04	99.89		
0.177	2.50	0.01	0.14	0.04	99.93		
0.149	2.75	0.01	0.14	0.04	99.97		
0.125	3.00	0.00	0.00	0.00	99.97		
0.105	3.25	0.00	0.00	0.00	99.97		
0.088	3.50	0.00	0.00	0.00	99.97		
0.074	3.75	0.00	0.00	0.00	99.97		
0.0625	4.00	0.00	0.00	0.00	99.97		
<0.0625	Pan	0.00	0.11	0.03	100.00		
Wet sieved mud		0.11					
	TOTAL		362.86	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-0.253	-0.310	-0.308
Deviation	0.554	0.410	0.473
Skewness	-1.363	-0.012	-0.202
Kurtosis	8.033	1.154	1.200
Median		-0.305	
Skewness2		-0.847	
Percent Gravel	3.28		
Percent Sand	96.69		
Percent Mud	0.03		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 7 LEO

TOTAL SAMPLE WEIGHT 658.84 grams
SUB-SAMPLE SPLIT WEIGHT 24.63 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	34.64	34.64	5.26	5.26		
1.68	-0.75	7.05	178.85	27.15	32.40		
1.41	-0.50	9.93	251.92	38.24	70.64		
1.19	-0.25	6.51	165.15	25.07	95.71		
1.00	0.00	1.02	25.88	3.93	99.64		
0.84	0.25	0.08	2.03	0.31	99.94		
0.71	0.50	0.01	0.25	0.04	99.98		
0.59	0.75	0.00	0.00	0.00	99.98		
0.50	1.00	0.00	0.00	0.00	99.98		
0.42	1.25	0.00	0.00	0.00	99.98		
0.35	1.50	0.00	0.00	0.00	99.98		
0.30	1.75	0.00	0.00	0.00	99.98		
0.25	2.00	0.00	0.00	0.00	99.98		
0.210	2.25	0.00	0.00	0.00	99.98		
0.177	2.50	0.00	0.00	0.00	99.98		
0.149	2.75	0.00	0.00	0.00	99.98		
0.125	3.00	0.00	0.00	0.00	99.98		
0.105	3.25	0.00	0.00	0.00	99.98		
0.088	3.50	0.00	0.00	0.00	99.98		
0.074	3.75	0.00	0.00	0.00	99.98		
0.0625	4.00	0.00	0.00	0.00	99.98		
<0.0625	Pan	0.00	0.12	0.02	100.00		
Wet sieved mud		0.12					
	TOTAL		658.84	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-0.929	-1.057	-1.127
Deviation	0.325	0.537	0.476
Skewness	0.534	0.386	0.375
Kurtosis	2.416	0.276	0.675
Median		-1.265	
Skewness2		0.463	
Percent Gravel	5.26		
Percent Sand	94.72		
Percent Mud	0.02		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 8 LED

TOTAL SAMPLE WEIGHT 721.79 grams
SUB-SAMPLE SPLIT WEIGHT 33.61 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	18.81	18.81	2.61	2.61		
4.00	-2.00	181.03	181.03	25.08	27.69		
2.83	-1.50	288.54	288.54	39.98	67.66		
2.00	-1.00	164.93	164.93	22.85	90.51		
1.68	-0.75	18.92	38.52	5.34	95.85		
1.41	-0.50	9.88	20.12	2.79	98.64		
1.19	-0.25	3.72	7.57	1.05	99.69		
1.00	0.00	0.75	1.53	0.21	99.90		
0.84	0.25	0.19	0.39	0.05	99.95		
0.71	0.50	0.04	0.08	0.01	99.96		
0.59	0.75	0.02	0.04	0.01	99.97		
0.50	1.00	0.01	0.02	0.00	99.97		
0.42	1.25	0.01	0.02	0.00	99.97		
0.35	1.50	0.01	0.02	0.00	99.98		
0.30	1.75	0.01	0.02	0.00	99.98		
0.25	2.00	0.01	0.02	0.00	99.98		
0.210	2.25	0.01	0.02	0.00	99.98		
0.177	2.50	0.00	0.00	0.00	99.98		
0.149	2.75	0.00	0.00	0.00	99.98		
0.125	3.00	0.00	0.00	0.00	99.98		
0.105	3.25	0.00	0.00	0.00	99.98		
0.088	3.50	0.00	0.00	0.00	99.98		
0.074	3.75	0.00	0.00	0.00	99.98		
0.0625	4.00	0.00	0.00	0.00	99.98		
<0.0625	Pan	0.00	0.11	0.02	100.00		
Wet sieved mud		0.11					
	TOTAL		721.79	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-1.987	-2.038	-2.089
Deviation	0.445	0.564	0.499
Skewness	0.355	0.274	0.267
Kurtosis	6.066	0.273	0.672
Median		-2.192	
Skewness2		0.330	
Percent Gravel	90.51		
Percent Sand	9.47		
Percent Mud	0.02		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 10

TOTAL SAMPLE WEIGHT 284.04 grams
SUB-SAMPLE SPLIT WEIGHT 24.36 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	39.91	39.91	14.05	14.05		
16.0	-4.00	20.46	20.46	7.20	21.25		
11.3	-3.50	15.01	15.01	5.28	26.54		
8.00	-3.00	51.55	51.55	18.15	44.69		
5.66	-2.50	47.89	47.89	16.86	61.55		
4.00	-2.00	23.91	23.91	8.42	69.97		
2.83	-1.50	21.42	21.42	7.54	77.51		
2.00	-1.00	13.73	13.73	4.83	82.34		
1.68	-0.75	3.26	6.60	2.32	84.66		
1.41	-0.50	2.81	5.69	2.00	86.67		
1.19	-0.25	2.85	5.77	2.03	88.70		
1.00	0.00	2.14	4.33	1.53	90.22		
0.84	0.25	1.59	3.22	1.13	91.36		
0.71	0.50	1.46	2.96	1.04	92.40		
0.59	0.75	1.32	2.67	0.94	93.34		
0.50	1.00	1.13	2.29	0.81	94.14		
0.42	1.25	1.11	2.25	0.79	94.93		
0.35	1.50	1.64	3.32	1.17	96.10		
0.30	1.75	1.49	3.02	1.06	97.16		
0.25	2.00	1.50	3.04	1.07	98.23		
0.210	2.25	0.98	1.98	0.70	98.93		
0.177	2.50	0.65	1.32	0.46	99.40		
0.149	2.75	0.32	0.65	0.23	99.62		
0.125	3.00	0.12	0.24	0.09	99.71		
0.105	3.25	0.08	0.16	0.06	99.77		
0.088	3.50	0.05	0.10	0.04	99.80		
0.074	3.75	0.05	0.10	0.04	99.84		
0.0625	4.00	0.03	0.06	0.02	99.86		
<0.0625	Pan	0.02	0.40	0.14	100.00		
Wet sieved mud		0.36					
	TOTAL		284.04	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.960	-3.006	-3.107
Deviation	1.845	1.646	1.782
Skewness	0.898	0.185	0.263
Kurtosis	3.458	0.922	1.329
Median		-3.310	
Skewness2		0.656	
Percent Gravel	82.34		
Percent Sand	17.52		
Percent Mud	0.14		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 11

TOTAL SAMPLE WEIGHT 1873.91 grams
SUB-SAMPLE SPLIT WEIGHT 1.46 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	73.00	73.00	3.90	3.90		
22.6	-4.50	244.18	244.18	13.03	16.93		
16.0	-4.00	92.20	92.20	4.92	21.85		
11.3	-3.50	145.52	145.52	7.77	29.61		
8.00	-3.00	280.34	280.34	14.96	44.57		
5.66	-2.50	506.96	506.96	27.05	71.62		
4.00	-2.00	363.91	363.91	19.42	91.04		
2.83	-1.50	162.67	162.67	8.68	99.72		
2.00	-1.00	3.45	3.45	0.18	99.91		
1.68	-0.75	0.05	0.05	0.00	99.91		
1.41	-0.50	0.02	0.02	0.00	99.91		
1.19	-0.25	0.05	0.05	0.00	99.91		
1.00	0.00	0.08	0.08	0.00	99.92		
0.84	0.25	0.10	0.10	0.01	99.92		
0.71	0.50	0.19	0.18	0.01	99.93		
0.59	0.75	0.18	0.17	0.01	99.94		
0.50	1.00	0.15	0.15	0.01	99.95		
0.42	1.25	0.13	0.13	0.01	99.96		
0.35	1.50	0.17	0.16	0.01	99.96		
0.30	1.75	0.13	0.13	0.01	99.97		
0.25	2.00	0.12	0.12	0.01	99.98		
0.210	2.25	0.06	0.06	0.00	99.98		
0.177	2.50	0.05	0.05	0.00	99.98		
0.149	2.75	0.03	0.03	0.00	99.98		
0.125	3.00	0.00	0.00	0.00	99.98		
0.105	3.25	0.00	0.00	0.00	99.98		
0.088	3.50	0.00	0.00	0.00	99.98		
0.074	3.75	0.00	0.00	0.00	99.98		
0.0625	4.00	0.00	0.00	0.00	99.98		
<0.0625	Pan	0.00	0.29	0.02	100.00		
Wet sieved mud		0.29					
	TOTAL		1873.98	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.442	-3.656	-3.568
Deviation	1.044	1.166	1.076
Skewness	-0.293	-0.226	-0.264
Kurtosis	2.290	0.395	0.826
Median		-3.392	
Skewness2		-0.422	
Percent Gravel	99.91		
Percent Sand	0.08		
Percent Mud	0.02		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 12

TOTAL SAMPLE WEIGHT 388.29 grams
SUB-SAMPLE SPLIT WEIGHT 29.58 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	116.57	116.57	30.02	30.02		
11.3	-3.50	63.68	63.68	16.40	46.42		
8.00	-3.00	45.25	45.25	11.65	58.08		
5.66	-2.50	53.43	53.43	13.76	71.84		
4.00	-2.00	44.75	44.75	11.53	83.36		
2.83	-1.50	19.73	19.73	5.08	88.44		
2.00	-1.00	15.15	15.15	3.90	92.35		
1.68	-0.75	7.10	7.11	1.83	94.18		
1.41	-0.50	6.02	6.03	1.55	95.73		
1.19	-0.25	5.17	5.18	1.33	97.06		
1.00	0.00	3.03	3.03	0.78	97.84		
0.84	0.25	1.63	1.63	0.42	98.26		
0.71	0.50	1.09	1.09	0.28	98.55		
0.59	0.75	0.82	0.82	0.21	98.76		
0.50	1.00	0.69	0.69	0.18	98.93		
0.42	1.25	0.60	0.60	0.15	99.09		
0.35	1.50	0.92	0.92	0.24	99.33		
0.30	1.75	0.77	0.77	0.20	99.53		
0.25	2.00	0.74	0.74	0.19	99.72		
0.210	2.25	0.44	0.44	0.11	99.83		
0.177	2.50	0.28	0.28	0.07	99.90		
0.149	2.75	0.12	0.12	0.03	99.93		
0.125	3.00	0.05	0.05	0.01	99.95		
0.105	3.25	0.03	0.03	0.01	99.95		
0.088	3.50	0.02	0.02	0.01	99.96		
0.074	3.75	0.01	0.01	0.00	99.96		
0.0625	4.00	0.01	0.01	0.00	99.96		
<0.0625	Pan	0.00	0.14	0.04	100.00		
Wet sieved mud		0.14					
	TOTAL		388.28	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.054	-3.430	-3.504
Deviation	1.160	1.111	1.077
Skewness	1.578	0.202	0.302
Kurtosis	6.200	0.549	0.791
Median		-3.654	
Skewness2		0.622	
Percent Gravel	92.35		
Percent Sand	7.62		
Percent Mud	0.04		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 13

TOTAL SAMPLE WEIGHT 308.02 grams
SUB-SAMPLE SPLIT WEIGHT 23.73 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	59.03	59.03	19.16	19.16		
16.0	-4.00	46.30	46.30	15.03	34.20		
11.3	-3.50	45.33	45.33	14.72	48.91		
8.00	-3.00	17.57	17.57	5.70	54.62		
5.66	-2.50	18.93	18.93	6.15	60.76		
4.00	-2.00	18.86	18.86	6.12	66.89		
2.83	-1.50	6.41	6.41	2.08	68.97		
2.00	-1.00	1.57	1.57	0.51	69.48		
1.68	-0.75	0.12	0.47	0.15	69.63		
1.41	-0.50	0.24	0.95	0.31	69.94		
1.19	-0.25	0.52	2.05	0.67	70.60		
1.00	0.00	0.85	3.35	1.09	71.69		
0.84	0.25	1.04	4.10	1.33	73.02		
0.71	0.50	1.45	5.72	1.86	74.88		
0.59	0.75	1.77	6.98	2.27	77.15		
0.50	1.00	2.10	8.29	2.69	79.84		
0.42	1.25	2.53	9.98	3.24	83.08		
0.35	1.50	4.12	16.26	5.28	88.36		
0.30	1.75	3.87	15.27	4.96	93.32		
0.25	2.00	3.25	12.82	4.16	97.48		
0.210	2.25	1.35	5.33	1.73	99.21		
0.177	2.50	0.42	1.66	0.54	99.75		
0.149	2.75	0.08	0.32	0.10	99.85		
0.125	3.00	0.02	0.08	0.03	99.88		
0.105	3.25	0.01	0.04	0.01	99.89		
0.088	3.50	0.01	0.04	0.01	99.90		
0.074	3.75	0.01	0.04	0.01	99.92		
0.0625	4.00	0.01	0.04	0.01	99.93		
<0.0625	Pan	0.00	0.22	0.07	100.00		
Wet sieved mud		0.22					
	TOTAL		308.02	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.757	-1.963	-2.538
Deviation	2.509	2.953	2.552
Skewness	0.795	0.585	0.539
Kurtosis	2.021	0.202	0.597
Median		-3.690	
Skewness2		0.593	
Percent Gravel	69.48		
Percent Sand	30.45		
Percent Mud	0.07		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 14

TOTAL SAMPLE WEIGHT 291.21 grams
SUB-SAMPLE SPLIT WEIGHT 34.67 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	7.78	7.78	2.67	2.67		
8.00	-3.00	13.20	13.20	4.53	7.20		
5.66	-2.50	26.99	26.99	9.27	16.47		
4.00	-2.00	34.06	34.06	11.70	28.17		
2.83	-1.50	65.44	65.44	22.47	50.64		
2.00	-1.00	78.12	78.12	26.83	77.47		
1.68	-0.75	14.04	26.54	9.11	86.58		
1.41	-0.50	8.67	16.39	5.63	92.21		
1.19	-0.25	4.81	9.09	3.12	95.33		
1.00	0.00	1.74	3.29	1.13	96.46		
0.84	0.25	0.75	1.42	0.49	96.95		
0.71	0.50	0.59	1.12	0.38	97.33		
0.59	0.75	0.49	0.93	0.32	97.65		
0.50	1.00	0.47	0.89	0.31	97.95		
0.42	1.25	0.41	0.78	0.27	98.22		
0.35	1.50	0.61	1.15	0.40	98.62		
0.30	1.75	0.51	0.96	0.33	98.95		
0.25	2.00	0.50	0.95	0.32	99.27		
0.210	2.25	0.33	0.62	0.21	99.48		
0.177	2.50	0.31	0.59	0.20	99.69		
0.149	2.75	0.20	0.38	0.13	99.82		
0.125	3.00	0.09	0.17	0.06	99.87		
0.105	3.25	0.06	0.11	0.04	99.91		
0.088	3.50	0.04	0.08	0.03	99.94		
0.074	3.75	0.02	0.04	0.01	99.95		
0.0625	4.00	0.01	0.02	0.01	99.96		
<0.0625	Pan	0.00	0.12	0.04	100.00		
Wet sieved mud		0.12					
	TOTAL		291.21	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.035	-2.061	-1.967
Deviation	1.084	0.741	0.855
Skewness	0.966	-0.300	-0.267
Kurtosis	5.793	1.158	1.161
Median		-1.779	
Skewness2		-0.331	
Percent Gravel	77.47		
Percent Sand	22.49		
Percent Mud	0.04		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 15

TOTAL SAMPLE WEIGHT 322.05 grams
SUB-SAMPLE SPLIT WEIGHT 34.41 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	63.48	63.48	19.71	19.71		
16.0	-4.00	7.43	7.43	2.31	22.02		
11.3	-3.50	25.86	25.86	8.03	30.05		
8.00	-3.00	8.48	8.48	2.63	32.68		
5.66	-2.50	12.31	12.31	3.82	36.50		
4.00	-2.00	19.77	19.77	6.14	42.64		
2.83	-1.50	17.08	17.08	5.30	47.95		
2.00	-1.00	19.93	19.93	6.19	54.13		
1.68	-0.75	2.18	9.36	2.91	57.04		
1.41	-0.50	3.06	13.14	4.08	61.12		
1.19	-0.25	4.78	20.52	6.37	67.49		
1.00	0.00	4.63	19.88	6.17	73.67		
0.84	0.25	3.41	14.64	4.55	78.21		
0.71	0.50	3.48	14.94	4.64	82.85		
0.59	0.75	3.44	14.77	4.59	87.44		
0.50	1.00	2.85	12.24	3.80	91.24		
0.42	1.25	2.21	9.49	2.95	94.18		
0.35	1.50	2.23	9.57	2.97	97.16		
0.30	1.75	1.21	5.20	1.61	98.77		
0.25	2.00	0.59	2.53	0.79	99.56		
0.210	2.25	0.17	0.73	0.23	99.78		
0.177	2.50	0.08	0.34	0.11	99.89		
0.149	2.75	0.02	0.09	0.03	99.92		
0.125	3.00	0.01	0.04	0.01	99.93		
0.105	3.25	0.01	0.04	0.01	99.94		
0.088	3.50	0.01	0.04	0.01	99.96		
0.074	3.75	0.00	0.00	0.00	99.96		
0.0625	4.00	0.00	0.00	0.00	99.96		
<0.0625	Pan	0.00	0.14	0.04	100.00		
Wet sieved mud		0.14					
	TOTAL		322.05	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.505	-2.311	-2.094
Deviation	2.324	2.627	2.308
Skewness	0.274	-0.248	-0.209
Kurtosis	1.538	0.248	0.647
Median		-1.659	
Skewness2		-0.212	
Percent Gravel	54.13		
Percent Sand	45.82		
Percent Mud	0.04		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 16

TOTAL SAMPLE WEIGHT 710.32 grams
SUB-SAMPLE SPLIT WEIGHT 7.05 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	132.62	132.62	18.67	18.67		
22.6	-4.50	96.00	96.00	13.52	32.19		
16.0	-4.00	76.98	76.98	10.84	43.02		
11.3	-3.50	97.86	97.86	13.78	56.80		
8.00	-3.00	121.31	121.31	17.08	73.88		
5.66	-2.50	127.21	127.21	17.91	91.79		
4.00	-2.00	42.33	42.33	5.96	97.75		
2.83	-1.50	5.99	5.99	0.84	98.59		
2.00	-1.00	2.89	2.89	0.41	99.00		
1.68	-0.75	1.48	1.47	0.21	99.20		
1.41	-0.50	1.12	1.11	0.16	99.36		
1.19	-0.25	1.09	1.08	0.15	99.51		
1.00	0.00	0.76	0.75	0.11	99.62		
0.84	0.25	0.59	0.59	0.08	99.70		
0.71	0.50	0.51	0.51	0.07	99.77		
0.59	0.75	0.42	0.42	0.06	99.83		
0.50	1.00	0.30	0.30	0.04	99.87		
0.42	1.25	0.20	0.20	0.03	99.90		
0.35	1.50	0.22	0.22	0.03	99.93		
0.30	1.75	0.15	0.15	0.02	99.95		
0.25	2.00	0.12	0.12	0.02	99.97		
0.210	2.25	0.06	0.06	0.01	99.98		
0.177	2.50	0.05	0.05	0.01	99.98		
0.149	2.75	0.03	0.03	0.00	99.99		
0.125	3.00	0.00	0.00	0.00	99.99		
0.105	3.25	0.00	0.00	0.00	99.99		
0.088	3.50	0.00	0.00	0.00	99.99		
0.074	3.75	0.00	0.00	0.00	99.99		
0.0625	4.00	0.00	0.00	0.00	99.99		
<0.0625	Pan	0.00	0.08	0.01	100.00		
Wet sieved mud		0.08					
	TOTAL		710.32	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.833	-4.310	-4.288
Deviation	0.964	1.125	1.040
Skewness	0.472	-0.059	0.024
Kurtosis	4.207	0.401	0.695
Median		-4.244	
Skewness2		0.150	
Percent Gravel	99.00		
Percent Sand	0.99		
Percent Mud	0.01		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 17

TOTAL SAMPLE WEIGHT 2182.73 grams
SUB-SAMPLE SPLIT WEIGHT 0.38 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	170.04	170.04	7.79	7.79		
22.6	-4.50	90.99	90.99	4.17	11.96		
16.0	-4.00	218.64	218.64	10.02	21.98		
11.3	-3.50	255.05	255.05	11.68	33.66		
8.00	-3.00	414.95	414.95	19.01	52.67		
5.66	-2.50	471.96	471.96	21.62	74.29		
4.00	-2.00	324.26	324.26	14.86	89.15		
2.83	-1.50	227.91	227.91	10.44	99.59		
2.00	-1.00	8.39	8.39	0.38	99.97		
1.68	-0.75	0.05	0.05	0.00	99.98		
1.41	-0.50	0.06	0.06	0.00	99.98		
1.19	-0.25	0.04	0.04	0.00	99.98		
1.00	0.00	0.02	0.02	0.00	99.98		
0.84	0.25	0.02	0.02	0.00	99.98		
0.71	0.50	0.02	0.02	0.00	99.98		
0.59	0.75	0.03	0.03	0.00	99.98		
0.50	1.00	0.03	0.03	0.00	99.99		
0.42	1.25	0.02	0.02	0.00	99.99		
0.35	1.50	0.02	0.02	0.00	99.99		
0.30	1.75	0.02	0.02	0.00	99.99		
0.25	2.00	0.02	0.02	0.00	99.99		
0.210	2.25	0.01	0.01	0.00	99.99		
0.177	2.50	0.01	0.01	0.00	99.99		
0.149	2.75	0.01	0.01	0.00	99.99		
0.125	3.00	0.00	0.00	0.00	99.99		
0.105	3.25	0.00	0.00	0.00	99.99		
0.088	3.50	0.01	0.01	0.00	99.99		
0.074	3.75	0.00	0.00	0.00	99.99		
0.0625	4.00	0.00	0.00	0.00	99.99		
<0.0625	Pan	0.00	0.20	0.01	100.00		
Wet sieved mud		0.20					
	TOTAL		2182.77	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.199	-3.566	-3.536
Deviation	0.914	1.057	1.030
Skewness	-0.318	-0.085	-0.153
Kurtosis	2.603	0.564	0.844
Median		-3.476	
Skewness2		-0.348	
Percent Gravel	99.97		
Percent Sand	0.02		
Percent Mud	0.01		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 18

TOTAL SAMPLE WEIGHT 1847.90 grams
SUB-SAMPLE SPLIT WEIGHT 4.04 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	120.20	120.20	6.50	6.50		
16.0	-4.00	188.04	188.04	10.17	16.68		
11.3	-3.50	206.34	206.34	11.17	27.84		
8.00	-3.00	342.46	342.46	18.53	46.37		
5.66	-2.50	424.30	424.30	22.96	69.33		
4.00	-2.00	357.41	357.41	19.34	88.67		
2.83	-1.50	166.42	166.42	9.01	97.68		
2.00	-1.00	38.64	38.64	2.09	99.77		
1.68	-0.75	1.86	1.85	0.10	99.87		
1.41	-0.50	1.02	1.01	0.05	99.92		
1.19	-0.25	0.42	0.42	0.02	99.95		
1.00	0.00	0.14	0.14	0.01	99.95		
0.84	0.25	0.04	0.04	0.00	99.96		
0.71	0.50	0.04	0.04	0.00	99.96		
0.59	0.75	0.03	0.03	0.00	99.96		
0.50	1.00	0.03	0.03	0.00	99.96		
0.42	1.25	0.04	0.04	0.00	99.96		
0.35	1.50	0.10	0.10	0.01	99.97		
0.30	1.75	0.11	0.11	0.01	99.98		
0.25	2.00	0.11	0.11	0.01	99.98		
0.210	2.25	0.06	0.06	0.00	99.98		
0.177	2.50	0.05	0.05	0.00	99.99		
0.149	2.75	0.02	0.02	0.00	99.99		
0.125	3.00	0.00	0.00	0.00	99.99		
0.105	3.25	0.00	0.00	0.00	99.99		
0.088	3.50	0.00	0.00	0.00	99.99		
0.074	3.75	0.00	0.00	0.00	99.99		
0.0625	4.00	0.00	0.00	0.00	99.99		
<0.0625	Pan	0.00	0.22	0.01	100.00		
Wet sieved mud		0.22					
	TOTAL		1848.07	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.301	-3.446	-3.424
Deviation	0.956	1.003	0.946
Skewness	-0.287	-0.065	-0.078
Kurtosis	2.661	0.462	0.875
Median		-3.381	
Skewness2		-0.134	
Percent Gravel	99.77		
Percent Sand	0.22		
Percent Mud	0.01		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 19

TOTAL SAMPLE WEIGHT 311.19 grams
SUB-SAMPLE SPLIT WEIGHT 19.85 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	18.45	18.45	5.93	5.93		
8.00	-3.00	14.01	14.01	4.50	10.43		
5.66	-2.50	19.73	19.73	6.34	16.77		
4.00	-2.00	34.28	34.28	11.02	27.79		
2.83	-1.50	77.78	77.78	24.99	52.78		
2.00	-1.00	63.90	63.90	20.53	73.32		
1.68	-0.75	3.91	16.37	5.26	78.58		
1.41	-0.50	2.81	11.77	3.78	82.36		
1.19	-0.25	2.53	10.60	3.40	85.76		
1.00	0.00	2.53	10.60	3.40	89.17		
0.84	0.25	2.46	10.30	3.31	92.48		
0.71	0.50	2.38	9.97	3.20	95.68		
0.59	0.75	1.67	6.99	2.25	97.93		
0.50	1.00	0.89	3.73	1.20	99.13		
0.42	1.25	0.38	1.59	0.51	99.64		
0.35	1.50	0.20	0.84	0.27	99.91		
0.30	1.75	0.04	0.17	0.05	99.96		
0.25	2.00	0.01	0.04	0.01	99.97		
0.210	2.25	0.00	0.00	0.00	99.97		
0.177	2.50	0.00	0.00	0.00	99.97		
0.149	2.75	0.00	0.00	0.00	99.97		
0.125	3.00	0.00	0.00	0.00	99.97		
0.105	3.25	0.00	0.00	0.00	99.97		
0.088	3.50	0.00	0.00	0.00	99.97		
0.074	3.75	0.00	0.00	0.00	99.97		
0.0625	4.00	0.00	0.00	0.00	99.97		
<0.0625	Pan	0.00	0.08	0.03	100.00		
Wet sieved mud		0.08					
	TOTAL		311.19	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-1.940	-1.752	-1.788
Deviation	1.235	1.121	1.102
Skewness	0.252	0.098	0.051
Kurtosis	2.849	0.831	1.371
Median		-1.862	
Skewness2		0.006	
Percent Gravel	73.32		
Percent Sand	26.66		
Percent Mud	0.03		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 20

TOTAL SAMPLE WEIGHT 2570.33 grams
SUB-SAMPLE SPLIT WEIGHT 0.23 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	113.99	113.99	4.43	4.43		
22.6	-4.50	296.14	296.14	11.52	15.96		
16.0	-4.00	552.92	552.92	21.51	37.47		
11.3	-3.50	905.44	905.44	35.23	72.69		
8.00	-3.00	583.96	583.96	22.72	95.41		
5.66	-2.50	104.44	104.44	4.06	99.47		
4.00	-2.00	9.03	9.03	0.35	99.82		
2.83	-1.50	2.97	2.97	0.12	99.94		
2.00	-1.00	1.22	1.22	0.05	99.99		
1.68	-0.75	0.12	0.11	0.00	99.99		
1.41	-0.50	0.06	0.06	0.00	99.99		
1.19	-0.25	0.03	0.03	0.00	99.99		
1.00	0.00	0.01	0.01	0.00	100.00		
0.84	0.25	0.01	0.01	0.00	100.00		
0.71	0.50	0.01	0.01	0.00	100.00		
0.59	0.75	0.01	0.01	0.00	100.00		
0.50	1.00	0.00	0.00	0.00	100.00		
0.42	1.25	0.00	0.00	0.00	100.00		
0.35	1.50	0.00	0.00	0.00	100.00		
0.30	1.75	0.00	0.00	0.00	100.00		
0.25	2.00	0.00	0.00	0.00	100.00		
0.210	2.25	0.00	0.00	0.00	100.00		
0.177	2.50	0.00	0.00	0.00	100.00		
0.149	2.75	0.00	0.00	0.00	100.00		
0.125	3.00	0.00	0.00	0.00	100.00		
0.105	3.25	0.00	0.00	0.00	100.00		
0.088	3.50	0.00	0.00	0.00	100.00		
0.074	3.75	0.00	0.00	0.00	100.00		
0.0625	4.00	0.00	0.00	0.00	100.00		
<0.0625	Pan	0.00	0.10	0.00	100.00		
Wet sieved mud		0.10					
	TOTAL		2570.44	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-4.142	-4.136	-4.195
Deviation	0.598	0.614	0.641
Skewness	0.011	0.292	0.107
Kurtosis	3.348	0.796	0.971
Median		-4.315	
Skewness2		-0.142	
Percent Gravel	99.99		
Percent Sand	0.01		
Percent Mud	0.00		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 21

TOTAL SAMPLE WEIGHT 316.59 grams
SUB-SAMPLE SPLIT WEIGHT 36.74 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	41.56	41.56	13.12	13.12		
16.0	-4.00	63.61	63.61	20.08	33.20		
11.3	-3.50	74.70	74.70	23.58	56.78		
8.00	-3.00	48.30	48.30	15.25	72.03		
5.66	-2.50	20.84	20.84	6.58	78.60		
4.00	-2.00	11.52	11.52	3.64	82.24		
2.83	-1.50	8.45	8.45	2.67	84.91		
2.00	-1.00	10.96	10.96	3.46	88.37		
1.68	-0.75	7.01	7.02	2.22	90.58		
1.41	-0.50	8.16	8.17	2.58	93.16		
1.19	-0.25	9.55	9.56	3.02	96.18		
1.00	0.00	5.61	5.62	1.77	97.95		
0.84	0.25	2.17	2.17	0.69	98.64		
0.71	0.50	1.03	1.03	0.33	98.97		
0.59	0.75	0.68	0.68	0.21	99.18		
0.50	1.00	0.63	0.63	0.20	99.38		
0.42	1.25	0.55	0.55	0.17	99.55		
0.35	1.50	0.71	0.71	0.22	99.78		
0.30	1.75	0.36	0.36	0.11	99.89		
0.25	2.00	0.16	0.16	0.05	99.94		
0.210	2.25	0.04	0.04	0.01	99.96		
0.177	2.50	0.02	0.02	0.01	99.96		
0.149	2.75	0.01	0.01	0.00	99.97		
0.125	3.00	0.00	0.00	0.00	99.97		
0.105	3.25	0.00	0.00	0.00	99.97		
0.088	3.50	0.00	0.00	0.00	99.97		
0.074	3.75	0.00	0.00	0.00	99.97		
0.0625	4.00	0.00	0.00	0.00	99.97		
<0.0625	Pan	0.00	0.11	0.03	100.00		
Wet sieved mud		0.11					
	TOTAL		316.79	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.667	-3.403	-3.615
Deviation	1.359	1.302	1.379
Skewness	1.349	0.488	0.467
Kurtosis	4.542	0.846	1.510
Median		-4.038	
Skewness2		0.824	
Percent Gravel	88.37		
Percent Sand	11.60		
Percent Mud	0.03		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 22

TOTAL SAMPLE WEIGHT 277.42 grams
SUB-SAMPLE SPLIT WEIGHT 22.69 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	26.41	26.41	9.52	9.52		
16.0	-4.00	0.00	0.00	0.00	9.52		
11.3	-3.50	26.21	26.21	9.45	18.97		
8.00	-3.00	19.22	19.22	6.93	25.90		
5.66	-2.50	33.34	33.34	12.02	37.91		
4.00	-2.00	35.87	35.87	12.93	50.84		
2.83	-1.50	37.75	37.75	13.61	64.45		
2.00	-1.00	55.40	55.40	19.97	84.42		
1.68	-0.75	10.80	20.55	7.41	91.83		
1.41	-0.50	8.82	16.78	6.05	97.88		
1.19	-0.25	2.73	5.20	1.87	99.75		
1.00	0.00	0.16	0.30	0.11	99.86		
0.84	0.25	0.03	0.06	0.02	99.88		
0.71	0.50	0.03	0.06	0.02	99.90		
0.59	0.75	0.03	0.06	0.02	99.92		
0.50	1.00	0.01	0.02	0.01	99.93		
0.42	1.25	0.01	0.02	0.01	99.94		
0.35	1.50	0.01	0.02	0.01	99.94		
0.30	1.75	0.01	0.02	0.01	99.95		
0.25	2.00	0.01	0.02	0.01	99.96		
0.210	2.25	0.00	0.00	0.00	99.96		
0.177	2.50	0.01	0.02	0.01	99.96		
0.149	2.75	0.01	0.02	0.01	99.97		
0.125	3.00	0.00	0.00	0.00	99.97		
0.105	3.25	0.00	0.00	0.00	99.97		
0.088	3.50	0.00	0.00	0.00	99.97		
0.074	3.75	0.00	0.00	0.00	99.97		
0.0625	4.00	0.00	0.00	0.00	99.97		
<0.0625	Pan	0.00	0.08	0.03	100.00		
Wet sieved mud		0.08					
	TOTAL		277.42	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.045	-2.747	-2.646
Deviation	1.331	1.318	1.264
Skewness	-0.053	-0.230	-0.311
Kurtosis	2.025	0.516	0.844
Median		-2.444	
Skewness2		-0.595	
Percent Gravel	84.42		
Percent Sand	15.55		
Percent Mud	0.03		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 23

TOTAL SAMPLE WEIGHT 289.53 grams
SUB-SAMPLE SPLIT WEIGHT 35.18 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	9.55	9.55	3.30	3.30		
11.3	-3.50	0.00	0.00	0.00	3.30		
8.00	-3.00	30.87	30.87	10.66	13.96		
5.66	-2.50	41.29	41.29	14.26	28.23		
4.00	-2.00	48.05	48.05	16.60	44.82		
2.83	-1.50	51.77	51.77	17.88	62.71		
2.00	-1.00	72.70	72.70	25.11	87.82		
1.68	-0.75	21.42	21.41	7.40	95.21		
1.41	-0.50	11.17	11.16	3.86	99.07		
1.19	-0.25	2.44	2.44	0.84	99.91		
1.00	0.00	0.12	0.12	0.04	99.96		
0.84	0.25	0.02	0.02	0.01	99.96		
0.71	0.50	0.01	0.01	0.00	99.97		
0.59	0.75	0.01	0.01	0.00	99.97		
0.50	1.00	0.00	0.00	0.00	99.97		
0.42	1.25	0.00	0.00	0.00	99.97		
0.35	1.50	0.01	0.01	0.00	99.97		
0.30	1.75	0.00	0.00	0.00	99.97		
0.25	2.00	0.00	0.00	0.00	99.97		
0.210	2.25	0.00	0.00	0.00	99.97		
0.177	2.50	0.00	0.00	0.00	99.97		
0.149	2.75	0.00	0.00	0.00	99.97		
0.125	3.00	0.00	0.00	0.00	99.97		
0.105	3.25	0.00	0.00	0.00	99.97		
0.088	3.50	0.00	0.00	0.00	99.97		
0.074	3.75	0.00	0.00	0.00	99.97		
0.0625	4.00	0.00	0.00	0.00	99.97		
<0.0625	Pan	0.00	0.08	0.03	100.00		
Wet sieved mud		0.08					
	TOTAL		289.49	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.286	-2.417	-2.386
Deviation	0.699	0.976	0.855
Skewness	0.323	-0.096	-0.117
Kurtosis	2.512	0.240	0.706
Median		-2.324	
Skewness2		-0.172	
Percent Gravel	87.82		
Percent Sand	12.15		
Percent Mud	0.03		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 24

TOTAL SAMPLE WEIGHT 303.45 grams
SUB-SAMPLE SPLIT WEIGHT 30.81 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	42.27	42.27	13.93	13.93		
16.0	-4.00	0.00	0.00	0.00	13.93		
11.3	-3.50	24.71	24.71	8.14	22.07		
8.00	-3.00	28.32	28.32	9.33	31.41		
5.66	-2.50	40.32	40.32	13.29	44.69		
4.00	-2.00	27.73	27.73	9.14	53.83		
2.83	-1.50	35.96	35.96	11.85	65.68		
2.00	-1.00	44.35	44.35	14.62	80.30		
1.68	-0.75	9.62	18.64	6.14	86.44		
1.41	-0.50	9.66	18.72	6.17	92.61		
1.19	-0.25	7.23	14.01	4.62	97.23		
1.00	0.00	2.69	5.21	1.72	98.95		
0.84	0.25	0.95	1.84	0.61	99.55		
0.71	0.50	0.35	0.68	0.22	99.78		
0.59	0.75	0.14	0.27	0.09	99.87		
0.50	1.00	0.06	0.12	0.04	99.90		
0.42	1.25	0.03	0.06	0.02	99.92		
0.35	1.50	0.03	0.06	0.02	99.94		
0.30	1.75	0.02	0.04	0.01	99.95		
0.25	2.00	0.01	0.02	0.01	99.96		
0.210	2.25	0.01	0.02	0.01	99.97		
0.177	2.50	0.01	0.02	0.01	99.97		
0.149	2.75	0.01	0.02	0.01	99.98		
0.125	3.00	0.00	0.00	0.00	99.98		
0.105	3.25	0.00	0.00	0.00	99.98		
0.088	3.50	0.00	0.00	0.00	99.98		
0.074	3.75	0.00	0.00	0.00	99.98		
0.0625	4.00	0.00	0.00	0.00	99.98		
<0.0625	Pan	0.00	0.06	0.02	100.00		
Wet sieved mud		0.06					
	TOTAL		303.45	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.110	-2.931	-2.812
Deviation	1.470	1.565	1.514
Skewness	0.155	-0.228	-0.197
Kurtosis	2.044	0.543	0.941
Median		-2.574	
Skewness2		-0.257	
Percent Gravel	80.30		
Percent Sand	19.68		
Percent Mud	0.02		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 25

TOTAL SAMPLE WEIGHT 436.71 grams
SUB-SAMPLE SPLIT WEIGHT 19.49 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	111.50	111.50	25.54	25.54		
22.6	-4.50	84.18	84.18	19.28	44.82		
16.0	-4.00	125.45	125.45	28.73	73.55		
11.3	-3.50	43.84	43.84	10.04	83.59		
8.00	-3.00	33.75	33.75	7.73	91.32		
5.66	-2.50	8.62	8.62	1.97	93.29		
4.00	-2.00	4.48	4.48	1.03	94.32		
2.83	-1.50	2.51	2.51	0.57	94.89		
2.00	-1.00	2.73	2.73	0.63	95.52		
1.68	-0.75	1.72	1.72	0.39	95.91		
1.41	-0.50	2.01	2.01	0.46	96.37		
1.19	-0.25	3.32	3.32	0.76	97.14		
1.00	0.00	3.49	3.49	0.80	97.94		
0.84	0.25	3.00	3.00	0.69	98.62		
0.71	0.50	2.45	2.45	0.56	99.18		
0.59	0.75	1.64	1.64	0.38	99.56		
0.50	1.00	0.84	0.84	0.19	99.75		
0.42	1.25	0.38	0.38	0.09	99.84		
0.35	1.50	0.30	0.30	0.07	99.91		
0.30	1.75	0.16	0.16	0.04	99.95		
0.25	2.00	0.10	0.10	0.02	99.97		
0.210	2.25	0.03	0.03	0.01	99.97		
0.177	2.50	0.02	0.02	0.00	99.98		
0.149	2.75	0.01	0.01	0.00	99.98		
0.125	3.00	0.01	0.01	0.00	99.98		
0.105	3.25	0.00	0.00	0.00	99.98		
0.088	3.50	0.00	0.00	0.00	99.98		
0.074	3.75	0.00	0.00	0.00	99.98		
0.0625	4.00	0.00	0.00	0.00	99.98		
<0.0625	Pan	0.00	0.07	0.02	100.00		
Wet sieved mud		0.07					
	TOTAL		436.62	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-4.234	-4.625	-4.641
Deviation	1.290	0.898	1.050
Skewness	2.181	0.054	0.273
Kurtosis	7.833	1.208	1.489
Median		-4.673	
Skewness2		1.088	
Percent Gravel	95.52		
Percent Sand	4.46		
Percent Mud	0.02		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 26

TOTAL SAMPLE WEIGHT 244.16 grams
SUB-SAMPLE SPLIT WEIGHT 29.19 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	18.30	18.30	7.50	7.50		
8.00	-3.00	8.89	8.89	3.64	11.14		
5.66	-2.50	23.19	23.19	9.50	20.63		
4.00	-2.00	14.17	14.17	5.80	26.44		
2.83	-1.50	25.19	25.19	10.32	36.75		
2.00	-1.00	48.89	48.89	20.02	56.78		
1.68	-0.75	8.48	30.59	12.53	69.31		
1.41	-0.50	9.19	33.15	13.58	82.88		
1.19	-0.25	7.29	26.29	10.77	93.65		
1.00	0.00	2.33	8.40	3.44	97.09		
0.84	0.25	0.71	2.56	1.05	98.14		
0.71	0.50	0.34	1.23	0.50	98.64		
0.59	0.75	0.18	0.65	0.27	98.91		
0.50	1.00	0.13	0.47	0.19	99.10		
0.42	1.25	0.10	0.36	0.15	99.25		
0.35	1.50	0.14	0.50	0.21	99.46		
0.30	1.75	0.11	0.40	0.16	99.62		
0.25	2.00	0.10	0.36	0.15	99.77		
0.210	2.25	0.05	0.18	0.07	99.84		
0.177	2.50	0.04	0.14	0.06	99.90		
0.149	2.75	0.02	0.07	0.03	99.93		
0.125	3.00	0.01	0.04	0.01	99.94		
0.105	3.25	0.01	0.04	0.01	99.96		
0.088	3.50	0.00	0.00	0.00	99.96		
0.074	3.75	0.00	0.00	0.00	99.96		
0.0625	4.00	0.00	0.00	0.00	99.96		
<0.0625	Pan	0.00	0.10	0.04	100.00		
Wet sieved mud		0.10					
	TOTAL		244.16	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.037	-1.975	-1.844
Deviation	1.291	1.263	1.201
Skewness	-0.003	-0.311	-0.321
Kurtosis	2.358	0.487	1.197
Median		-1.582	
Skewness2		-0.492	
Percent Gravel	56.78		
Percent Sand	43.18		
Percent Mud	0.04		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 27

TOTAL SAMPLE WEIGHT 302.61 grams
SUB-SAMPLE SPLIT WEIGHT 34.01 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	53.63	53.63	17.72	17.72		
16.0	-4.00	65.93	65.93	21.79	39.51		
11.3	-3.50	39.73	39.73	13.13	52.64		
8.00	-3.00	27.57	27.57	9.11	61.75		
5.66	-2.50	18.57	18.57	6.14	67.89		
4.00	-2.00	13.30	13.30	4.40	72.28		
2.83	-1.50	9.71	9.71	3.21	75.49		
2.00	-1.00	7.89	7.89	2.61	78.10		
1.68	-0.75	1.88	3.66	1.21	79.31		
1.41	-0.50	2.77	5.40	1.78	81.09		
1.19	-0.25	4.01	7.82	2.58	83.68		
1.00	0.00	4.26	8.30	2.74	86.42		
0.84	0.25	4.08	7.95	2.63	89.05		
0.71	0.50	3.86	7.52	2.49	91.53		
0.59	0.75	3.19	6.22	2.05	93.59		
0.50	1.00	2.53	4.93	1.63	95.22		
0.42	1.25	2.13	4.15	1.37	96.59		
0.35	1.50	2.38	4.64	1.53	98.12		
0.30	1.75	1.54	3.00	0.99	99.12		
0.25	2.00	0.83	1.62	0.53	99.65		
0.210	2.25	0.24	0.47	0.15	99.81		
0.177	2.50	0.11	0.21	0.07	99.88		
0.149	2.75	0.04	0.08	0.03	99.90		
0.125	3.00	0.02	0.04	0.01	99.91		
0.105	3.25	0.01	0.02	0.01	99.92		
0.088	3.50	0.01	0.02	0.01	99.93		
0.074	3.75	0.01	0.02	0.01	99.93		
0.0625	4.00	0.01	0.02	0.01	99.94		
<0.0625	Pan	0.00	0.18	0.06	100.00		
Wet sieved mud		0.18					
	TOTAL		302.61	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.205	-2.665	-3.094
Deviation	2.017	2.103	2.028
Skewness	0.962	0.590	0.550
Kurtosis	2.681	0.416	0.936
Median		-3.953	
Skewness2		0.722	
Percent Gravel	78.10		
Percent Sand	21.84		
Percent Mud	0.06		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 28

TOTAL SAMPLE WEIGHT 252.76 grams
SUB-SAMPLE SPLIT WEIGHT 23.12 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	4.27	4.27	1.69	1.69		
8.00	-3.00	14.08	14.08	5.57	7.26		
5.66	-2.50	42.37	42.37	16.76	24.02		
4.00	-2.00	40.19	40.19	15.90	39.92		
2.83	-1.50	30.16	30.16	11.93	51.86		
2.00	-1.00	28.56	28.56	11.30	63.15		
1.68	-0.75	3.37	13.52	5.35	68.50		
1.41	-0.50	4.10	16.45	6.51	75.01		
1.19	-0.25	4.78	19.18	7.59	82.60		
1.00	0.00	3.73	14.97	5.92	88.52		
0.84	0.25	2.05	8.22	3.25	91.77		
0.71	0.50	1.33	5.34	2.11	93.88		
0.59	0.75	0.91	3.65	1.44	95.33		
0.50	1.00	0.68	2.73	1.08	96.41		
0.42	1.25	0.58	2.33	0.92	97.33		
0.35	1.50	0.80	3.21	1.27	98.60		
0.30	1.75	0.45	1.81	0.71	99.31		
0.25	2.00	0.20	0.80	0.32	99.63		
0.210	2.25	0.07	0.28	0.11	99.74		
0.177	2.50	0.06	0.24	0.10	99.84		
0.149	2.75	0.03	0.12	0.05	99.89		
0.125	3.00	0.01	0.04	0.02	99.90		
0.105	3.25	0.01	0.04	0.02	99.92		
0.088	3.50	0.01	0.04	0.02	99.93		
0.074	3.75	0.01	0.04	0.02	99.95		
0.0625	4.00	0.00	0.00	0.00	99.95		
<0.0625	Pan	0.01	0.13	0.05	100.00		
Wet sieved mud		0.09					
	TOTAL		252.76	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-1.784	-1.824	-1.852
Deviation	1.354	1.405	1.323
Skewness	0.560	0.060	0.109
Kurtosis	2.536	0.456	0.851
Median		-1.908	
Skewness2		0.230	
Percent Gravel	63.15		
Percent Sand	36.79		
Percent Mud	0.05		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 29

TOTAL SAMPLE WEIGHT 391.35 grams
SUB-SAMPLE SPLIT WEIGHT 13.45 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	51.87	51.87	13.26	13.26		
16.0	-4.00	82.92	82.92	21.19	34.45		
11.3	-3.50	68.96	68.96	17.62	52.07		
8.00	-3.00	76.83	76.83	19.64	71.71		
5.66	-2.50	50.26	50.26	12.85	84.56		
4.00	-2.00	28.59	28.59	7.31	91.86		
2.83	-1.50	12.26	12.26	3.13	95.00		
2.00	-1.00	6.07	6.07	1.55	96.55		
1.68	-0.75	2.38	2.38	0.61	97.16		
1.41	-0.50	2.53	2.53	0.65	97.80		
1.19	-0.25	2.54	2.54	0.65	98.45		
1.00	0.00	2.08	2.08	0.53	98.99		
0.84	0.25	1.28	1.28	0.33	99.31		
0.71	0.50	0.87	0.87	0.22	99.54		
0.59	0.75	0.56	0.56	0.14	99.68		
0.50	1.00	0.46	0.46	0.12	99.80		
0.42	1.25	0.31	0.31	0.08	99.88		
0.35	1.50	0.29	0.29	0.07	99.95		
0.30	1.75	0.09	0.09	0.02	99.97		
0.25	2.00	0.03	0.03	0.01	99.98		
0.210	2.25	0.01	0.01	0.00	99.98		
0.177	2.50	0.00	0.00	0.00	99.98		
0.149	2.75	0.00	0.00	0.00	99.98		
0.125	3.00	0.00	0.00	0.00	99.98		
0.105	3.25	0.00	0.00	0.00	99.98		
0.088	3.50	0.00	0.00	0.00	99.98		
0.074	3.75	0.00	0.00	0.00	99.98		
0.0625	4.00	0.00	0.00	0.00	99.98		
<0.0625	Pan	0.00	0.06	0.02	100.00		
Wet sieved mud		0.06					
	TOTAL		391.27	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.758	-3.749	-3.789
Deviation	1.122	0.955	1.026
Skewness	1.000	0.124	0.146
Kurtosis	4.682	0.895	1.192
Median		-3.868	
Skewness2		0.319	
Percent Gravel	96.55		
Percent Sand	3.44		
Percent Mud	0.02		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 30

TOTAL SAMPLE WEIGHT 412.86 grams
SUB-SAMPLE SPLIT WEIGHT 32.89 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	73.90	73.90	17.90	17.90		
16.0	-4.00	11.80	11.80	2.86	20.76		
11.3	-3.50	20.32	20.32	4.92	25.68		
8.00	-3.00	62.32	62.32	15.09	40.77		
5.66	-2.50	57.57	57.57	13.94	54.72		
4.00	-2.00	45.00	45.00	10.90	65.62		
2.83	-1.50	42.61	42.61	10.32	75.94		
2.00	-1.00	37.70	37.70	9.13	85.07		
1.68	-0.75	5.41	10.13	2.45	87.52		
1.41	-0.50	4.29	8.03	1.95	89.47		
1.19	-0.25	3.41	6.38	1.55	91.02		
1.00	0.00	2.15	4.03	0.97	91.99		
0.84	0.25	1.24	2.32	0.56	92.55		
0.71	0.50	1.03	1.93	0.47	93.02		
0.59	0.75	0.96	1.80	0.44	93.45		
0.50	1.00	1.08	2.02	0.49	93.94		
0.42	1.25	1.34	2.51	0.61	94.55		
0.35	1.50	2.65	4.96	1.20	95.75		
0.30	1.75	2.87	5.37	1.30	97.06		
0.25	2.00	2.81	5.26	1.27	98.33		
0.210	2.25	1.65	3.09	0.75	99.08		
0.177	2.50	1.08	2.02	0.49	99.57		
0.149	2.75	0.53	0.99	0.24	99.81		
0.125	3.00	0.16	0.30	0.07	99.88		
0.105	3.25	0.07	0.13	0.03	99.91		
0.088	3.50	0.03	0.06	0.01	99.93		
0.074	3.75	0.02	0.04	0.01	99.94		
0.0625	4.00	0.01	0.02	0.00	99.94		
<0.0625	Pan	0.01	0.25	0.06	100.00		
Wet sieved mud		0.23					
	TOTAL		412.86	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.115	-3.144	-3.126
Deviation	1.842	1.713	1.841
Skewness	0.937	-0.031	0.118
Kurtosis	3.581	0.896	1.301
Median		-3.091	
Skewness2		0.507	
Percent Gravel	85.07		
Percent Sand	14.87		
Percent Mud	0.06		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 31

TOTAL SAMPLE WEIGHT 410.35 grams
SUB-SAMPLE SPLIT WEIGHT 25.29 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	54.91	54.91	13.38	13.38		
22.6	-4.50	26.25	26.25	6.40	19.78		
16.0	-4.00	60.27	60.27	14.69	34.47		
11.3	-3.50	26.12	26.12	6.37	40.83		
8.00	-3.00	51.69	51.69	12.60	53.43		
5.66	-2.50	30.03	30.03	7.32	60.75		
4.00	-2.00	29.01	29.01	7.07	67.82		
2.83	-1.50	17.74	17.74	4.32	72.14		
2.00	-1.00	11.32	11.32	2.76	74.90		
1.68	-0.75	0.76	3.10	0.76	75.65		
1.41	-0.50	0.88	3.59	0.87	76.53		
1.19	-0.25	1.14	4.65	1.13	77.66		
1.00	0.00	1.06	4.32	1.05	78.71		
0.84	0.25	1.03	4.20	1.02	79.74		
0.71	0.50	1.54	6.28	1.53	81.27		
0.59	0.75	2.00	8.15	1.99	83.25		
0.50	1.00	2.45	9.99	2.43	85.69		
0.42	1.25	2.85	11.62	2.83	88.52		
0.35	1.50	4.85	19.77	4.82	93.34		
0.30	1.75	3.76	15.33	3.74	97.07		
0.25	2.00	1.92	7.83	1.91	98.98		
0.210	2.25	0.54	2.20	0.54	99.51		
0.177	2.50	0.24	0.98	0.24	99.75		
0.149	2.75	0.07	0.29	0.07	99.82		
0.125	3.00	0.03	0.12	0.03	99.85		
0.105	3.25	0.02	0.08	0.02	99.87		
0.088	3.50	0.02	0.08	0.02	99.89		
0.074	3.75	0.01	0.04	0.01	99.90		
0.0625	4.00	0.01	0.04	0.01	99.91		
<0.0625	Pan	0.01	0.36	0.09	100.00		
Wet sieved mud		0.32					
	TOTAL		410.35	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.061	-2.358	-2.729
Deviation	2.347	2.909	2.514
Skewness	0.344	0.382	0.386
Kurtosis	1.695	0.201	0.893
Median		-3.469	
Skewness2		0.469	
Percent Gravel	74.90		
Percent Sand	25.02		
Percent Mud	0.09		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 32

TOTAL SAMPLE WEIGHT 314.12 grams
SUB-SAMPLE SPLIT WEIGHT 27.21 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	45.00	45.00	14.33	14.33		
16.0	-4.00	15.54	15.54	4.95	19.27		
11.3	-3.50	7.33	7.33	2.33	21.61		
8.00	-3.00	18.09	18.09	5.76	27.37		
5.66	-2.50	39.04	39.04	12.43	39.79		
4.00	-2.00	44.68	44.68	14.22	54.02		
2.83	-1.50	47.60	47.60	15.15	69.17		
2.00	-1.00	47.23	47.23	15.04	84.21		
1.68	-0.75	6.43	11.67	3.71	87.92		
1.41	-0.50	4.41	8.00	2.55	90.47		
1.19	-0.25	2.97	5.39	1.72	92.18		
1.00	0.00	1.53	2.78	0.88	93.07		
0.84	0.25	0.88	1.60	0.51	93.58		
0.71	0.50	0.72	1.31	0.42	93.99		
0.59	0.75	0.75	1.36	0.43	94.42		
0.50	1.00	0.97	1.76	0.56	94.99		
0.42	1.25	1.22	2.21	0.70	95.69		
0.35	1.50	2.26	4.10	1.31	97.00		
0.30	1.75	2.46	4.46	1.42	98.42		
0.25	2.00	1.51	2.74	0.87	99.29		
0.210	2.25	0.58	1.05	0.34	99.62		
0.177	2.50	0.36	0.65	0.21	99.83		
0.149	2.75	0.13	0.24	0.08	99.91		
0.125	3.00	0.04	0.07	0.02	99.93		
0.105	3.25	0.02	0.04	0.01	99.94		
0.088	3.50	0.01	0.02	0.01	99.95		
0.074	3.75	0.01	0.02	0.01	99.95		
0.0625	4.00	0.01	0.02	0.01	99.96		
<0.0625	Pan	0.00	0.13	0.04	100.00		
Wet sieved mud		0.13					
	TOTAL		314.12	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.880	-2.997	-2.837
Deviation	1.750	1.617	1.738
Skewness	0.562	-0.297	-0.119
Kurtosis	3.162	0.899	1.256
Median		-2.516	
Skewness2		0.114	
Percent Gravel	84.21		
Percent Sand	15.75		
Percent Mud	0.04		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 33

TOTAL SAMPLE WEIGHT 3143.12 grams
SUB-SAMPLE SPLIT WEIGHT 22.49 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	1110.99	1110.99	35.35	35.35		
22.6	-4.50	333.10	333.10	10.60	45.94		
16.0	-4.00	365.54	365.54	11.63	57.57		
11.3	-3.50	242.73	242.73	7.72	65.30		
8.00	-3.00	213.37	213.37	6.79	72.09		
5.66	-2.50	163.78	163.78	5.21	77.30		
4.00	-2.00	129.53	129.53	4.12	81.42		
2.83	-1.50	143.04	143.04	4.55	85.97		
2.00	-1.00	126.81	126.81	4.03	90.00		
1.68	-0.75	2.05	28.42	0.90	90.91		
1.41	-0.50	2.07	28.70	0.91	91.82		
1.19	-0.25	1.87	25.93	0.82	92.64		
1.00	0.00	1.54	21.35	0.68	93.32		
0.84	0.25	1.30	18.02	0.57	93.90		
0.71	0.50	1.40	19.41	0.62	94.52		
0.59	0.75	1.56	21.63	0.69	95.20		
0.50	1.00	1.53	21.21	0.67	95.88		
0.42	1.25	2.03	28.15	0.90	96.77		
0.35	1.50	3.10	42.98	1.37	98.14		
0.30	1.75	2.43	33.69	1.07	99.21		
0.25	2.00	1.10	15.25	0.49	99.70		
0.210	2.25	0.29	4.02	0.13	99.83		
0.177	2.50	0.14	1.94	0.06	99.89		
0.149	2.75	0.05	0.69	0.02	99.91		
0.125	3.00	0.03	0.42	0.01	99.92		
0.105	3.25	0.02	0.28	0.01	99.93		
0.088	3.50	0.02	0.28	0.01	99.94		
0.074	3.75	0.01	0.14	0.00	99.95		
0.0625	4.00	0.01	0.14	0.00	99.95		
<0.0625	Pan	0.01	1.50	0.05	100.00		
Wet sieved mud		1.44					
	TOTAL		3143.12	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.229	-3.073	-4.122
Deviation	1.893	1.681	1.764
Skewness	1.073	0.445	0.547
Kurtosis	3.359	0.814	1.114
Median		-4.620	
Skewness2		1.179	
Percent Gravel	90.00		
Percent Sand	9.95		
Percent Mud	0.05		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 34

TOTAL SAMPLE WEIGHT 247.50 grams
SUB-SAMPLE SPLIT WEIGHT 25.92 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	3.33	3.33	1.35	1.35		
5.66	-2.50	8.21	8.21	3.32	4.66		
4.00	-2.00	11.44	11.44	4.62	9.28		
2.83	-1.50	14.38	14.38	5.81	15.09		
2.00	-1.00	22.25	22.25	8.99	24.08		
1.68	-0.75	1.59	11.52	4.66	28.74		
1.41	-0.50	2.42	17.54	7.09	35.83		
1.19	-0.25	3.63	26.31	10.63	46.46		
1.00	0.00	2.85	20.65	8.35	54.80		
0.84	0.25	2.17	15.73	6.35	61.16		
0.71	0.50	1.80	13.04	5.27	66.43		
0.59	0.75	1.70	12.32	4.98	71.40		
0.50	1.00	1.52	11.02	4.45	75.85		
0.42	1.25	1.68	12.18	4.92	80.77		
0.35	1.50	2.64	19.13	7.73	88.50		
0.30	1.75	2.17	15.73	6.35	94.86		
0.25	2.00	1.13	8.19	3.31	98.17		
0.210	2.25	0.31	2.25	0.91	99.08		
0.177	2.50	0.18	1.30	0.53	99.60		
0.149	2.75	0.06	0.43	0.18	99.78		
0.125	3.00	0.02	0.14	0.06	99.84		
0.105	3.25	0.01	0.07	0.03	99.87		
0.088	3.50	0.01	0.07	0.03	99.89		
0.074	3.75	0.00	0.00	0.00	99.89		
0.0625	4.00	0.00	0.00	0.00	99.89		
<0.0625	Pan	0.00	0.26	0.11	100.00		
Wet sieved mud		0.26					
	TOTAL		247.50	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-0.200	-0.328	-0.345
Deviation	1.387	1.396	1.351
Skewness	-0.426	0.036	-0.027
Kurtosis	2.353	0.543	0.816
Median		-0.378	
Skewness2		-0.140	
Percent Gravel	24.08		
Percent Sand	75.81		
Percent Mud	0.11		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 35

TOTAL SAMPLE WEIGHT 2560.37 grams
SUB-SAMPLE SPLIT WEIGHT 31.69 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	518.16	518.16	20.24	20.24		
22.6	-4.50	315.15	315.15	12.31	32.55		
16.0	-4.00	307.13	307.13	12.00	44.54		
11.3	-3.50	317.92	317.92	12.42	56.96		
8.00	-3.00	369.80	369.80	14.44	71.40		
5.66	-2.50	249.96	249.96	9.76	81.16		
4.00	-2.00	122.85	122.85	4.80	85.96		
2.83	-1.50	86.42	86.42	3.38	89.34		
2.00	-1.00	50.60	50.60	1.98	91.31		
1.68	-0.75	2.49	17.40	0.68	91.99		
1.41	-0.50	1.89	13.21	0.52	92.51		
1.19	-0.25	1.72	12.02	0.47	92.98		
1.00	0.00	1.40	9.78	0.38	93.36		
0.84	0.25	1.44	10.06	0.39	93.75		
0.71	0.50	1.68	11.74	0.46	94.21		
0.59	0.75	2.08	14.53	0.57	94.78		
0.50	1.00	2.94	20.54	0.80	95.58		
0.42	1.25	3.45	24.11	0.94	96.52		
0.35	1.50	5.70	39.83	1.56	98.08		
0.30	1.75	4.23	29.56	1.15	99.23		
0.25	2.00	1.88	13.14	0.51	99.75		
0.210	2.25	0.40	2.79	0.11	99.86		
0.177	2.50	0.17	1.19	0.05	99.90		
0.149	2.75	0.06	0.42	0.02	99.92		
0.125	3.00	0.03	0.21	0.01	99.93		
0.105	3.25	0.02	0.14	0.01	99.93		
0.088	3.50	0.02	0.14	0.01	99.94		
0.074	3.75	0.01	0.07	0.00	99.94		
0.0625	4.00	0.02	0.14	0.01	99.95		
<0.0625	Pan	0.01	1.37	0.05	100.00		
Wet sieved mud		1.30					
	TOTAL		2560.37	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.419	-3.991	-4.084
Deviation	1.707	1.456	1.664
Skewness	1.430	0.193	0.372
Kurtosis	4.704	1.120	1.270
Median		-4.271	
Skewness2		1.170	
Percent Gravel	91.31		
Percent Sand	8.63		
Percent Mud	0.05		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 36

TOTAL SAMPLE WEIGHT 272.78 grams
SUB-SAMPLE SPLIT WEIGHT 20.20 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	33.75	33.75	12.37	12.37		
5.66	-2.50	52.97	52.97	19.42	31.79		
4.00	-2.00	51.69	51.69	18.95	50.74		
2.83	-1.50	58.73	58.73	21.53	72.27		
2.00	-1.00	33.35	33.35	12.23	84.50		
1.68	-0.75	4.17	8.69	3.18	87.68		
1.41	-0.50	2.53	5.27	1.93	89.61		
1.19	-0.25	1.96	4.08	1.50	91.11		
1.00	0.00	1.19	2.48	0.91	92.02		
0.84	0.25	0.85	1.77	0.65	92.67		
0.71	0.50	0.74	1.54	0.57	93.23		
0.59	0.75	0.84	1.75	0.64	93.87		
0.50	1.00	1.08	2.25	0.82	94.70		
0.42	1.25	1.22	2.54	0.93	95.63		
0.35	1.50	2.05	4.27	1.57	97.20		
0.30	1.75	1.76	3.67	1.34	98.54		
0.25	2.00	0.98	2.04	0.75	99.29		
0.210	2.25	0.38	0.79	0.29	99.58		
0.177	2.50	0.27	0.56	0.21	99.79		
0.149	2.75	0.10	0.21	0.08	99.86		
0.125	3.00	0.04	0.08	0.03	99.89		
0.105	3.25	0.02	0.04	0.02	99.91		
0.088	3.50	0.01	0.02	0.01	99.92		
0.074	3.75	0.01	0.02	0.01	99.92		
0.0625	4.00	0.01	0.02	0.01	99.93		
<0.0625	Pan	0.00	0.19	0.07	100.00		
Wet sieved mud		0.19					
	TOTAL		272.78	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.070	-2.391	-2.409
Deviation	1.190	0.997	1.170
Skewness	1.701	0.054	0.258
Kurtosis	5.805	1.223	1.269
Median		-2.444	
Skewness2		1.027	
Percent Gravel	84.50		
Percent Sand	15.43		
Percent Mud	0.07		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 37

TOTAL SAMPLE WEIGHT 325.61 grams
SUB-SAMPLE SPLIT WEIGHT 30.59 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	91.35	91.35	28.06	28.06		
16.0	-4.00	36.59	36.59	11.24	39.29		
11.3	-3.50	22.92	22.92	7.04	46.33		
8.00	-3.00	13.77	13.77	4.23	50.56		
5.66	-2.50	28.68	28.68	8.81	59.37		
4.00	-2.00	36.68	36.68	11.27	70.64		
2.83	-1.50	39.00	39.00	11.98	82.61		
2.00	-1.00	25.90	25.90	7.95	90.57		
1.68	-0.75	5.64	5.64	1.73	92.30		
1.41	-0.50	5.16	5.16	1.59	93.89		
1.19	-0.25	3.54	3.54	1.09	94.97		
1.00	0.00	2.14	2.14	0.66	95.63		
0.84	0.25	1.58	1.58	0.49	96.12		
0.71	0.50	1.53	1.53	0.47	96.59		
0.59	0.75	1.70	1.70	0.52	97.11		
0.50	1.00	1.96	1.96	0.60	97.71		
0.42	1.25	2.00	2.00	0.61	98.33		
0.35	1.50	2.75	2.75	0.84	99.17		
0.30	1.75	1.75	1.75	0.54	99.71		
0.25	2.00	0.59	0.59	0.18	99.89		
0.210	2.25	0.11	0.11	0.03	99.92		
0.177	2.50	0.06	0.06	0.02	99.94		
0.149	2.75	0.02	0.02	0.01	99.95		
0.125	3.00	0.01	0.01	0.00	99.95		
0.105	3.25	0.01	0.01	0.00	99.95		
0.088	3.50	0.01	0.01	0.00	99.96		
0.074	3.75	0.01	0.01	0.00	99.96		
0.0625	4.00	0.01	0.01	0.00	99.96		
<0.0625	Pan	0.00	0.12	0.04	100.00		
Wet sieved mud		0.12					
	TOTAL		325.60	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.627	-3.433	-3.468
Deviation	1.610	1.747	1.651
Skewness	0.970	0.061	0.134
Kurtosis	3.423	0.468	0.821
Median		-3.539	
Skewness2		0.305	
Percent Gravel	90.57		
Percent Sand	9.39		
Percent Mud	0.04		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 38

TOTAL SAMPLE WEIGHT 2425.37 grams
SUB-SAMPLE SPLIT WEIGHT 39.22 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	437.33	437.33	18.03	18.03		
22.6	-4.50	437.44	437.44	18.04	36.07		
16.0	-4.00	159.14	159.14	6.56	42.63		
11.3	-3.50	226.78	226.78	9.35	51.98		
8.00	-3.00	237.10	237.10	9.78	61.76		
5.66	-2.50	233.82	233.82	9.64	71.40		
4.00	-2.00	170.62	170.62	7.03	78.43		
2.83	-1.50	120.47	120.47	4.97	83.40		
2.00	-1.00	79.07	79.07	3.26	86.66		
1.68	-0.75	1.88	15.42	0.64	87.29		
1.41	-0.50	2.32	19.03	0.78	88.08		
1.19	-0.25	2.66	21.82	0.90	88.98		
1.00	0.00	2.24	18.37	0.76	89.74		
0.84	0.25	1.94	15.91	0.66	90.39		
0.71	0.50	2.09	17.14	0.71	91.10		
0.59	0.75	2.23	18.29	0.75	91.85		
0.50	1.00	2.45	20.09	0.83	92.68		
0.42	1.25	2.86	23.46	0.97	93.65		
0.35	1.50	5.16	42.32	1.74	95.39		
0.30	1.75	4.97	40.76	1.68	97.07		
0.25	2.00	4.13	33.87	1.40	98.47		
0.210	2.25	2.04	16.73	0.69	99.16		
0.177	2.50	1.30	10.66	0.44	99.60		
0.149	2.75	0.49	4.02	0.17	99.77		
0.125	3.00	0.17	1.39	0.06	99.82		
0.105	3.25	0.11	0.90	0.04	99.86		
0.088	3.50	0.06	0.49	0.02	99.88		
0.074	3.75	0.05	0.41	0.02	99.90		
0.0625	4.00	0.03	0.25	0.01	99.91		
<0.0625	Pan	0.02	2.25	0.09	100.00		
Wet sieved mud		2.09					
	TOTAL		2425.37	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.298	-3.572	-3.703
Deviation	1.980	1.883	1.975
Skewness	1.248	0.210	0.357
Kurtosis	3.770	0.811	1.026
Median		-3.967	
Skewness2		0.913	
Percent Gravel	86.66		
Percent Sand	13.25		
Percent Mud	0.09		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 39

TOTAL SAMPLE WEIGHT 3157.66 grams
SUB-SAMPLE SPLIT WEIGHT 5.70 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	319.35	319.35	10.11	10.11		
22.6	-4.50	625.74	625.74	19.82	29.93		
16.0	-4.00	999.76	999.76	31.66	61.60		
11.3	-3.50	575.73	575.73	18.23	79.83		
8.00	-3.00	363.64	363.64	11.52	91.35		
5.66	-2.50	174.57	174.57	5.53	96.87		
4.00	-2.00	60.09	60.09	1.90	98.78		
2.83	-1.50	24.26	24.26	0.77	99.55		
2.00	-1.00	8.41	8.41	0.27	99.81		
1.68	-0.75	1.65	1.64	0.05	99.86		
1.41	-0.50	1.67	1.66	0.05	99.92		
1.19	-0.25	1.08	1.07	0.03	99.95		
1.00	0.00	0.60	0.60	0.02	99.97		
0.84	0.25	0.29	0.29	0.01	99.98		
0.71	0.50	0.14	0.14	0.00	99.98		
0.59	0.75	0.11	0.11	0.00	99.99		
0.50	1.00	0.07	0.07	0.00	99.99		
0.42	1.25	0.05	0.05	0.00	99.99		
0.35	1.50	0.04	0.04	0.00	99.99		
0.30	1.75	0.02	0.02	0.00	99.99		
0.25	2.00	0.02	0.02	0.00	99.99		
0.210	2.25	0.00	0.00	0.00	99.99		
0.177	2.50	0.00	0.00	0.00	99.99		
0.149	2.75	0.00	0.00	0.00	99.99		
0.125	3.00	0.00	0.00	0.00	99.99		
0.105	3.25	0.00	0.00	0.00	99.99		
0.088	3.50	0.00	0.00	0.00	99.99		
0.074	3.75	0.00	0.00	0.00	99.99		
0.0625	4.00	0.00	0.00	0.00	99.99		
<0.0625	Pan	0.00	0.22	0.01	100.00		
Wet sieved mud		0.22					
	TOTAL		3157.47	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-4.281	-4.477	-4.486
Deviation	0.802	0.873	0.821
Skewness	0.779	0.031	0.073
Kurtosis	3.643	0.452	1.056
Median		-4.504	
Skewness2		0.168	
Percent Gravel	99.81		
Percent Sand	0.18		
Percent Mud	0.01		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 40

TOTAL SAMPLE WEIGHT 2472.51 grams
SUB-SAMPLE SPLIT WEIGHT 20.77 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	67.04	67.04	2.71	2.71		
22.6	-4.50	65.99	65.99	2.67	5.38		
16.0	-4.00	497.47	497.47	20.12	25.50		
11.3	-3.50	860.46	860.46	34.80	60.30		
8.00	-3.00	559.38	559.38	22.62	82.93		
5.66	-2.50	220.02	220.02	8.90	91.82		
4.00	-2.00	86.90	86.90	3.51	95.34		
2.83	-1.50	58.30	58.30	2.36	97.70		
2.00	-1.00	35.99	35.99	1.46	99.15		
1.68	-0.75	8.98	8.95	0.36	99.51		
1.41	-0.50	5.56	5.54	0.22	99.74		
1.19	-0.25	3.51	3.50	0.14	99.88		
1.00	0.00	1.28	1.28	0.05	99.93		
0.84	0.25	0.54	0.54	0.02	99.95		
0.71	0.50	0.26	0.26	0.01	99.96		
0.59	0.75	0.18	0.18	0.01	99.97		
0.50	1.00	0.11	0.11	0.00	99.98		
0.42	1.25	0.07	0.07	0.00	99.98		
0.35	1.50	0.10	0.10	0.00	99.98		
0.30	1.75	0.07	0.07	0.00	99.99		
0.25	2.00	0.06	0.06	0.00	99.99		
0.210	2.25	0.03	0.03	0.00	99.99		
0.177	2.50	0.02	0.02	0.00	99.99		
0.149	2.75	0.01	0.01	0.00	99.99		
0.125	3.00	0.01	0.01	0.00	99.99		
0.105	3.25	0.01	0.01	0.00	99.99		
0.088	3.50	0.01	0.01	0.00	99.99		
0.074	3.75	0.01	0.01	0.00	99.99		
0.0625	4.00	0.01	0.01	0.00	99.99		
<0.0625	Pan	0.01	0.20	0.01	100.00		
Wet sieved mud		0.19					
	TOTAL		2472.51	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.757	-3.960	-3.989
Deviation	0.707	0.648	0.700
Skewness	1.183	0.132	0.225
Kurtosis	6.033	0.914	1.006
Median		-4.046	
Skewness2		0.607	
Percent Gravel	99.15		
Percent Sand	0.84		
Percent Mud	0.01		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 41

TOTAL SAMPLE WEIGHT 594.52 grams
SUB-SAMPLE SPLIT WEIGHT 24.37 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	87.28	87.28	14.68	14.68		
16.0	-4.00	58.07	58.07	9.77	24.45		
11.3	-3.50	130.47	130.47	21.95	46.39		
8.00	-3.00	110.89	110.89	18.65	65.05		
5.66	-2.50	51.33	51.33	8.63	73.68		
4.00	-2.00	30.89	30.89	5.20	78.88		
2.83	-1.50	20.26	20.26	3.41	82.28		
2.00	-1.00	16.21	16.21	2.73	85.01		
1.68	-0.75	1.82	6.62	1.11	86.12		
1.41	-0.50	3.22	11.71	1.97	88.09		
1.19	-0.25	3.50	12.73	2.14	90.23		
1.00	0.00	3.24	11.78	1.98	92.21		
0.84	0.25	2.77	10.07	1.69	93.91		
0.71	0.50	2.73	9.93	1.67	95.58		
0.59	0.75	1.99	7.24	1.22	96.80		
0.50	1.00	1.69	6.15	1.03	97.83		
0.42	1.25	1.08	3.93	0.66	98.49		
0.35	1.50	1.18	4.29	0.72	99.21		
0.30	1.75	0.65	2.36	0.40	99.61		
0.25	2.00	0.31	1.13	0.19	99.80		
0.210	2.25	0.08	0.29	0.05	99.85		
0.177	2.50	0.04	0.15	0.02	99.87		
0.149	2.75	0.02	0.07	0.01	99.88		
0.125	3.00	0.01	0.04	0.01	99.89		
0.105	3.25	0.01	0.04	0.01	99.90		
0.088	3.50	0.01	0.04	0.01	99.90		
0.074	3.75	0.01	0.04	0.01	99.91		
0.0625	4.00	0.01	0.04	0.01	99.91		
<0.0625	Pan	0.01	0.51	0.09	100.00		
Wet sieved mud		0.47					
	TOTAL		594.52	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.444	-3.149	-3.323
Deviation	1.632	1.570	1.627
Skewness	1.280	0.333	0.354
Kurtosis	3.974	0.772	1.237
Median		-3.672	
Skewness2		0.665	
Percent Gravel	85.01		
Percent Sand	14.91		
Percent Mud	0.09		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 42

TOTAL SAMPLE WEIGHT 1474.65 grams
SUB-SAMPLE SPLIT WEIGHT 13.62 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	39.03	39.03	2.65	2.65		
16.0	-4.00	313.64	313.64	21.27	23.92		
11.3	-3.50	313.76	313.76	21.28	45.19		
8.00	-3.00	371.62	371.62	25.20	70.40		
5.66	-2.50	189.59	189.59	12.86	83.25		
4.00	-2.00	89.60	89.60	6.08	89.33		
2.83	-1.50	77.73	77.73	5.27	94.60		
2.00	-1.00	65.65	65.65	4.45	99.05		
1.68	-0.75	5.07	5.06	0.34	99.40		
1.41	-0.50	1.38	1.38	0.09	99.49		
1.19	-0.25	1.28	1.28	0.09	99.58		
1.00	0.00	1.11	1.11	0.08	99.65		
0.84	0.25	0.88	0.88	0.06	99.71		
0.71	0.50	0.84	0.84	0.06	99.77		
0.59	0.75	0.71	0.71	0.05	99.82		
0.50	1.00	0.61	0.61	0.04	99.86		
0.42	1.25	0.47	0.47	0.03	99.89		
0.35	1.50	0.56	0.56	0.04	99.93		
0.30	1.75	0.33	0.33	0.02	99.95		
0.25	2.00	0.20	0.20	0.01	99.96		
0.210	2.25	0.06	0.06	0.00	99.97		
0.177	2.50	0.04	0.04	0.00	99.97		
0.149	2.75	0.02	0.02	0.00	99.97		
0.125	3.00	0.02	0.02	0.00	99.97		
0.105	3.25	0.02	0.02	0.00	99.97		
0.088	3.50	0.02	0.02	0.00	99.97		
0.074	3.75	0.01	0.01	0.00	99.97		
0.0625	4.00	0.01	0.01	0.00	99.98		
<0.0625	Pan	0.01	0.36	0.02	100.00		
Wet sieved mud		0.35					
	TOTAL		1474.59	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-3.479	-3.625	-3.641
Deviation	0.887	0.916	0.913
Skewness	0.793	0.054	0.181
Kurtosis	4.817	0.638	1.098
Median		-3.674	
Skewness2		0.504	
Percent Gravel	99.05		
Percent Sand	0.92		
Percent Mud	0.02		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 43

TOTAL SAMPLE WEIGHT 2699.09 grams
SUB-SAMPLE SPLIT WEIGHT 16.19 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	418.99	418.99	15.52	15.52		
22.6	-4.50	624.62	624.62	23.14	38.66		
16.0	-4.00	940.19	940.19	34.83	73.50		
11.3	-3.50	545.48	545.48	20.21	93.71		
8.00	-3.00	139.85	139.85	5.18	98.89		
5.66	-2.50	11.73	11.73	0.43	99.32		
4.00	-2.00	0.31	0.31	0.01	99.33		
2.83	-1.50	0.36	0.36	0.01	99.35		
2.00	-1.00	0.38	0.38	0.01	99.36		
1.68	-0.75	0.29	0.29	0.01	99.37		
1.41	-0.50	0.67	0.67	0.02	99.40		
1.19	-0.25	1.01	1.01	0.04	99.43		
1.00	0.00	1.38	1.38	0.05	99.49		
0.84	0.25	1.55	1.55	0.06	99.54		
0.71	0.50	1.75	1.75	0.06	99.61		
0.59	0.75	1.79	1.79	0.07	99.67		
0.50	1.00	1.74	1.74	0.06	99.74		
0.42	1.25	1.51	1.51	0.06	99.79		
0.35	1.50	1.97	1.97	0.07	99.87		
0.30	1.75	1.17	1.17	0.04	99.91		
0.25	2.00	0.58	0.58	0.02	99.93		
0.210	2.25	0.20	0.20	0.01	99.94		
0.177	2.50	0.15	0.15	0.01	99.94		
0.149	2.75	0.10	0.10	0.00	99.95		
0.125	3.00	0.07	0.07	0.00	99.95		
0.105	3.25	0.07	0.07	0.00	99.95		
0.088	3.50	0.06	0.06	0.00	99.96		
0.074	3.75	0.07	0.07	0.00	99.96		
0.0625	4.00	0.06	0.06	0.00	99.96		
<0.0625	Pan	0.02	1.06	0.04	100.00		
Wet sieved mud		1.04					
	TOTAL		2699.14	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-4.482	-4.843	-4.770
Deviation	0.722	0.611	0.612
Skewness	2.721	-0.359	-0.190
Kurtosis	21.539	0.655	0.880
Median		-4.624	
Skewness2		-0.035	
Percent Gravel	99.36		
Percent Sand	0.60		
Percent Mud	0.04		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 50

TOTAL SAMPLE WEIGHT 81.72 grams
SUB-SAMPLE SPLIT WEIGHT 22.67 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.04	0.04	0.05	0.05		
2.00	-1.00	0.03	0.03	0.04	0.09		
1.68	-0.75	0.01	0.04	0.04	0.13		
1.41	-0.50	0.07	0.25	0.31	0.44		
1.19	-0.25	0.07	0.25	0.31	0.74		
1.00	0.00	0.10	0.36	0.44	1.18		
0.84	0.25	0.12	0.43	0.52	1.70		
0.71	0.50	0.18	0.64	0.79	2.49		
0.59	0.75	0.31	1.11	1.36	3.85		
0.50	1.00	0.47	1.68	2.06	5.90		
0.42	1.25	0.62	2.22	2.71	8.61		
0.35	1.50	1.45	5.18	6.34	14.95		
0.30	1.75	2.00	7.15	8.75	23.70		
0.25	2.00	3.38	12.08	14.78	38.48		
0.210	2.25	3.49	12.47	15.26	53.74		
0.177	2.50	3.81	13.61	16.66	70.40		
0.149	2.75	2.91	10.40	12.72	83.12		
0.125	3.00	1.73	6.18	7.56	90.69		
0.105	3.25	1.07	3.82	4.68	95.37		
0.088	3.50	0.56	2.00	2.45	97.82		
0.074	3.75	0.23	0.82	1.01	98.82		
0.0625	4.00	0.08	0.29	0.35	99.17		
<0.0625	Pan	0.01	0.68	0.83	100.00		
Wet sieved mud		0.64					
	TOTAL		81.72	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.981	1.919	1.920
Deviation	0.709	0.649	0.686
Skewness	-0.072	-0.008	-0.054
Kurtosis	5.699	0.837	1.100
Median		1.924	
Skewness2		-0.184	
Percent Gravel	0.09		
Percent Sand	99.09		
Percent Mud	0.83		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 51

TOTAL SAMPLE WEIGHT 95.82 grams
SUB-SAMPLE SPLIT WEIGHT 14.75 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.07	0.07	0.07	0.07		
2.00	-1.00	0.09	0.09	0.09	0.17		
1.68	-0.75	0.01	0.06	0.07	0.23		
1.41	-0.50	0.03	0.19	0.20	0.44		
1.19	-0.25	0.06	0.39	0.40	0.84		
1.00	0.00	0.06	0.39	0.40	1.24		
0.84	0.25	0.10	0.64	0.67	1.92		
0.71	0.50	0.17	1.10	1.14	3.06		
0.59	0.75	0.31	2.00	2.09	5.15		
0.50	1.00	0.54	3.48	3.63	8.78		
0.42	1.25	0.74	4.77	4.98	13.76		
0.35	1.50	1.89	12.18	12.72	26.47		
0.30	1.75	2.24	14.44	15.07	41.55		
0.25	2.00	2.69	17.34	18.10	59.65		
0.210	2.25	1.89	12.18	12.72	72.36		
0.177	2.50	1.80	11.60	12.11	84.47		
0.149	2.75	1.07	6.90	7.20	91.67		
0.125	3.00	0.47	3.03	3.16	94.83		
0.105	3.25	0.31	2.00	2.09	96.92		
0.088	3.50	0.19	1.22	1.28	98.20		
0.074	3.75	0.11	0.71	0.74	98.94		
0.0625	4.00	0.05	0.32	0.34	99.28		
<0.0625	Pan	0.01	0.69	0.72	100.00		
Wet sieved mud		0.63					
	TOTAL		95.82	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.721	1.589	1.593
Deviation	0.671	0.639	0.669
Skewness	-0.421	-0.015	-0.020
Kurtosis	5.426	0.807	1.119
Median		1.599	
Skewness2		-0.045	
Percent Gravel		0.17	
Percent Sand		99.11	
Percent Mud		0.72	

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 52

TOTAL SAMPLE WEIGHT 94.10 grams
SUB-SAMPLE SPLIT WEIGHT 13.14 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.13	0.13	0.14	0.14		
2.83	-1.50	0.02	0.02	0.02	0.16		
2.00	-1.00	0.15	0.15	0.16	0.32		
1.68	-0.75	0.02	0.14	0.15	0.47		
1.41	-0.50	0.01	0.07	0.08	0.55		
1.19	-0.25	0.03	0.21	0.23	0.77		
1.00	0.00	0.04	0.28	0.30	1.07		
0.84	0.25	0.09	0.64	0.68	1.75		
0.71	0.50	0.13	0.92	0.98	2.73		
0.59	0.75	0.21	1.49	1.58	4.32		
0.50	1.00	0.40	2.84	3.02	7.33		
0.42	1.25	0.57	4.05	4.30	11.63		
0.35	1.50	1.39	9.87	10.48	22.12		
0.30	1.75	1.98	14.05	14.94	37.05		
0.25	2.00	2.51	17.82	18.93	55.99		
0.210	2.25	1.88	13.34	14.18	70.17		
0.177	2.50	1.78	12.63	13.43	83.60		
0.149	2.75	1.03	7.31	7.77	91.36		
0.125	3.00	0.48	3.41	3.62	94.99		
0.105	3.25	0.29	2.06	2.19	97.17		
0.088	3.50	0.17	1.21	1.28	98.46		
0.074	3.75	0.09	0.64	0.68	99.13		
0.0625	4.00	0.04	0.28	0.30	99.44		
<0.0625	Pan	0.01	0.53	0.56	100.00		
Wet sieved mud		0.46					
	TOTAL		94.10	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.793	1.644	1.649
Deviation	0.631	0.604	0.641
Skewness	-0.260	-0.022	-0.032
Kurtosis	4.616	0.848	1.150
Median		1.657	
Skewness2		-0.078	
Percent Gravel	0.32		
Percent Sand	99.12		
Percent Mud	0.56		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 53

TOTAL SAMPLE WEIGHT 80.08 grams
SUB-SAMPLE SPLIT WEIGHT 20.21 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.03	0.03	0.04	0.04		
2.00	-1.00	0.04	0.04	0.05	0.09		
1.68	-0.75	0.01	0.04	0.05	0.14		
1.41	-0.50	0.01	0.04	0.05	0.19		
1.19	-0.25	0.03	0.12	0.15	0.33		
1.00	0.00	0.03	0.12	0.15	0.48		
0.84	0.25	0.08	0.31	0.39	0.87		
0.71	0.50	0.11	0.43	0.54	1.41		
0.59	0.75	0.18	0.71	0.88	2.30		
0.50	1.00	0.29	1.14	1.42	3.72		
0.42	1.25	0.38	1.49	1.87	5.59		
0.35	1.50	1.00	3.93	4.91	10.50		
0.30	1.75	1.46	5.74	7.17	17.68		
0.25	2.00	2.53	9.95	12.43	30.10		
0.210	2.25	3.07	12.08	15.08	45.19		
0.177	2.50	4.00	15.74	19.65	64.84		
0.149	2.75	3.54	13.93	17.39	82.23		
0.125	3.00	1.94	7.63	9.53	91.76		
0.105	3.25	0.89	3.50	4.37	96.13		
0.088	3.50	0.37	1.46	1.82	97.95		
0.074	3.75	0.18	0.71	0.88	98.83		
0.0625	4.00	0.07	0.28	0.34	99.18		
<0.0625	Pan	0.02	0.66	0.82	100.00		
Wet sieved mud		0.58					
	TOTAL		80.08	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.094	1.990	2.003
Deviation	0.615	0.603	0.621
Skewness	-0.774	-0.067	-0.098
Kurtosis	5.641	0.747	1.063
Median		2.030	
Skewness2		-0.225	
Percent Gravel	0.09		
Percent Sand	99.09		
Percent Mud	0.82		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 54

TOTAL SAMPLE WEIGHT 100.12 grams
SUB-SAMPLE SPLIT WEIGHT 12.58 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	3.09	3.09	3.09	3.09		
4.00	-2.00	4.32	4.32	4.31	7.40		
2.83	-1.50	5.58	5.58	5.57	12.97		
2.00	-1.00	5.81	5.81	5.80	18.78		
1.68	-0.75	0.55	3.53	3.52	22.30		
1.41	-0.50	0.54	3.46	3.46	25.76		
1.19	-0.25	0.51	3.27	3.27	29.03		
1.00	0.00	0.38	2.44	2.43	31.46		
0.84	0.25	0.35	2.24	2.24	33.70		
0.71	0.50	0.37	2.37	2.37	36.07		
0.59	0.75	0.50	3.21	3.20	39.28		
0.50	1.00	0.64	4.10	4.10	43.38		
0.42	1.25	0.68	4.36	4.36	47.73		
0.35	1.50	1.22	7.82	7.82	55.55		
0.30	1.75	1.23	7.89	7.88	63.43		
0.25	2.00	1.33	8.53	8.52	71.95		
0.210	2.25	1.05	6.73	6.73	78.67		
0.177	2.50	1.39	8.92	8.90	87.58		
0.149	2.75	0.98	6.29	6.28	93.86		
0.125	3.00	0.45	2.89	2.88	96.74		
0.105	3.25	0.23	1.48	1.47	98.21		
0.088	3.50	0.10	0.64	0.64	98.85		
0.074	3.75	0.05	0.32	0.32	99.17		
0.0625	4.00	0.03	0.19	0.19	99.37		
<0.0625	Pan	0.01	0.63	0.63	100.00		
Wet sieved mud		0.57					
	TOTAL		100.12	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	0.693	0.250	0.503
Deviation	1.718	1.868	1.728
Skewness	-0.801	-0.406	-0.395
Kurtosis	2.507	0.402	0.754
Median		1.009	
Skewness2		-0.539	
Percent Gravel	18.78		
Percent Sand	80.59		
Percent Mud	0.63		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 55

TOTAL SAMPLE WEIGHT 79.07 grams
SUB-SAMPLE SPLIT WEIGHT 20.87 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.04	0.04	0.05	0.05		
1.68	-0.75	0.01	0.04	0.05	0.10		
1.41	-0.50	0.01	0.04	0.05	0.15		
1.19	-0.25	0.02	0.08	0.10	0.24		
1.00	0.00	0.03	0.11	0.14	0.38		
0.84	0.25	0.04	0.15	0.19	0.57		
0.71	0.50	0.10	0.38	0.48	1.05		
0.59	0.75	0.16	0.60	0.76	1.81		
0.50	1.00	0.27	1.01	1.28	3.09		
0.42	1.25	0.40	1.50	1.90	4.99		
0.35	1.50	1.10	4.13	5.23	10.22		
0.30	1.75	2.01	7.55	9.55	19.77		
0.25	2.00	3.41	12.81	16.20	35.97		
0.210	2.25	3.89	14.61	18.48	54.45		
0.177	2.50	4.68	17.58	22.23	76.68		
0.149	2.75	3.15	11.83	14.96	91.64		
0.125	3.00	1.04	3.91	4.94	96.58		
0.105	3.25	0.34	1.28	1.62	98.20		
0.088	3.50	0.11	0.41	0.52	98.72		
0.074	3.75	0.07	0.26	0.33	99.05		
0.0625	4.00	0.04	0.15	0.19	99.24		
<0.0625	Pan	0.01	0.60	0.76	100.00		
Wet sieved mud		0.56					
	TOTAL		79.07	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.988	1.889	1.899
Deviation	0.525	0.529	0.539
Skewness	-0.737	-0.054	-0.100
Kurtosis	5.499	0.712	1.077
Median		1.918	
Skewness2		-0.248	
Percent Gravel	0.05		
Percent Sand	99.19		
Percent Mud	0.76		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 56

TOTAL SAMPLE WEIGHT 87.42 grams
SUB-SAMPLE SPLIT WEIGHT 13.38 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.29	0.29	0.33	0.33		
2.00	-1.00	0.46	0.46	0.53	0.86		
1.68	-0.75	0.04	0.25	0.29	1.15		
1.41	-0.50	0.04	0.25	0.29	1.44		
1.19	-0.25	0.08	0.51	0.58	2.02		
1.00	0.00	0.10	0.64	0.73	2.75		
0.84	0.25	0.15	0.96	1.09	3.85		
0.71	0.50	0.19	1.21	1.39	5.23		
0.59	0.75	0.28	1.78	2.04	7.27		
0.50	1.00	0.40	2.55	2.92	10.19		
0.42	1.25	0.47	3.00	3.43	13.62		
0.35	1.50	0.91	5.80	6.63	20.25		
0.30	1.75	0.86	5.48	6.27	26.52		
0.25	2.00	0.95	6.05	6.93	33.45		
0.210	2.25	0.85	5.42	6.20	39.64		
0.177	2.50	1.42	9.05	10.35	50.00		
0.149	2.75	1.83	11.66	13.34	63.34		
0.125	3.00	1.82	11.60	13.27	76.61		
0.105	3.25	1.45	9.24	10.57	87.18		
0.088	3.50	0.87	5.54	6.34	93.52		
0.074	3.75	0.52	3.31	3.79	97.31		
0.0625	4.00	0.17	1.08	1.24	98.55		
<0.0625	Pan	0.02	1.27	1.45	100.00		
Wet sieved mud		1.14					
	TOTAL		87.42	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.119	1.980	2.063
Deviation	0.952	0.953	0.942
Skewness	-1.045	-0.261	-0.294
Kurtosis	4.862	0.612	0.981
Median		2.228	
Skewness2		-0.529	
Percent Gravel	0.86		
Percent Sand	97.69		
Percent Mud	1.45		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 57

TOTAL SAMPLE WEIGHT 81.70 grams
SUB-SAMPLE SPLIT WEIGHT 10.96 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
1.68	-0.75	0.00	0.00	0.00	0.00		
1.41	-0.50	0.01	0.07	0.09	0.09		
1.19	-0.25	0.01	0.07	0.09	0.18		
1.00	0.00	0.01	0.07	0.09	0.27		
0.84	0.25	0.02	0.15	0.18	0.45		
0.71	0.50	0.02	0.15	0.18	0.63		
0.59	0.75	0.03	0.22	0.27	0.91		
0.50	1.00	0.06	0.44	0.54	1.45		
0.42	1.25	0.09	0.67	0.82	2.27		
0.35	1.50	0.31	2.30	2.81	5.08		
0.30	1.75	0.63	4.66	5.71	10.79		
0.25	2.00	1.39	10.29	12.60	23.38		
0.210	2.25	1.93	14.29	17.49	40.88		
0.177	2.50	2.83	20.96	25.65	66.52		
0.149	2.75	2.31	17.10	20.94	87.46		
0.125	3.00	0.88	6.52	7.98	95.44		
0.105	3.25	0.28	2.07	2.54	97.97		
0.088	3.50	0.08	0.59	0.73	98.70		
0.074	3.75	0.04	0.30	0.36	99.06		
0.0625	4.00	0.03	0.22	0.27	99.33		
<0.0625	Pan	0.01	0.54	0.67	100.00		
Wet sieved mud		0.47					
	TOTAL		81.70	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.138	2.044	2.048
Deviation	0.488	0.499	0.476
Skewness	-0.925	-0.021	-0.058
Kurtosis	7.785	0.501	0.987
Median		2.055	
Skewness2		-0.143	
Percent Gravel	0.00		
Percent Sand	99.33		
Percent Mud	0.67		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 58

TOTAL SAMPLE WEIGHT 82.44 grams
SUB-SAMPLE SPLIT WEIGHT 12.41 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
1.68	-0.75	0.00	0.00	0.00	0.00		
1.41	-0.50	0.00	0.00	0.00	0.00		
1.19	-0.25	0.02	0.13	0.16	0.16		
1.00	0.00	0.02	0.13	0.16	0.32		
0.84	0.25	0.01	0.07	0.08	0.40		
0.71	0.50	0.02	0.13	0.16	0.56		
0.59	0.75	0.05	0.33	0.40	0.96		
0.50	1.00	0.07	0.46	0.56	1.52		
0.42	1.25	0.12	0.79	0.96	2.48		
0.35	1.50	0.42	2.77	3.36	5.85		
0.30	1.75	0.87	5.74	6.97	12.81		
0.25	2.00	2.20	14.52	17.62	30.43		
0.210	2.25	3.04	20.07	24.34	54.77		
0.177	2.50	3.51	23.17	28.11	82.88		
0.149	2.75	1.62	10.69	12.97	95.85		
0.125	3.00	0.32	2.11	2.56	98.41		
0.105	3.25	0.08	0.53	0.64	99.05		
0.088	3.50	0.03	0.20	0.24	99.29		
0.074	3.75	0.02	0.13	0.16	99.45		
0.0625	4.00	0.01	0.07	0.08	99.53		
<0.0625	Pan	0.01	0.39	0.47	100.00		
Wet sieved mud		0.32					
	TOTAL		82.44	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.021	1.864	1.888
Deviation	0.412	0.409	0.428
Skewness	-0.982	-0.171	-0.117
Kurtosis	7.003	0.804	1.132
Median		1.934	
Skewness2		-0.114	
Percent Gravel	0.00		
Percent Sand	99.53		
Percent Mud	0.47		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 59

TOTAL SAMPLE WEIGHT 95.88 grams
SUB-SAMPLE SPLIT WEIGHT 14.36 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.02	0.02	0.02	0.02		
1.68	-0.75	0.00	0.00	0.00	0.02		
1.41	-0.50	0.02	0.13	0.14	0.16		
1.19	-0.25	0.01	0.07	0.07	0.23		
1.00	0.00	0.02	0.13	0.14	0.37		
0.84	0.25	0.02	0.13	0.14	0.51		
0.71	0.50	0.04	0.27	0.28	0.78		
0.59	0.75	0.06	0.40	0.42	1.20		
0.50	1.00	0.11	0.73	0.76	1.96		
0.42	1.25	0.21	1.40	1.46	3.42		
0.35	1.50	0.76	5.05	5.27	8.69		
0.30	1.75	1.43	9.51	9.92	18.61		
0.25	2.00	2.92	19.42	20.25	38.86		
0.210	2.25	3.29	21.88	22.82	61.68		
0.177	2.50	3.26	21.68	22.61	84.29		
0.149	2.75	1.61	10.71	11.17	95.46		
0.125	3.00	0.40	2.66	2.77	98.23		
0.105	3.25	0.12	0.80	0.83	99.06		
0.088	3.50	0.05	0.33	0.35	99.41		
0.074	3.75	0.02	0.13	0.14	99.55		
0.0625	4.00	0.01	0.07	0.07	99.62		
<0.0625	Pan	0.01	0.37	0.38	100.00		
Wet sieved mud		0.30					
	TOTAL		95.88	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.945	1.807	1.828
Deviation	0.473	0.437	0.468
Skewness	-1.144	-0.146	-0.117
Kurtosis	8.435	0.806	1.078
Median		1.870	
Skewness2		-0.167	
Percent Gravel	0.02		
Percent Sand	99.60		
Percent Mud	0.38		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 60

TOTAL SAMPLE WEIGHT 82.80 grams
SUB-SAMPLE SPLIT WEIGHT 11.16 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.53	0.53	0.64	0.64		
4.00	-2.00	0.21	0.21	0.25	0.89		
2.83	-1.50	0.63	0.63	0.76	1.65		
2.00	-1.00	0.98	0.98	1.18	2.84		
1.68	-0.75	0.04	0.29	0.35	3.18		
1.41	-0.50	0.06	0.43	0.52	3.70		
1.19	-0.25	0.09	0.64	0.78	4.48		
1.00	0.00	0.10	0.72	0.87	5.35		
0.84	0.25	0.10	0.72	0.87	6.21		
0.71	0.50	0.18	1.29	1.56	7.77		
0.59	0.75	0.30	2.15	2.60	10.36		
0.50	1.00	0.43	3.08	3.72	14.08		
0.42	1.25	0.59	4.23	5.10	19.19		
0.35	1.50	1.48	10.60	12.80	31.99		
0.30	1.75	2.34	16.76	20.24	52.23		
0.25	2.00	2.66	19.05	23.01	75.24		
0.210	2.25	1.40	10.03	12.11	87.35		
0.177	2.50	0.96	6.88	8.30	95.66		
0.149	2.75	0.30	2.15	2.60	98.25		
0.125	3.00	0.08	0.57	0.69	98.95		
0.105	3.25	0.03	0.21	0.26	99.21		
0.088	3.50	0.02	0.14	0.17	99.38		
0.074	3.75	0.01	0.07	0.09	99.46		
0.0625	4.00	0.01	0.07	0.09	99.55		
<0.0625	Pan	0.01	0.37	0.45	100.00		
Wet sieved mud		0.30					
	TOTAL		82.80	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.445	1.378	1.404
Deviation	0.885	0.577	0.680
Skewness	-2.599	-0.134	-0.270
Kurtosis	12.452	1.241	1.532
Median		1.456	
Skewness2		-0.910	
Percent Gravel	2.84		
Percent Sand	96.71		
Percent Mud	0.45		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 61

TOTAL SAMPLE WEIGHT 82.92 grams
SUB-SAMPLE SPLIT WEIGHT 11.34 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.11	0.11	0.13	0.13		
2.83	-1.50	0.11	0.11	0.13	0.27		
2.00	-1.00	0.13	0.13	0.16	0.42		
1.68	-0.75	0.01	0.07	0.09	0.51		
1.41	-0.50	0.03	0.22	0.26	0.77		
1.19	-0.25	0.03	0.22	0.26	1.03		
1.00	0.00	0.03	0.22	0.26	1.30		
0.84	0.25	0.05	0.36	0.44	1.73		
0.71	0.50	0.07	0.51	0.61	2.34		
0.59	0.75	0.09	0.65	0.79	3.13		
0.50	1.00	0.17	1.23	1.49	4.62		
0.42	1.25	0.28	2.03	2.45	7.06		
0.35	1.50	0.99	7.17	8.65	15.71		
0.30	1.75	1.54	11.16	13.46	29.17		
0.25	2.00	2.40	17.39	20.97	50.14		
0.210	2.25	2.37	17.17	20.71	70.84		
0.177	2.50	2.14	15.50	18.70	89.54		
0.149	2.75	0.89	6.45	7.78	97.32		
0.125	3.00	0.17	1.23	1.49	98.80		
0.105	3.25	0.04	0.29	0.35	99.15		
0.088	3.50	0.02	0.14	0.17	99.33		
0.074	3.75	0.01	0.07	0.09	99.42		
0.0625	4.00	0.01	0.07	0.09	99.50		
<0.0625	Pan	0.01	0.41	0.50	100.00		
Wet sieved mud		0.34					
	TOTAL		82.92	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.803	1.714	1.724
Deviation	0.562	0.461	0.496
Skewness	-1.806	-0.067	-0.091
Kurtosis	11.410	0.903	1.060
Median		1.744	
Skewness2		-0.221	
Percent Gravel	0.42		
Percent Sand	99.08		
Percent Mud	0.50		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 62

TOTAL SAMPLE WEIGHT 88.23 grams
SUB-SAMPLE SPLIT WEIGHT 13.32 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.19	0.19	0.22	0.22		
1.68	-0.75	0.03	0.20	0.22	0.44		
1.41	-0.50	0.07	0.46	0.52	0.96		
1.19	-0.25	0.04	0.26	0.30	1.26		
1.00	0.00	0.05	0.33	0.37	1.63		
0.84	0.25	0.03	0.20	0.22	1.86		
0.71	0.50	0.05	0.33	0.37	2.23		
0.59	0.75	0.07	0.46	0.52	2.75		
0.50	1.00	0.09	0.59	0.67	3.42		
0.42	1.25	0.16	1.05	1.19	4.61		
0.35	1.50	0.47	3.09	3.50	8.12		
0.30	1.75	0.78	5.13	5.81	13.93		
0.25	2.00	1.66	10.92	12.37	26.30		
0.210	2.25	2.31	15.19	17.22	43.52		
0.177	2.50	3.46	22.75	25.79	69.31		
0.149	2.75	2.56	16.83	19.08	88.39		
0.125	3.00	1.01	6.64	7.53	95.91		
0.105	3.25	0.32	2.10	2.39	98.30		
0.088	3.50	0.09	0.59	0.67	98.97		
0.074	3.75	0.03	0.20	0.22	99.19		
0.0625	4.00	0.01	0.07	0.07	99.27		
<0.0625	Pan	0.01	0.65	0.73	100.00		
Wet sieved mud		0.58					
	TOTAL		88.23	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.066	1.989	2.000
Deviation	0.596	0.526	0.536
Skewness	-2.001	-0.061	-0.144
Kurtosis	10.684	0.718	1.161
Median		2.021	
Skewness2		-0.389	
Percent Gravel	0.22		
Percent Sand	99.05		
Percent Mud	0.73		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 63

TOTAL SAMPLE WEIGHT 130.23 grams
SUB-SAMPLE SPLIT WEIGHT 17.61 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
1.68	-0.75	0.01	0.07	0.06	0.06		
1.41	-0.50	0.00	0.00	0.00	0.06		
1.19	-0.25	0.01	0.07	0.06	0.11		
1.00	0.00	0.02	0.15	0.11	0.23		
0.84	0.25	0.04	0.29	0.23	0.45		
0.71	0.50	0.05	0.37	0.28	0.74		
0.59	0.75	0.11	0.81	0.62	1.36		
0.50	1.00	0.24	1.77	1.36	2.71		
0.42	1.25	0.50	3.68	2.83	5.54		
0.35	1.50	1.69	12.45	9.56	15.10		
0.30	1.75	3.36	24.74	19.00	34.10		
0.25	2.00	4.73	34.83	26.75	60.85		
0.210	2.25	3.51	25.85	19.85	80.70		
0.177	2.50	2.20	16.20	12.44	93.14		
0.149	2.75	0.83	6.11	4.69	97.83		
0.125	3.00	0.17	1.25	0.96	98.79		
0.105	3.25	0.06	0.44	0.34	99.13		
0.088	3.50	0.03	0.22	0.17	99.30		
0.074	3.75	0.02	0.15	0.11	99.42		
0.0625	4.00	0.02	0.15	0.11	99.53		
<0.0625	Pan	0.01	0.61	0.47	100.00		
Wet sieved mud		0.54					
	TOTAL		130.23	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.767	1.681	1.663
Deviation	0.434	0.422	0.443
Skewness	-0.216	0.123	0.048
Kurtosis	5.278	0.819	1.036
Median		1.629	
Skewness2		-0.049	
Percent Gravel		0.00	
Percent Sand		99.53	
Percent Mud		0.47	

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 65

TOTAL SAMPLE WEIGHT 82.32 grams
SUB-SAMPLE SPLIT WEIGHT 20.57 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
1.68	-0.75	0.02	0.08	0.10	0.10		
1.41	-0.50	0.00	0.00	0.00	0.10		
1.19	-0.25	0.01	0.04	0.05	0.15		
1.00	0.00	0.02	0.08	0.10	0.24		
0.84	0.25	0.01	0.04	0.05	0.29		
0.71	0.50	0.04	0.16	0.19	0.48		
0.59	0.75	0.12	0.48	0.58	1.06		
0.50	1.00	0.35	1.39	1.69	2.76		
0.42	1.25	0.84	3.35	4.07	6.83		
0.35	1.50	3.06	12.19	14.81	21.64		
0.30	1.75	4.72	18.81	22.85	44.49		
0.25	2.00	5.44	21.68	26.33	70.82		
0.210	2.25	3.40	13.55	16.46	87.28		
0.177	2.50	1.70	6.77	8.23	95.51		
0.149	2.75	0.55	2.19	2.66	98.17		
0.125	3.00	0.13	0.52	0.63	98.80		
0.105	3.25	0.06	0.24	0.29	99.09		
0.088	3.50	0.03	0.12	0.15	99.24		
0.074	3.75	0.03	0.12	0.15	99.38		
0.0625	4.00	0.02	0.08	0.10	99.48		
<0.0625	Pan	0.01	0.43	0.52	100.00		
Wet sieved mud		0.39					
	TOTAL		82.32	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.665	1.553	1.547
Deviation	0.421	0.455	0.443
Skewness	0.086	0.039	0.008
Kurtosis	5.065	0.562	1.071
Median		1.536	
Skewness2		-0.036	
Percent Gravel	0.00		
Percent Sand	99.48		
Percent Mud	0.52		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 66

TOTAL SAMPLE WEIGHT 153.24 grams
SUB-SAMPLE SPLIT WEIGHT 19.34 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
1.68	-0.75	0.00	0.00	0.00	0.00		
1.41	-0.50	0.01	0.08	0.05	0.05		
1.19	-0.25	0.00	0.00	0.00	0.05		
1.00	0.00	0.00	0.00	0.00	0.05		
0.84	0.25	0.00	0.00	0.00	0.05		
0.71	0.50	0.01	0.08	0.05	0.10		
0.59	0.75	0.02	0.16	0.10	0.21		
0.50	1.00	0.08	0.63	0.41	0.62		
0.42	1.25	0.18	1.41	0.92	1.54		
0.35	1.50	0.85	6.68	4.36	5.90		
0.30	1.75	1.99	15.64	10.20	16.10		
0.25	2.00	3.91	30.72	20.05	36.15		
0.210	2.25	4.33	34.02	22.20	58.35		
0.177	2.50	4.46	35.04	22.87	81.22		
0.149	2.75	2.50	19.64	12.82	94.04		
0.125	3.00	0.70	5.50	3.59	97.63		
0.105	3.25	0.18	1.41	0.92	98.55		
0.088	3.50	0.06	0.47	0.31	98.86		
0.074	3.75	0.04	0.31	0.21	99.06		
0.0625	4.00	0.02	0.16	0.10	99.17		
<0.0625	Pan	0.01	1.28	0.83	100.00		
Wet sieved mud		1.20					
	TOTAL		153.24	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.999	1.864	1.876
Deviation	0.422	0.449	0.450
Skewness	-0.408	-0.078	-0.036
Kurtosis	6.225	0.652	0.995
Median		1.899	
Skewness2		0.010	
Percent Gravel	0.00		
Percent Sand	99.17		
Percent Mud	0.83		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 67

TOTAL SAMPLE WEIGHT 121.68 grams
SUB-SAMPLE SPLIT WEIGHT 15.52 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
1.68	-0.75	0.00	0.00	0.00	0.00		
1.41	-0.50	0.00	0.00	0.00	0.00		
1.19	-0.25	0.00	0.00	0.00	0.00		
1.00	0.00	0.00	0.00	0.00	0.00		
0.84	0.25	0.00	0.00	0.00	0.00		
0.71	0.50	0.01	0.08	0.06	0.06		
0.59	0.75	0.01	0.08	0.06	0.13		
0.50	1.00	0.03	0.23	0.19	0.32		
0.42	1.25	0.07	0.55	0.45	0.77		
0.35	1.50	0.36	2.80	2.30	3.07		
0.30	1.75	1.19	9.27	7.62	10.69		
0.25	2.00	3.24	25.24	20.74	31.43		
0.210	2.25	4.16	32.40	26.63	58.06		
0.177	2.50	4.12	32.09	26.37	84.43		
0.149	2.75	1.80	14.02	11.52	95.95		
0.125	3.00	0.34	2.65	2.18	98.13		
0.105	3.25	0.09	0.70	0.58	98.70		
0.088	3.50	0.04	0.31	0.26	98.96		
0.074	3.75	0.03	0.23	0.19	99.15		
0.0625	4.00	0.02	0.16	0.13	99.28		
<0.0625	Pan	0.01	0.88	0.72	100.00		
Wet sieved mud		0.80					
	TOTAL		121.68	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.029	1.858	1.879
Deviation	0.358	0.382	0.392
Skewness	-0.033	-0.167	-0.064
Kurtosis	5.189	0.737	1.041
Median		1.922	
Skewness2		0.066	
Percent Gravel	0.00		
Percent Sand	99.28		
Percent Mud	0.72		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 71

TOTAL SAMPLE WEIGHT 68.78 grams
SUB-SAMPLE SPLIT WEIGHT 27.77 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	2.12	2.12	3.08	3.08		
5.66	-2.50	0.00	0.00	0.00	3.08		
4.00	-2.00	0.00	0.00	0.00	3.08		
2.83	-1.50	0.53	0.53	0.77	3.85		
2.00	-1.00	0.38	0.38	0.55	4.40		
1.68	-0.75	0.26	0.26	0.38	4.78		
1.41	-0.50	0.20	0.20	0.29	5.08		
1.19	-0.25	0.45	0.45	0.66	5.74		
1.00	0.00	0.43	0.43	0.63	6.37		
0.84	0.25	0.48	0.48	0.70	7.07		
0.71	0.50	0.59	0.59	0.86	7.93		
0.59	0.75	0.79	0.80	1.16	9.09		
0.50	1.00	0.88	0.89	1.29	10.38		
0.42	1.25	1.11	1.12	1.63	12.00		
0.35	1.50	2.24	2.26	3.28	15.28		
0.30	1.75	2.65	2.67	3.88	19.16		
0.25	2.00	3.72	3.75	5.45	24.61		
0.210	2.25	3.25	3.27	4.76	29.37		
0.177	2.50	3.30	3.33	4.83	34.20		
0.149	2.75	2.57	2.59	3.76	37.97		
0.125	3.00	1.40	1.41	2.05	40.02		
0.105	3.25	0.86	0.87	1.26	41.28		
0.088	3.50	0.69	0.70	1.01	42.29		
0.074	3.75	0.68	0.69	1.00	43.28		
0.0625	4.00	0.61	0.61	0.89	44.18		
<0.0625	Pan	0.40	38.41	55.82	100.00		
Wet sieved mud		38.01					
	TOTAL		68.81	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.684	1.237	1.363
Deviation	1.159	1.263	1.627
Skewness	-1.147	-0.299	-0.411
Kurtosis	5.210	1.602	1.957
Median		1.615	
Skewness2		-1.363	
Percent Gravel	4.40		
Percent Sand	39.77		
Percent Mud	55.82		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 72

TOTAL SAMPLE WEIGHT 951.65 grams
SUB-SAMPLE SPLIT WEIGHT 18.57 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	104.15	104.15	10.94	10.94		
22.6	-4.50	0.00	0.00	0.00	10.94		
16.0	-4.00	0.00	0.00	0.00	10.94		
11.3	-3.50	6.49	6.49	0.68	11.63		
8.00	-3.00	7.93	7.93	0.83	12.46		
5.66	-2.50	4.45	4.45	0.47	12.93		
4.00	-2.00	4.66	4.66	0.49	13.42		
2.83	-1.50	7.30	7.30	0.77	14.18		
2.00	-1.00	8.80	8.80	0.92	15.11		
1.68	-0.75	0.17	4.94	0.52	15.63		
1.41	-0.50	0.18	5.23	0.55	16.18		
1.19	-0.25	0.23	6.68	0.70	16.88		
1.00	0.00	0.26	7.56	0.79	17.67		
0.84	0.25	0.23	6.68	0.70	18.38		
0.71	0.50	0.32	9.30	0.98	19.35		
0.59	0.75	0.45	13.08	1.37	20.73		
0.50	1.00	0.57	16.57	1.74	22.47		
0.42	1.25	0.80	23.25	2.44	24.91		
0.35	1.50	1.49	43.31	4.55	29.46		
0.30	1.75	1.63	47.38	4.98	34.44		
0.25	2.00	1.91	55.51	5.83	40.27		
0.210	2.25	1.72	49.99	5.25	45.53		
0.177	2.50	2.14	62.20	6.54	52.06		
0.149	2.75	1.57	45.63	4.79	56.86		
0.125	3.00	1.13	32.84	3.45	60.31		
0.105	3.25	1.13	32.84	3.45	63.76		
0.088	3.50	0.97	28.19	2.96	66.72		
0.074	3.75	0.88	25.58	2.69	69.41		
0.0625	4.00	0.65	18.89	1.99	71.40		
<0.0625	Pan	0.18	272.21	28.60	100.00		
Wet sieved mud		266.98					
	TOTAL		951.65	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.671	-0.659	0.074
Deviation	1.558	3.388	3.051
Skewness	-1.669	-0.648	-0.620
Kurtosis	6.456	0.321	1.446
Median		1.538	
Skewness2		-0.781	
Percent Gravel	15.11		
Percent Sand	56.29		
Percent Mud	28.60		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 73

TOTAL SAMPLE WEIGHT 144.85 grams
SUB-SAMPLE SPLIT WEIGHT 21.78 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.26	0.26	0.18	0.18		
2.83	-1.50	0.42	0.42	0.29	0.47		
2.00	-1.00	0.32	0.32	0.22	0.69		
1.68	-0.75	0.07	0.45	0.31	1.00		
1.41	-0.50	0.08	0.51	0.35	1.35		
1.19	-0.25	0.10	0.64	0.44	1.79		
1.00	0.00	0.09	0.57	0.40	2.18		
0.84	0.25	0.12	0.76	0.53	2.71		
0.71	0.50	0.12	0.76	0.53	3.24		
0.59	0.75	0.16	1.02	0.70	3.94		
0.50	1.00	0.20	1.27	0.88	4.82		
0.42	1.25	0.24	1.53	1.05	5.87		
0.35	1.50	0.53	3.37	2.33	8.20		
0.30	1.75	0.68	4.33	2.99	11.19		
0.25	2.00	1.12	7.13	4.92	16.11		
0.210	2.25	1.14	7.25	5.01	21.11		
0.177	2.50	2.04	12.98	8.96	30.07		
0.149	2.75	2.56	16.29	11.24	41.32		
0.125	3.00	2.61	16.60	11.46	52.78		
0.105	3.25	2.67	16.99	11.73	64.50		
0.088	3.50	2.56	16.29	11.24	75.75		
0.074	3.75	2.48	15.78	10.89	86.64		
0.0625	4.00	1.73	11.01	7.60	94.24		
<0.0625	Pan	0.49	8.35	5.76	100.00		
Wet sieved mud		5.23					
	TOTAL		144.85	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.615	2.514	2.551
Deviation	0.946	0.829	0.855
Skewness	-1.522	-0.135	-0.224
Kurtosis	7.010	0.754	1.061
Median		2.625	
Skewness2		-0.550	
Percent Gravel	0.69		
Percent Sand	93.55		
Percent Mud	5.76		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 74

TOTAL SAMPLE WEIGHT 145.10 grams
SUB-SAMPLE SPLIT WEIGHT 19.11 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.13	0.13	0.09	0.09		
2.00	-1.00	0.13	0.13	0.09	0.18		
1.68	-0.75	0.02	0.15	0.10	0.28		
1.41	-0.50	0.01	0.07	0.05	0.33		
1.19	-0.25	0.06	0.44	0.30	0.63		
1.00	0.00	0.06	0.44	0.30	0.94		
0.84	0.25	0.10	0.73	0.50	1.44		
0.71	0.50	0.15	1.10	0.76	2.20		
0.59	0.75	0.20	1.46	1.01	3.21		
0.50	1.00	0.30	2.20	1.51	4.72		
0.42	1.25	0.38	2.78	1.92	6.64		
0.35	1.50	0.84	6.15	4.24	10.88		
0.30	1.75	1.03	7.54	5.20	16.08		
0.25	2.00	1.78	13.04	8.98	25.06		
0.210	2.25	1.65	12.09	8.33	33.39		
0.177	2.50	2.36	17.29	11.91	45.31		
0.149	2.75	2.28	16.70	11.51	56.81		
0.125	3.00	1.69	12.38	8.53	65.35		
0.105	3.25	1.33	9.74	6.71	72.06		
0.088	3.50	1.26	9.23	6.36	78.42		
0.074	3.75	1.77	12.96	8.93	87.35		
0.0625	4.00	1.45	10.62	7.32	94.67		
<0.0625	Pan	0.43	7.73	5.33	100.00		
Wet sieved mud		4.58					
	TOTAL		145.10	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.405	2.342	2.328
Deviation	0.902	0.942	0.903
Skewness	-0.464	0.044	-0.021
Kurtosis	3.643	0.515	0.924
Median		2.301	
Skewness2		-0.131	
Percent Gravel	0.18		
Percent Sand	94.49		
Percent Mud	5.33		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 75

TOTAL SAMPLE WEIGHT 143.34 grams
SUB-SAMPLE SPLIT WEIGHT 10.66 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
1.68	-0.75	0.00	0.00	0.00	0.00		
1.41	-0.50	0.01	0.07	0.05	0.05		
1.19	-0.25	0.00	0.00	0.00	0.05		
1.00	0.00	0.02	0.14	0.10	0.15		
0.84	0.25	0.01	0.07	0.05	0.20		
0.71	0.50	0.02	0.14	0.10	0.30		
0.59	0.75	0.03	0.21	0.15	0.45		
0.50	1.00	0.05	0.35	0.25	0.69		
0.42	1.25	0.06	0.43	0.30	0.99		
0.35	1.50	0.16	1.14	0.79	1.78		
0.30	1.75	0.26	1.85	1.29	3.07		
0.25	2.00	0.41	2.91	2.03	5.10		
0.210	2.25	0.38	2.70	1.88	6.98		
0.177	2.50	0.59	4.19	2.92	9.91		
0.149	2.75	0.72	5.11	3.57	13.47		
0.125	3.00	0.94	6.67	4.66	18.13		
0.105	3.25	1.63	11.57	8.07	26.20		
0.088	3.50	2.73	19.38	13.52	39.72		
0.074	3.75	4.65	33.01	23.03	62.75		
0.0625	4.00	4.34	30.81	21.50	84.25		
<0.0625	Pan	1.66	22.58	15.75	100.00		
Wet sieved mud		10.79					
	TOTAL		143.34	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	3.237	3.033	3.114
Deviation	0.688	0.566	0.599
Skewness	-1.857	-0.431	-0.512
Kurtosis	7.293	0.845	1.230
Median		3.277	
Skewness2		-1.092	
Percent Gravel	0.00		
Percent Sand	84.25		
Percent Mud	15.75		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 76

TOTAL SAMPLE WEIGHT 157.79 grams
SUB-SAMPLE SPLIT WEIGHT 23.00 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.11	0.11	0.07	0.07		
1.68	-0.75	0.05	0.33	0.21	0.28		
1.41	-0.50	0.03	0.20	0.13	0.41		
1.19	-0.25	0.02	0.13	0.08	0.49		
1.00	0.00	0.06	0.40	0.25	0.75		
0.84	0.25	0.04	0.27	0.17	0.92		
0.71	0.50	0.08	0.54	0.34	1.26		
0.59	0.75	0.11	0.74	0.47	1.73		
0.50	1.00	0.12	0.80	0.51	2.23		
0.42	1.25	0.13	0.87	0.55	2.79		
0.35	1.50	0.25	1.67	1.06	3.85		
0.30	1.75	0.35	2.34	1.49	5.33		
0.25	2.00	0.57	3.82	2.42	7.75		
0.210	2.25	0.76	5.09	3.23	10.98		
0.177	2.50	2.01	13.46	8.53	19.51		
0.149	2.75	4.42	29.61	18.76	38.28		
0.125	3.00	5.32	35.64	22.59	60.86		
0.105	3.25	4.07	27.26	17.28	78.14		
0.088	3.50	2.26	15.14	9.59	87.74		
0.074	3.75	1.41	9.45	5.99	93.72		
0.0625	4.00	0.76	5.09	3.23	96.95		
<0.0625	Pan	0.19	4.81	3.05	100.00		
Wet sieved mud		3.54					
	TOTAL		157.79	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.681	2.606	2.604
Deviation	0.650	0.526	0.583
Skewness	-1.600	0.012	-0.074
Kurtosis	8.443	1.003	1.303
Median		2.600	
Skewness2		-0.319	
Percent Gravel	0.07		
Percent Sand	96.88		
Percent Mud	3.05		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 77

TOTAL SAMPLE WEIGHT 166.62 grams
SUB-SAMPLE SPLIT WEIGHT 24.64 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.37	0.37	0.22	0.22		
2.83	-1.50	0.12	0.12	0.07	0.29		
2.00	-1.00	0.35	0.35	0.21	0.50		
1.68	-0.75	0.10	0.66	0.40	0.90		
1.41	-0.50	0.09	0.60	0.36	1.26		
1.19	-0.25	0.09	0.60	0.36	1.62		
1.00	0.00	0.14	0.93	0.56	2.17		
0.84	0.25	0.21	1.39	0.84	3.01		
0.71	0.50	0.29	1.92	1.15	4.16		
0.59	0.75	0.40	2.65	1.59	5.75		
0.50	1.00	0.46	3.05	1.83	7.58		
0.42	1.25	0.48	3.18	1.91	9.49		
0.35	1.50	0.85	5.63	3.38	12.87		
0.30	1.75	0.89	5.90	3.54	16.41		
0.25	2.00	1.33	8.81	5.29	21.70		
0.210	2.25	1.56	10.34	6.21	27.91		
0.177	2.50	3.10	20.55	12.33	40.24		
0.149	2.75	3.78	25.05	15.04	55.28		
0.125	3.00	3.59	23.79	14.28	69.55		
0.105	3.25	3.07	20.35	12.21	81.77		
0.088	3.50	2.05	13.59	8.15	89.92		
0.074	3.75	1.45	9.61	5.77	95.69		
0.0625	4.00	0.61	4.04	2.43	98.11		
<0.0625	Pan	0.10	3.14	1.89	100.00		
Wet sieved mud		2.48					
	TOTAL		166.62	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.350	2.230	2.292
Deviation	0.881	0.820	0.882
Skewness	-1.167	-0.196	-0.259
Kurtosis	5.105	0.867	1.239
Median		2.400	
Skewness2		-0.599	
Percent Gravel	0.50		
Percent Sand	97.61		
Percent Mud	1.89		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 78

TOTAL SAMPLE WEIGHT 155.54 grams
SUB-SAMPLE SPLIT WEIGHT 23.55 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.16	0.16	0.10	0.10		
2.83	-1.50	0.14	0.14	0.09	0.19		
2.00	-1.00	0.54	0.54	0.35	0.54		
1.68	-0.75	0.07	0.45	0.29	0.83		
1.41	-0.50	0.08	0.51	0.33	1.16		
1.19	-0.25	0.08	0.51	0.33	1.49		
1.00	0.00	0.13	0.83	0.54	2.02		
0.84	0.25	0.13	0.83	0.54	2.56		
0.71	0.50	0.16	1.03	0.66	3.22		
0.59	0.75	0.20	1.28	0.82	4.04		
0.50	1.00	0.25	1.60	1.03	5.07		
0.42	1.25	0.29	1.86	1.20	6.27		
0.35	1.50	0.60	3.85	2.47	8.74		
0.30	1.75	0.75	4.81	3.09	11.83		
0.25	2.00	0.96	6.15	3.96	15.79		
0.210	2.25	0.96	6.15	3.96	19.74		
0.177	2.50	1.89	12.11	7.79	27.53		
0.149	2.75	3.52	22.56	14.51	42.04		
0.125	3.00	4.67	29.93	19.24	61.28		
0.105	3.25	3.56	22.82	14.67	75.95		
0.088	3.50	2.24	14.36	9.23	85.18		
0.074	3.75	1.86	11.92	7.66	92.84		
0.0625	4.00	0.97	6.22	4.00	96.84		
<0.0625	Pan	0.20	4.91	3.16	100.00		
Wet sieved mud		3.63					
	TOTAL		155.54	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.549	2.450	2.486
Deviation	0.849	0.720	0.793
Skewness	-1.546	-0.153	-0.232
Kurtosis	6.817	0.982	1.331
Median		2.559	
Skewness2		-0.617	
Percent Gravel	0.54		
Percent Sand	96.30		
Percent Mud	3.16		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 79

TOTAL SAMPLE WEIGHT 207.37 grams
SUB-SAMPLE SPLIT WEIGHT 27.21 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	1.07	1.07	0.52	0.52		
5.66	-2.50	2.90	2.90	1.40	1.91		
4.00	-2.00	3.51	3.51	1.69	3.61		
2.83	-1.50	4.36	4.36	2.10	5.71		
2.00	-1.00	6.48	6.48	3.12	8.83		
1.68	-0.75	0.46	3.14	1.51	10.35		
1.41	-0.50	0.52	3.55	1.71	12.06		
1.19	-0.25	0.58	3.96	1.91	13.97		
1.00	0.00	0.58	3.96	1.91	15.88		
0.84	0.25	0.50	3.41	1.65	17.52		
0.71	0.50	0.55	3.75	1.81	19.34		
0.59	0.75	0.68	4.64	2.24	21.57		
0.50	1.00	0.76	5.19	2.50	24.08		
0.42	1.25	0.78	5.32	2.57	26.64		
0.35	1.50	1.17	7.99	3.85	30.49		
0.30	1.75	1.02	6.96	3.36	33.85		
0.25	2.00	1.15	7.85	3.79	37.64		
0.210	2.25	1.00	6.83	3.29	40.93		
0.177	2.50	2.15	14.68	7.08	48.01		
0.149	2.75	4.27	29.15	14.06	62.06		
0.125	3.00	4.56	31.13	15.01	77.07		
0.105	3.25	2.74	18.70	9.02	86.09		
0.088	3.50	1.81	12.36	5.96	92.05		
0.074	3.75	1.35	9.22	4.44	96.50		
0.0625	4.00	0.57	3.89	1.88	98.37		
<0.0625	Pan	0.09	3.37	1.63	100.00		
Wet sieved mud		2.76					
	TOTAL		207.37	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.771	1.334	1.646
Deviation	1.612	1.602	1.632
Skewness	-1.373	-0.585	-0.594
Kurtosis	4.222	0.713	1.182
Median		2.270	
Skewness2		-1.032	
Percent Gravel	8.83		
Percent Sand	89.54		
Percent Mud	1.63		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 80

TOTAL SAMPLE WEIGHT 176.56 grams
SUB-SAMPLE SPLIT WEIGHT 24.62 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.18	0.18	0.10	0.10		
2.00	-1.00	0.45	0.45	0.25	0.36		
1.68	-0.75	0.08	0.56	0.32	0.68		
1.41	-0.50	0.13	0.92	0.52	1.19		
1.19	-0.25	0.22	1.55	0.88	2.07		
1.00	0.00	0.34	2.39	1.36	3.43		
0.84	0.25	0.45	3.17	1.79	5.22		
0.71	0.50	0.62	4.36	2.47	7.69		
0.59	0.75	0.78	5.49	3.11	10.80		
0.50	1.00	0.82	5.77	3.27	14.07		
0.42	1.25	0.73	5.14	2.91	16.98		
0.35	1.50	0.92	6.48	3.67	20.65		
0.30	1.75	0.60	4.22	2.39	23.04		
0.25	2.00	0.78	5.49	3.11	26.15		
0.210	2.25	1.01	7.11	4.03	30.18		
0.177	2.50	2.55	17.95	10.17	40.35		
0.149	2.75	4.51	31.75	17.98	58.33		
0.125	3.00	3.65	25.69	14.55	72.88		
0.105	3.25	2.44	17.18	9.73	82.61		
0.088	3.50	2.12	14.92	8.45	91.06		
0.074	3.75	1.37	9.64	5.46	96.52		
0.0625	4.00	0.43	3.03	1.71	98.24		
<0.0625	Pan	0.07	3.11	1.76	100.00		
Wet sieved mud		2.62					
	TOTAL		176.56	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.204	1.945	2.092
Deviation	1.040	1.070	1.063
Skewness	-1.057	-0.411	-0.412
Kurtosis	3.699	0.628	1.224
Median		2.385	
Skewness2		-0.672	
Percent Gravel	0.36		
Percent Sand	97.88		
Percent Mud	1.76		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 81

TOTAL SAMPLE WEIGHT 198.07 grams
SUB-SAMPLE SPLIT WEIGHT 26.44 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	1.44	1.44	0.73	0.73		
5.66	-2.50	0.48	0.48	0.24	0.97		
4.00	-2.00	0.70	0.70	0.35	1.32		
2.83	-1.50	1.85	1.85	0.93	2.26		
2.00	-1.00	4.29	4.29	2.17	4.42		
1.68	-0.75	0.53	3.76	1.90	6.32		
1.41	-0.50	0.76	5.39	2.72	9.04		
1.19	-0.25	1.22	8.65	4.37	13.40		
1.00	0.00	1.31	9.29	4.69	18.09		
0.84	0.25	1.55	10.99	5.55	23.64		
0.71	0.50	1.79	12.69	6.41	30.04		
0.59	0.75	1.76	12.47	6.30	36.34		
0.50	1.00	1.58	11.20	5.65	42.00		
0.42	1.25	1.33	9.43	4.76	46.76		
0.35	1.50	1.66	11.77	5.94	52.70		
0.30	1.75	1.35	9.57	4.83	57.53		
0.25	2.00	1.48	10.49	5.30	62.82		
0.210	2.25	1.09	7.73	3.90	66.72		
0.177	2.50	1.50	10.63	5.37	72.09		
0.149	2.75	2.13	15.10	7.62	79.71		
0.125	3.00	2.27	16.09	8.12	87.84		
0.105	3.25	1.55	10.99	5.55	93.38		
0.088	3.50	0.98	6.95	3.51	96.89		
0.074	3.75	0.49	3.47	1.75	98.64		
0.0625	4.00	0.13	0.92	0.47	99.11		
<0.0625	Pan	0.03	1.76	0.89	100.00		
Wet sieved mud		1.55					
	TOTAL		198.07	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.289	1.115	1.111
Deviation	1.339	1.489	1.441
Skewness	-0.406	0.008	-0.062
Kurtosis	2.660	0.545	0.823
Median		1.103	
Skewness2		-0.204	
Percent Gravel	4.42		
Percent Sand	94.69		
Percent Mud	0.89		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 82

TOTAL SAMPLE WEIGHT 238.64 grams
SUB-SAMPLE SPLIT WEIGHT 2.53 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	233.08	233.08	97.67	97.67		
22.6	-4.50	0.00	0.00	0.00	97.67		
16.0	-4.00	0.00	0.00	0.00	97.67		
11.3	-3.50	2.92	2.92	1.22	98.90		
8.00	-3.00	0.00	0.00	0.00	98.90		
5.66	-2.50	0.00	0.00	0.00	98.90		
4.00	-2.00	0.00	0.00	0.00	98.90		
2.83	-1.50	0.03	0.03	0.01	98.91		
2.00	-1.00	0.05	0.05	0.02	98.93		
1.68	-0.75	0.13	0.13	0.05	98.98		
1.41	-0.50	0.14	0.14	0.06	99.04		
1.19	-0.25	0.18	0.18	0.07	99.11		
1.00	0.00	0.30	0.29	0.12	99.24		
0.84	0.25	0.26	0.25	0.11	99.34		
0.71	0.50	0.32	0.31	0.13	99.47		
0.59	0.75	0.28	0.27	0.11	99.59		
0.50	1.00	0.24	0.23	0.10	99.69		
0.42	1.25	0.18	0.18	0.07	99.76		
0.35	1.50	0.20	0.19	0.08	99.84		
0.30	1.75	0.13	0.13	0.05	99.89		
0.25	2.00	0.09	0.09	0.04	99.93		
0.210	2.25	0.04	0.04	0.02	99.95		
0.177	2.50	0.04	0.04	0.02	99.96		
0.149	2.75	0.03	0.03	0.01	99.98		
0.125	3.00	0.02	0.02	0.01	99.98		
0.105	3.25	0.01	0.01	0.00	99.99		
0.088	3.50	0.01	0.01	0.00	99.99		
0.074	3.75	0.00	0.00	0.00	99.99		
0.0625	4.00	0.00	0.00	0.00	99.99		
<0.0625	Pan	0.00	0.02	0.01	100.00		
Wet sieved mud		0.02					
	TOTAL		238.63	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	-2.604	-5.494	-5.494
Deviation	2.130	0.174	0.157
Skewness	0.957	0.000	0.000
Kurtosis	2.239	0.324	0.738
Median		-5.494	
Skewness2		0.000	
Percent Gravel	98.93		
Percent Sand	1.06		
Percent Mud	0.01		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 84

TOTAL SAMPLE WEIGHT 637.56 grams
SUB-SAMPLE SPLIT WEIGHT 16.45 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	148.86	148.86	23.35	23.35		
22.6	-4.50	0.00	0.00	0.00	23.35		
16.0	-4.00	10.08	10.08	1.58	24.93		
11.3	-3.50	0.00	0.00	0.00	24.93		
8.00	-3.00	2.03	2.03	0.32	25.25		
5.66	-2.50	2.46	2.46	0.39	25.63		
4.00	-2.00	3.28	3.28	0.51	26.15		
2.83	-1.50	4.69	4.69	0.74	26.88		
2.00	-1.00	6.23	6.23	0.98	27.86		
1.68	-0.75	0.19	5.24	0.82	28.68		
1.41	-0.50	0.14	3.86	0.61	29.29		
1.19	-0.25	0.27	7.45	1.17	30.46		
1.00	0.00	0.16	4.41	0.69	31.15		
0.84	0.25	0.15	4.14	0.65	31.80		
0.71	0.50	0.19	5.24	0.82	32.62		
0.59	0.75	0.21	5.79	0.91	33.53		
0.50	1.00	0.20	5.51	0.87	34.39		
0.42	1.25	0.19	5.24	0.82	35.21		
0.35	1.50	0.28	7.72	1.21	36.42		
0.30	1.75	0.30	8.27	1.30	37.72		
0.25	2.00	0.52	14.34	2.25	39.97		
0.210	2.25	0.88	24.27	3.81	43.78		
0.177	2.50	2.44	67.28	10.55	54.33		
0.149	2.75	3.86	106.44	16.69	71.02		
0.125	3.00	3.17	87.41	13.71	84.74		
0.105	3.25	1.78	49.08	7.70	92.43		
0.088	3.50	0.91	25.09	3.94	96.37		
0.074	3.75	0.43	11.86	1.86	98.23		
0.0625	4.00	0.13	3.58	0.56	98.79		
<0.0625	Pan	0.08	7.71	1.21	100.00		
Wet sieved mud		5.50					
	TOTAL		637.56	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.101	-1.345	-0.204
Deviation	1.176	4.066	3.364
Skewness	-2.343	-0.842	-0.800
Kurtosis	9.022	0.080	0.522
Median		2.078	
Skewness2		-0.819	
Percent Gravel	27.86		
Percent Sand	70.93		
Percent Mud	1.21		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 05

TOTAL SAMPLE WEIGHT 191.14 grams
SUB-SAMPLE SPLIT WEIGHT 23.68 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.63	0.63	0.33	0.33		
2.83	-1.50	0.45	0.45	0.24	0.57		
2.00	-1.00	0.40	0.40	0.21	0.77		
1.68	-0.75	0.07	0.55	0.29	1.06		
1.41	-0.50	0.01	0.08	0.04	1.10		
1.19	-0.25	0.05	0.39	0.21	1.31		
1.00	0.00	0.07	0.55	0.29	1.60		
0.84	0.25	0.05	0.39	0.21	1.81		
0.71	0.50	0.09	0.71	0.37	2.18		
0.59	0.75	0.10	0.79	0.41	2.59		
0.50	1.00	0.12	0.95	0.50	3.09		
0.42	1.25	0.14	1.11	0.58	3.67		
0.35	1.50	0.31	2.45	1.28	4.95		
0.30	1.75	0.60	4.74	2.48	7.43		
0.25	2.00	1.66	13.11	6.86	14.29		
0.210	2.25	3.21	25.36	13.27	27.56		
0.177	2.50	5.74	45.34	23.72	51.28		
0.149	2.75	5.49	43.37	22.69	73.97		
0.125	3.00	2.84	22.43	11.74	85.71		
0.105	3.25	1.52	12.01	6.28	91.99		
0.088	3.50	0.94	7.43	3.88	95.87		
0.074	3.75	0.47	3.71	1.94	97.81		
0.0625	4.00	0.17	1.34	0.70	98.52		
<0.0625	Pan	0.06	2.83	1.48	100.00		
Wet sieved mud		2.36					
	TOTAL		191.14	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.305	2.239	2.233
Deviation	0.641	0.469	0.521
Skewness	-2.046	0.034	0.000
Kurtosis	14.167	1.021	1.127
Median		2.223	
Skewness2		-0.068	
Percent Gravel	0.77		
Percent Sand	97.74		
Percent Mud	1.48		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 86

TOTAL SAMPLE WEIGHT 199.46 grams
SUB-SAMPLE SPLIT WEIGHT 15.70 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
1.68	-0.75	0.01	0.12	0.06	0.06		
1.41	-0.50	0.00	0.00	0.00	0.06		
1.19	-0.25	0.00	0.00	0.00	0.06		
1.00	0.00	0.01	0.12	0.06	0.13		
0.84	0.25	0.01	0.12	0.06	0.19		
0.71	0.50	0.01	0.12	0.06	0.25		
0.59	0.75	0.02	0.25	0.13	0.38		
0.50	1.00	0.01	0.12	0.06	0.44		
0.42	1.25	0.01	0.12	0.06	0.50		
0.35	1.50	0.05	0.62	0.31	0.81		
0.30	1.75	0.17	2.12	1.06	1.88		
0.25	2.00	0.85	10.60	5.31	7.19		
0.210	2.25	2.02	25.19	12.63	19.82		
0.177	2.50	4.28	53.37	26.76	46.57		
0.149	2.75	4.23	52.75	26.44	73.02		
0.125	3.00	2.21	27.56	13.82	86.84		
0.105	3.25	1.00	12.47	6.25	93.09		
0.088	3.50	0.49	6.11	3.06	96.15		
0.074	3.75	0.23	2.87	1.44	97.59		
0.0625	4.00	0.09	1.12	0.56	98.15		
<0.0625	Pan	0.04	3.69	1.85	100.00		
Wet sieved mud		3.19					
	TOTAL		199.46	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.399	2.277	2.278
Deviation	0.426	0.419	0.440
Skewness	-0.056	-0.010	0.029
Kurtosis	6.093	0.819	1.014
Median		2.201	
Skewness2		0.123	
Percent Gravel	0.00		
Percent Sand	98.15		
Percent Mud	1.85		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 87

TOTAL SAMPLE WEIGHT 221.73 grams
SUB-SAMPLE SPLIT WEIGHT 15.94 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	1.03	1.03	0.46	0.46		
5.66	-2.50	0.00	0.00	0.00	0.46		
4.00	-2.00	0.43	0.43	0.19	0.66		
2.83	-1.50	0.55	0.55	0.25	0.91		
2.00	-1.00	0.46	0.46	0.21	1.11		
1.68	-0.75	0.01	0.13	0.06	1.17		
1.41	-0.50	0.02	0.27	0.12	1.30		
1.19	-0.25	0.03	0.40	0.18	1.48		
1.00	0.00	0.04	0.54	0.24	1.72		
0.84	0.25	0.03	0.40	0.18	1.91		
0.71	0.50	0.04	0.54	0.24	2.15		
0.59	0.75	0.05	0.67	0.30	2.45		
0.50	1.00	0.07	0.94	0.43	2.88		
0.42	1.25	0.07	0.94	0.43	3.31		
0.35	1.50	0.17	2.29	1.03	4.34		
0.30	1.75	0.32	4.32	1.95	6.29		
0.25	2.00	0.78	10.53	4.75	11.04		
0.210	2.25	1.15	15.52	7.00	18.04		
0.177	2.50	2.55	34.42	15.52	33.56		
0.149	2.75	3.57	48.19	21.73	55.30		
0.125	3.00	3.38	45.63	20.58	75.87		
0.105	3.25	2.18	29.43	13.27	89.15		
0.088	3.50	1.04	14.04	6.33	95.48		
0.074	3.75	0.35	4.72	2.13	97.61		
0.0625	4.00	0.09	1.21	0.55	98.16		
<0.0625	Pan	0.04	4.09	1.84	100.00		
Wet sieved mud		3.55					
	TOTAL		221.73	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.467	2.386	2.402
Deviation	0.660	0.532	0.554
Skewness	-2.516	-0.090	-0.145
Kurtosis	15.671	0.786	1.156
Median		2.433	
Skewness2		-0.358	
Percent Gravel	1.11		
Percent Sand	97.04		
Percent Mud	1.84		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 88

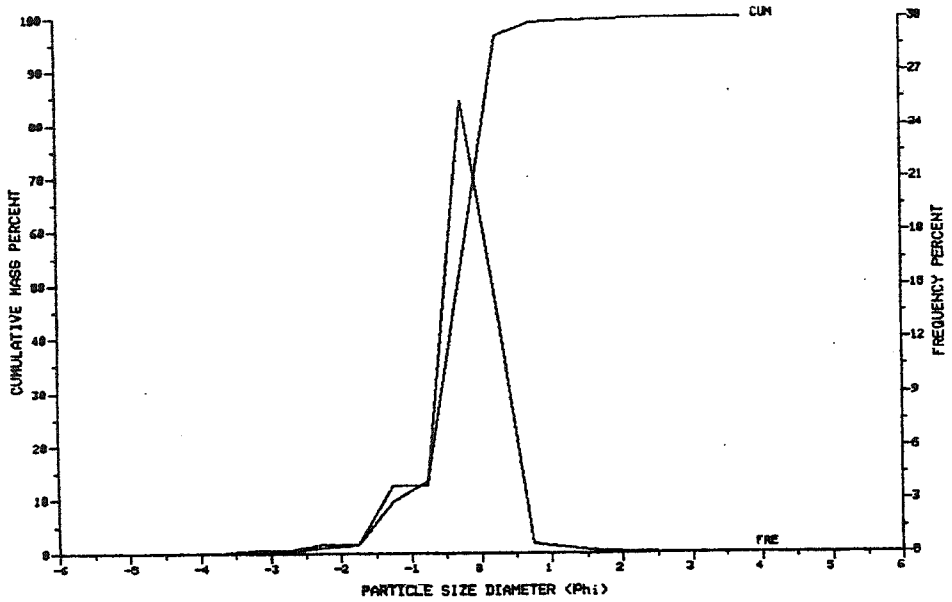
TOTAL SAMPLE WEIGHT 196.85 grams
SUB-SAMPLE SPLIT WEIGHT 13.28 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.06	0.06	0.03	0.03		
1.68	-0.75	0.00	0.00	0.00	0.03		
1.41	-0.50	0.00	0.00	0.00	0.03		
1.19	-0.25	0.00	0.00	0.00	0.03		
1.00	0.00	0.01	0.14	0.07	0.10		
0.84	0.25	0.01	0.14	0.07	0.18		
0.71	0.50	0.01	0.14	0.07	0.25		
0.59	0.75	0.01	0.14	0.07	0.32		
0.50	1.00	0.02	0.29	0.15	0.47		
0.42	1.25	0.02	0.29	0.15	0.62		
0.35	1.50	0.07	1.01	0.52	1.13		
0.30	1.75	0.10	1.45	0.74	1.87		
0.25	2.00	0.25	3.62	1.84	3.71		
0.210	2.25	0.48	6.95	3.53	7.24		
0.177	2.50	1.39	20.13	10.23	17.47		
0.149	2.75	2.95	42.73	21.71	39.18		
0.125	3.00	3.53	51.13	25.98	65.15		
0.105	3.25	2.71	39.25	19.94	85.09		
0.088	3.50	1.27	18.40	9.35	94.44		
0.074	3.75	0.38	5.50	2.80	97.23		
0.0625	4.00	0.09	1.30	0.66	97.90		
<0.0625	Pan	0.04	4.14	2.10	100.00		
Wet sieved mud		3.56					
	TOTAL		196.85	100.00			

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.687	2.613	2.602
Deviation	0.454	0.429	0.431
Skewness	-1.185	0.077	-0.011
Kurtosis	7.666	0.671	1.034
Median		2.500	
Skewness2		-0.165	
Percent Gravel	0.03		
Percent Sand	97.87		
Percent Mud	2.10		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 6 LEO



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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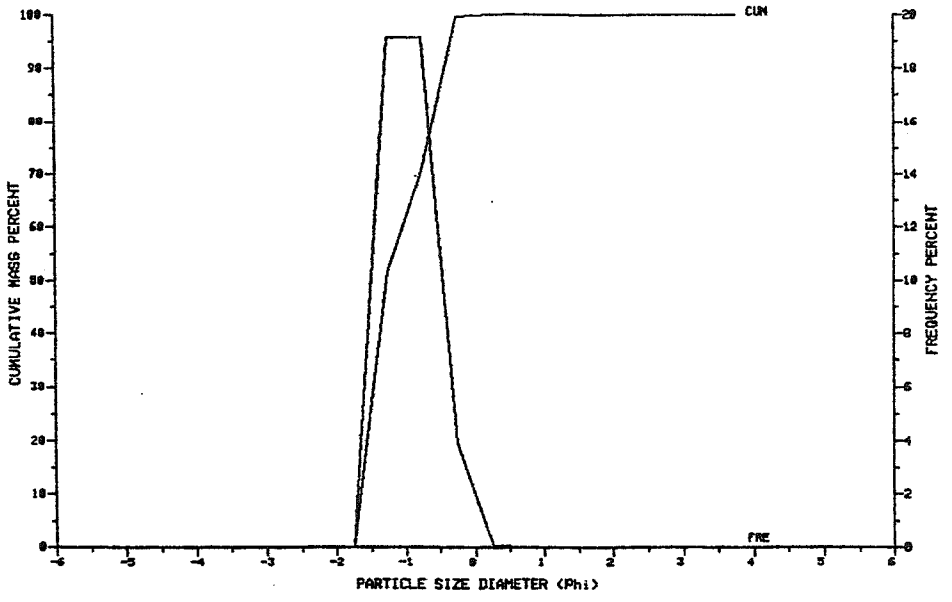

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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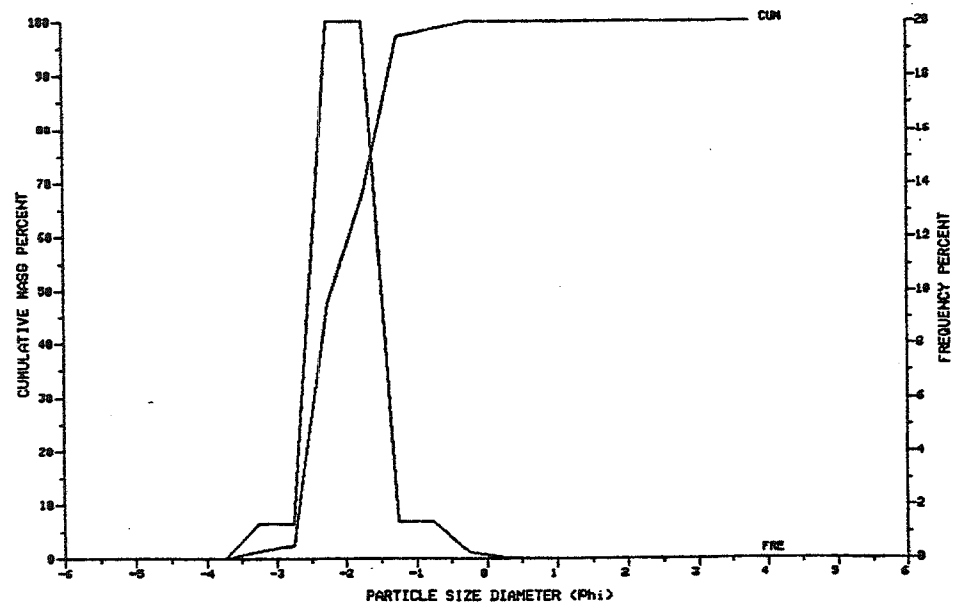

KING POINT COASTAL ZONE
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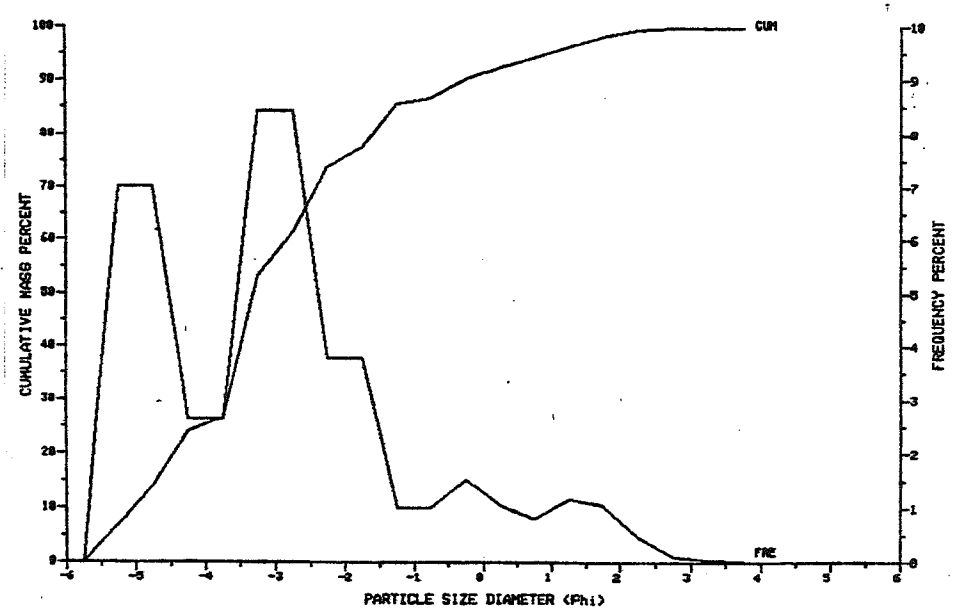

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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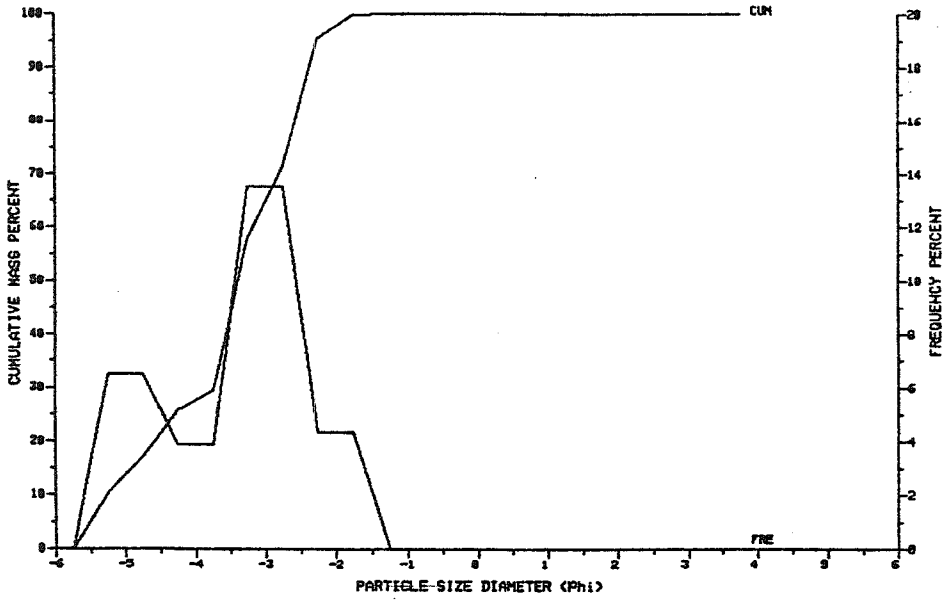
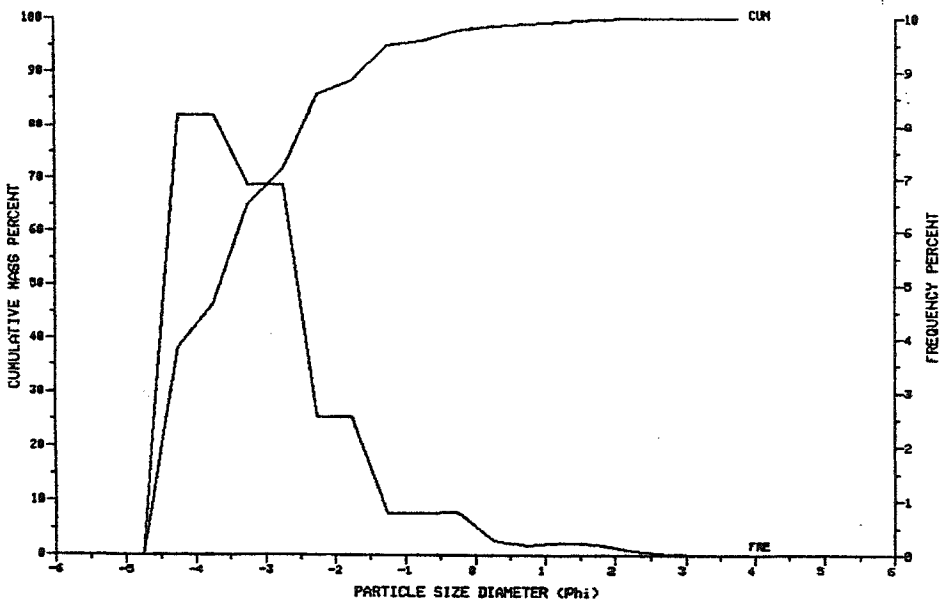


KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 12



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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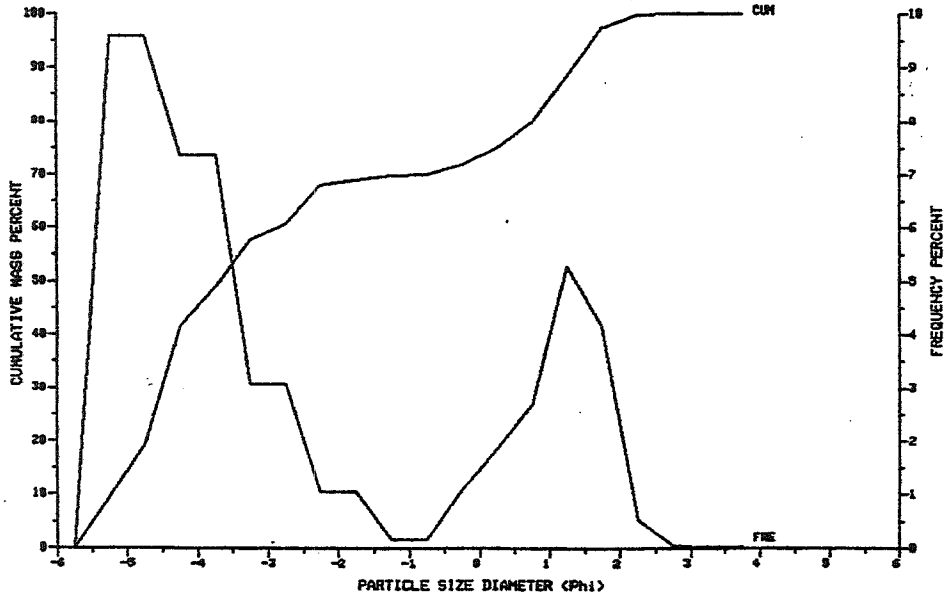

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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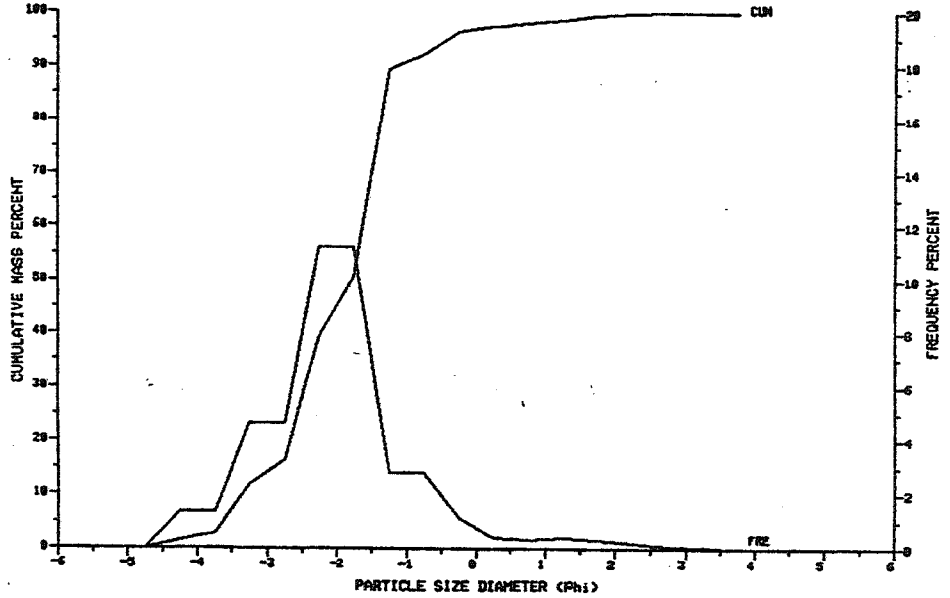
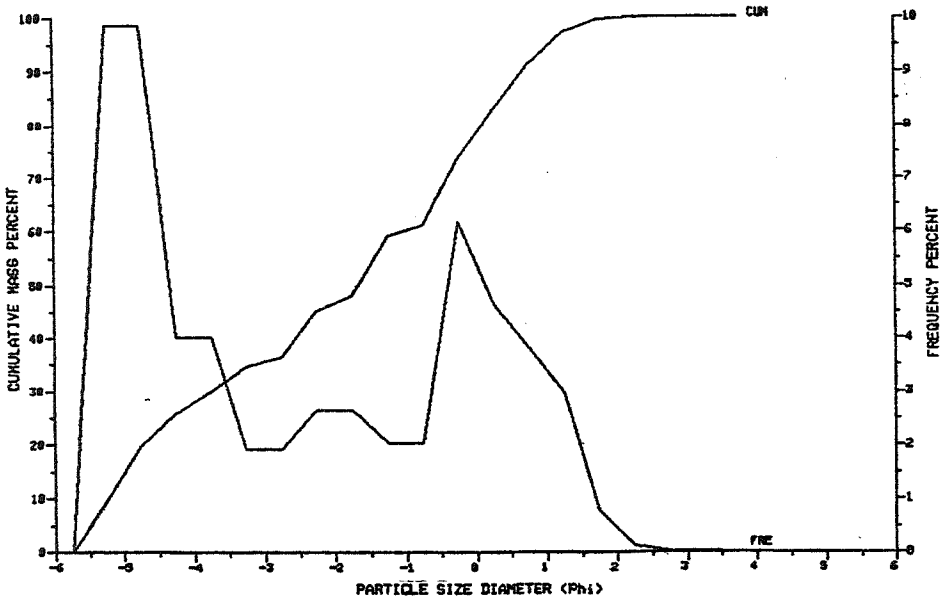


KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 15



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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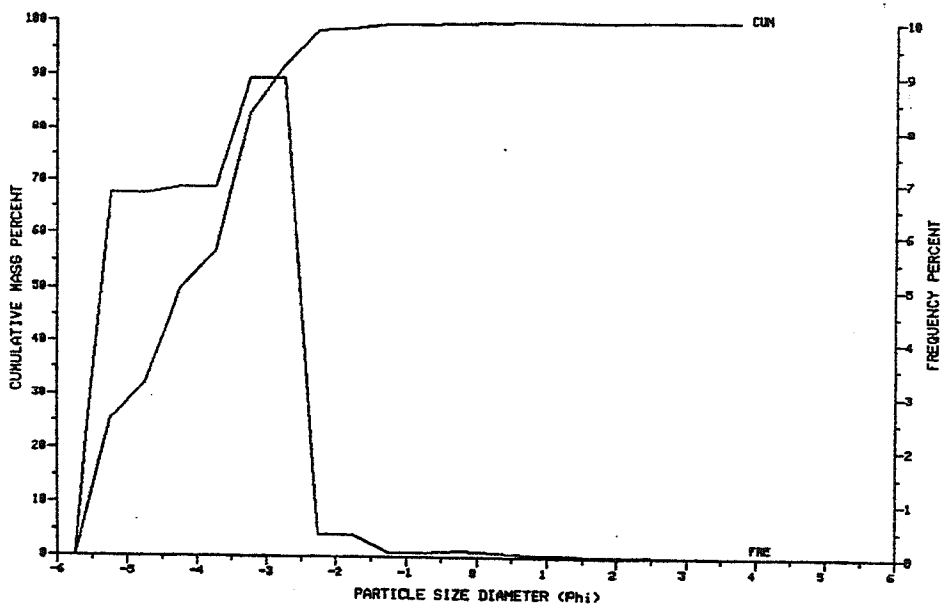

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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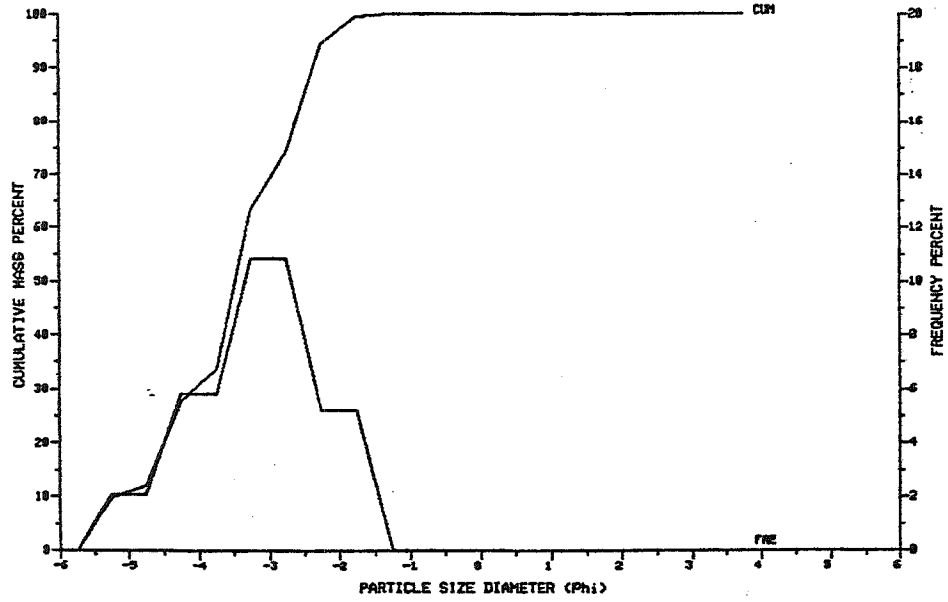

KING POINT COASTAL ZONE
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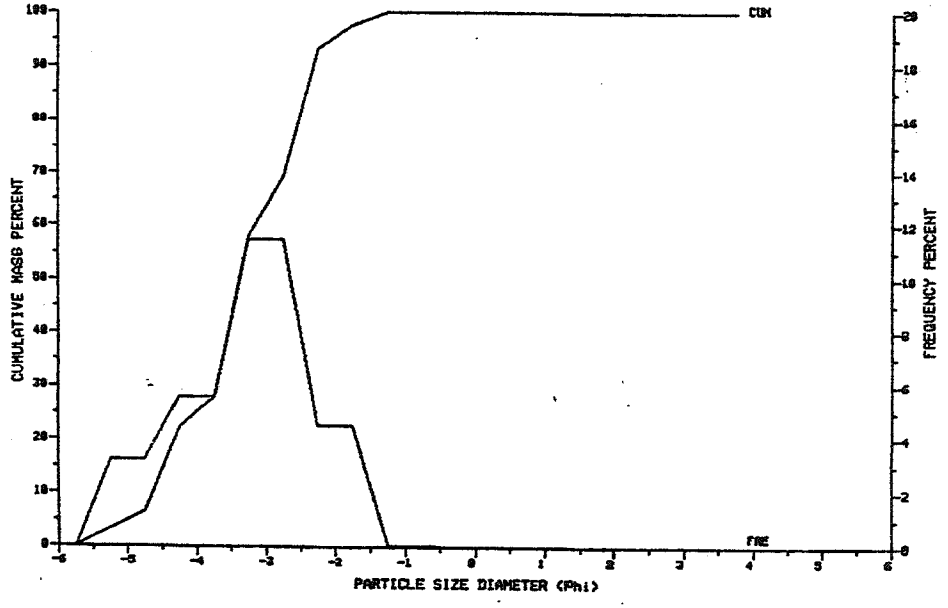

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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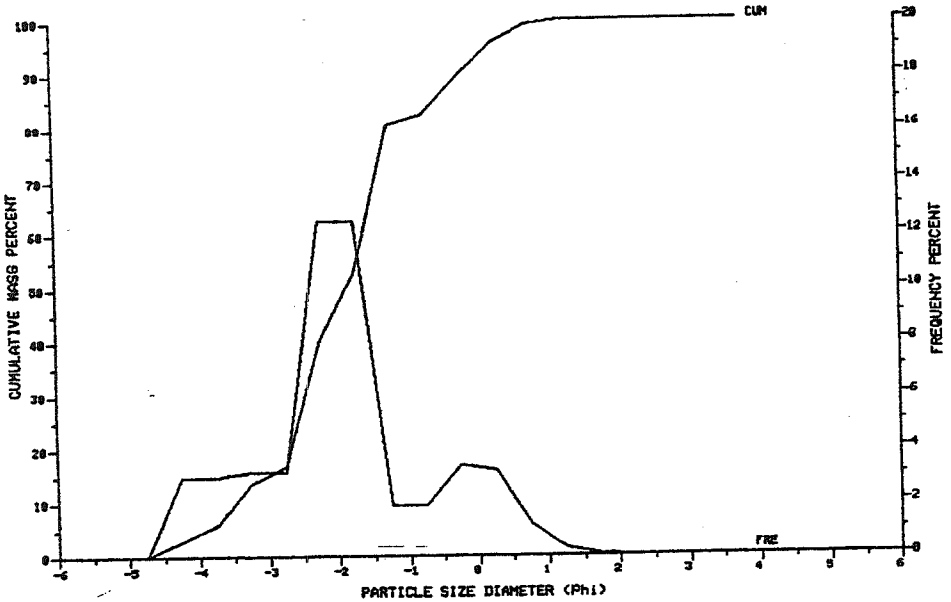

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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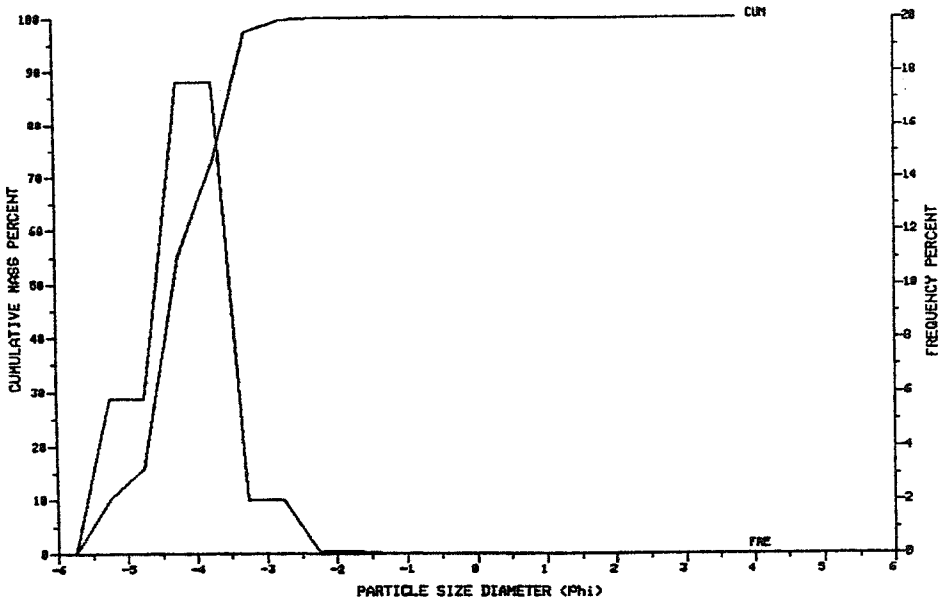

KING POINT COASTAL ZONE
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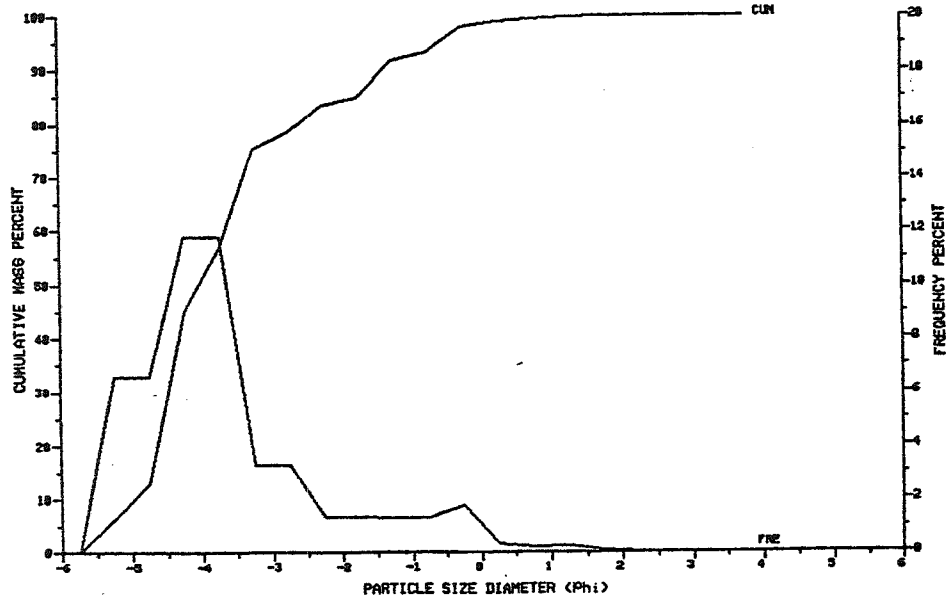

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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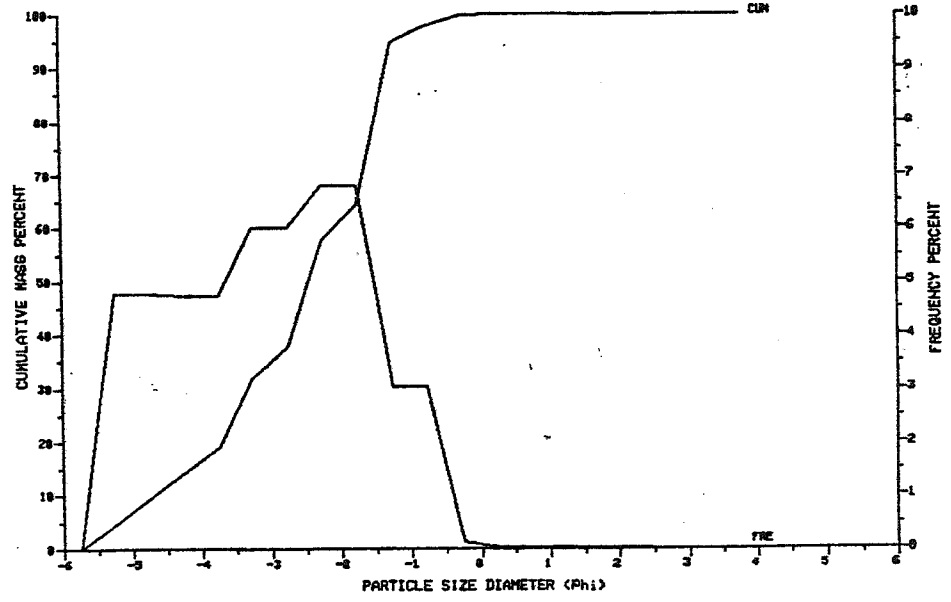

KING POINT COASTAL ZONE
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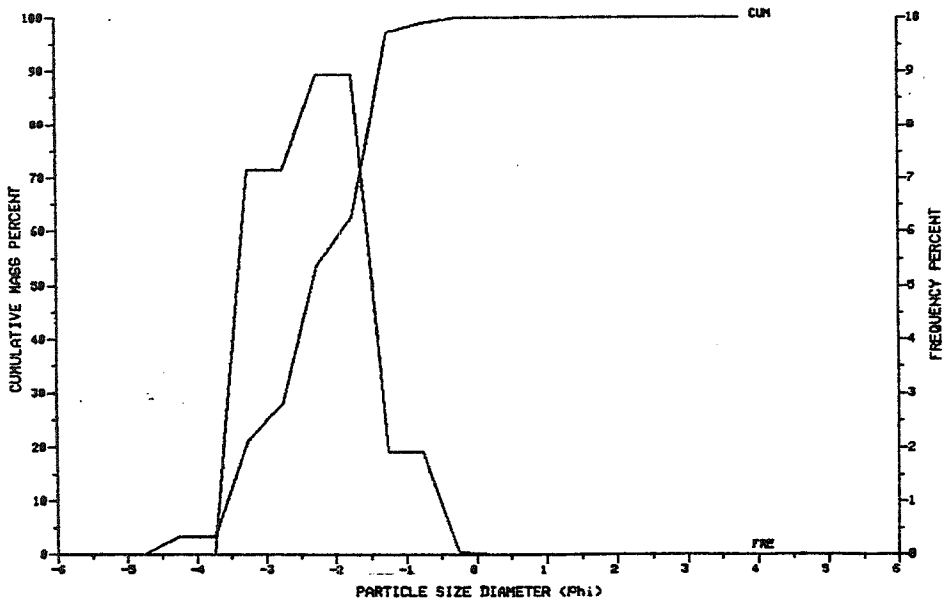

KING POINT COASTAL ZONE
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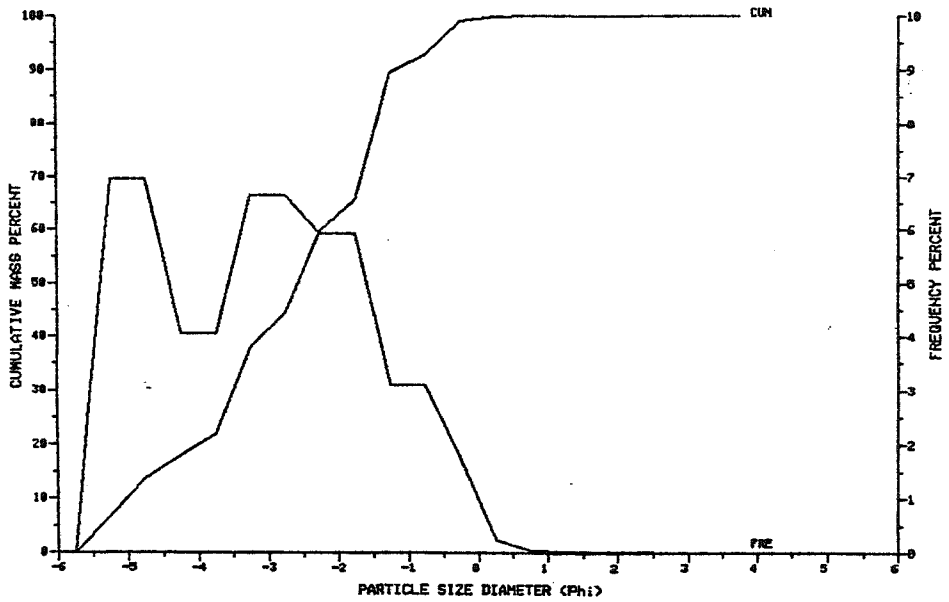

KING POINT COASTAL ZONE
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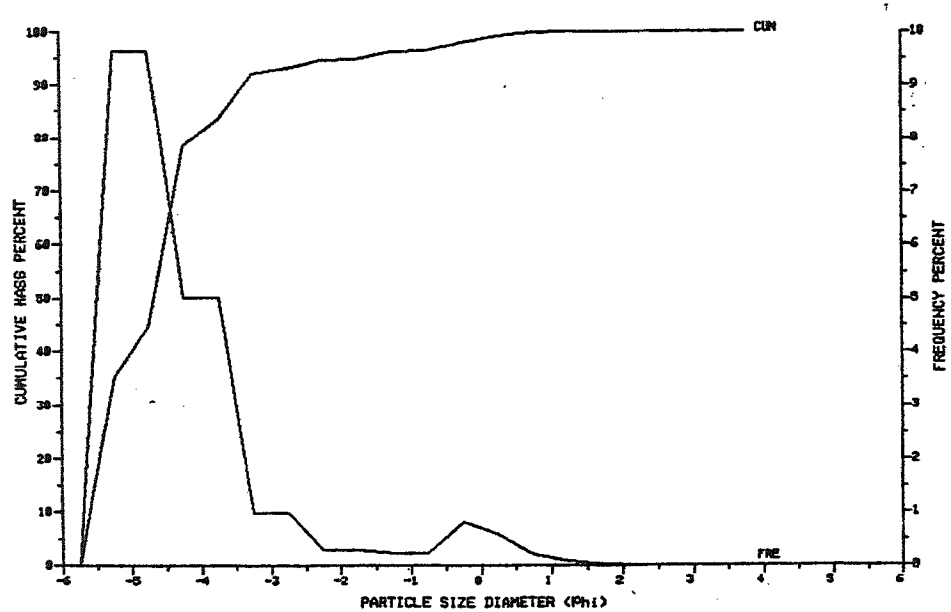

KING POINT COASTAL ZONE
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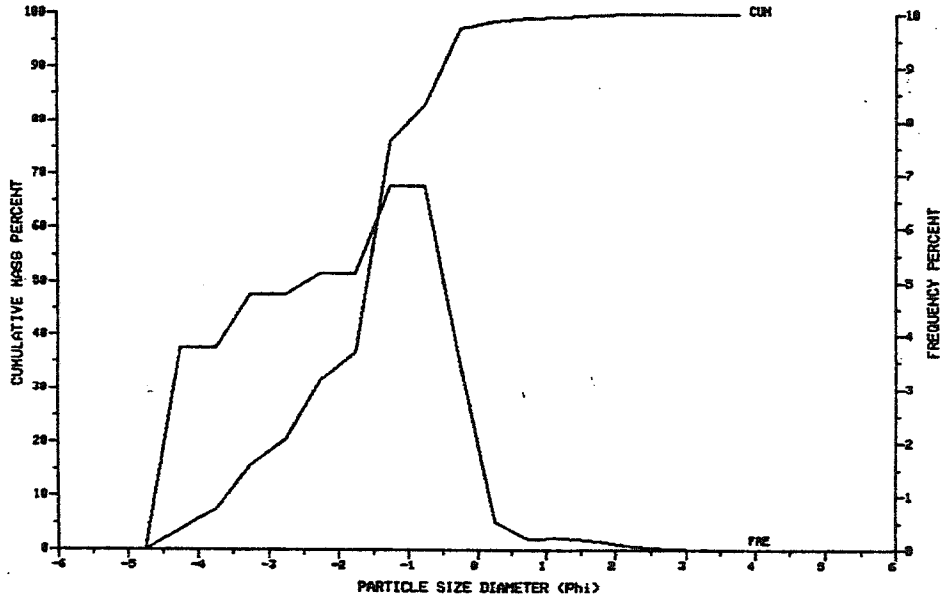
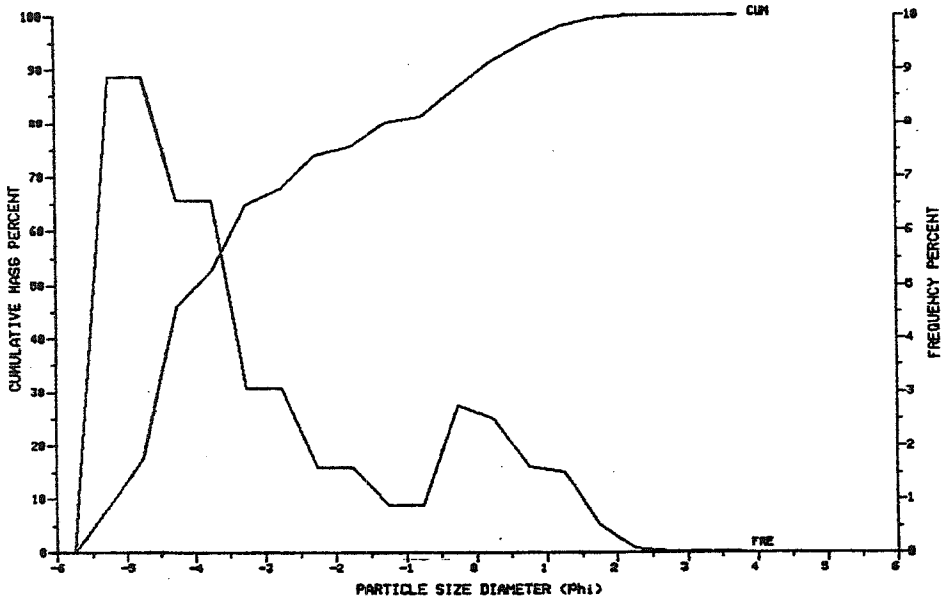


KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 27



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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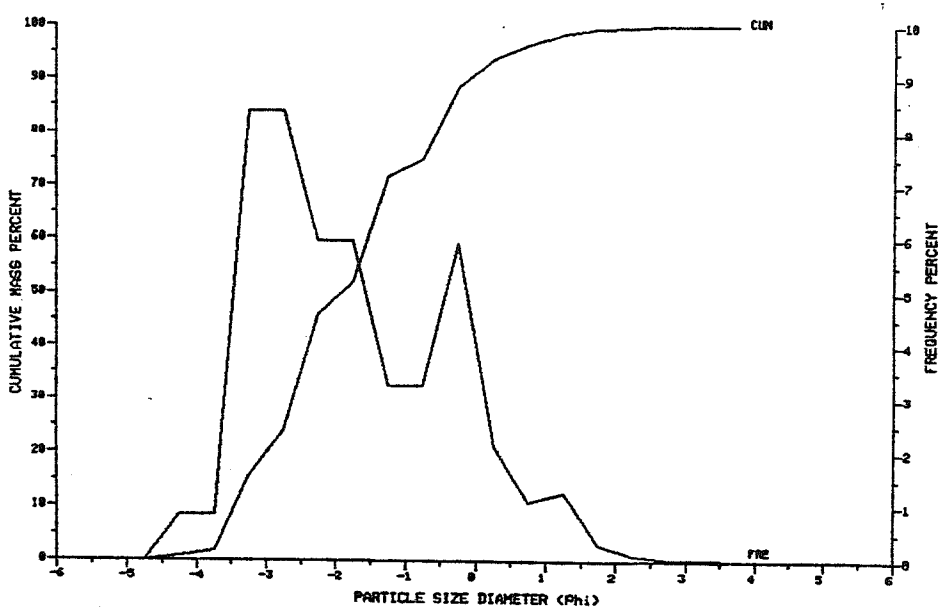

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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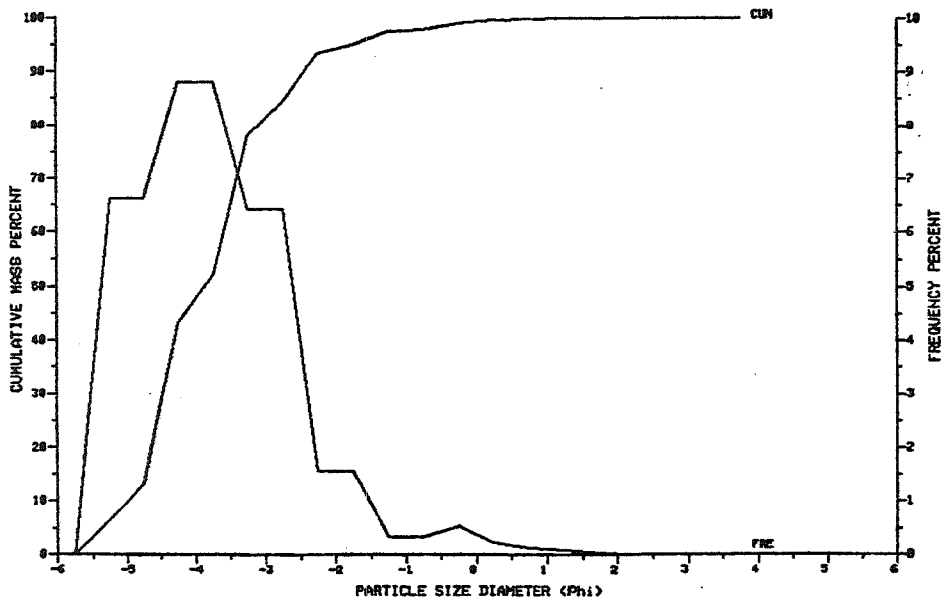

KING POINT COASTAL ZONE
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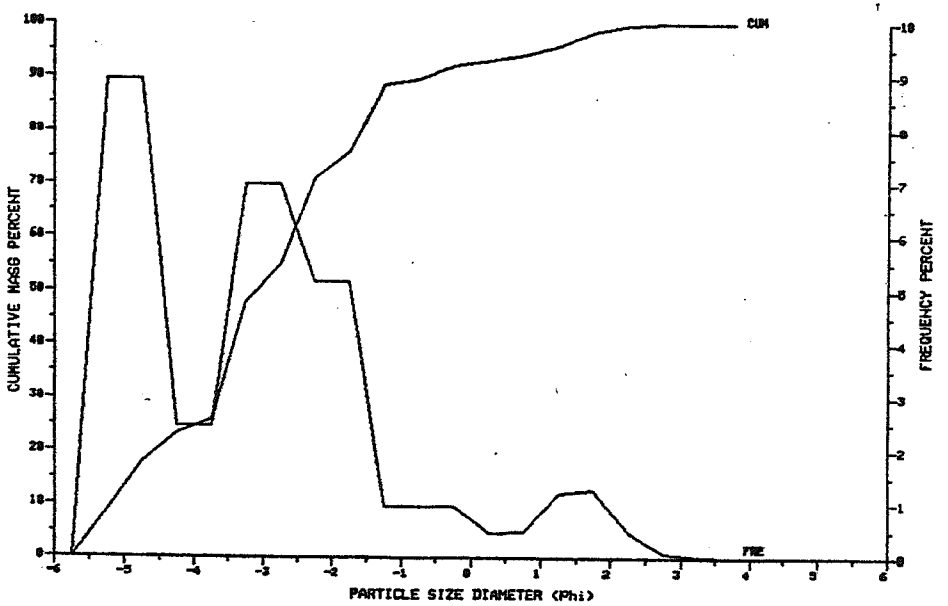
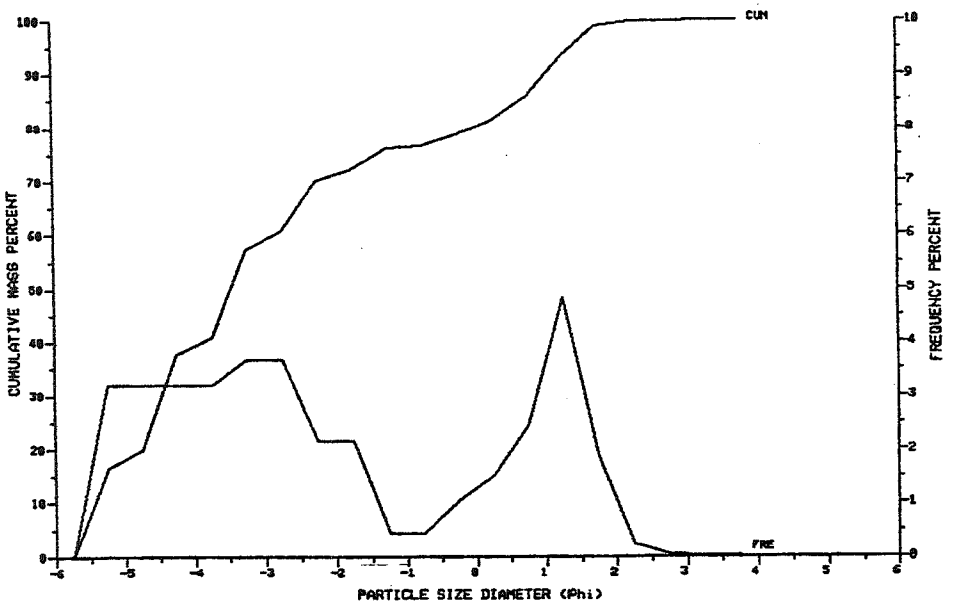
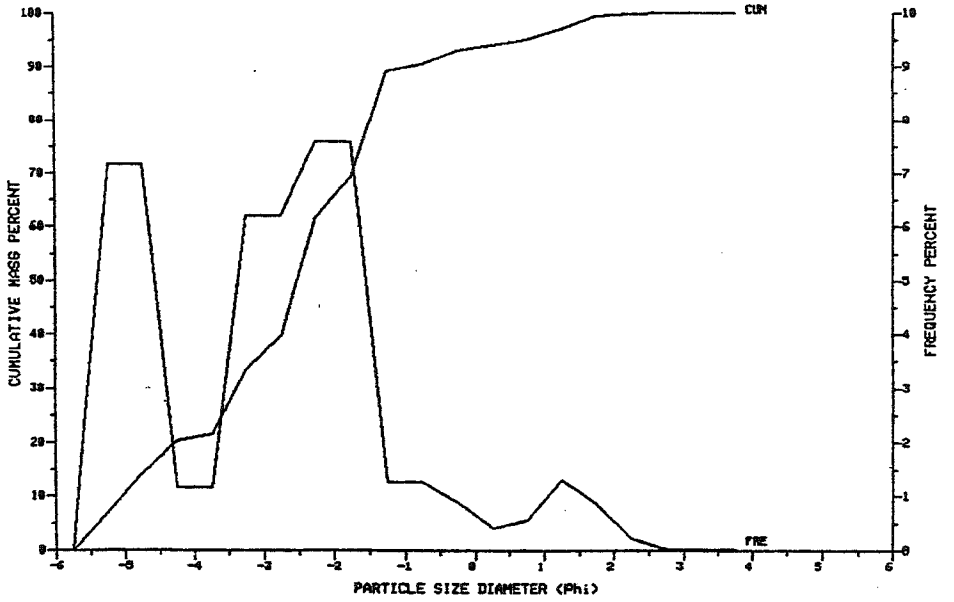


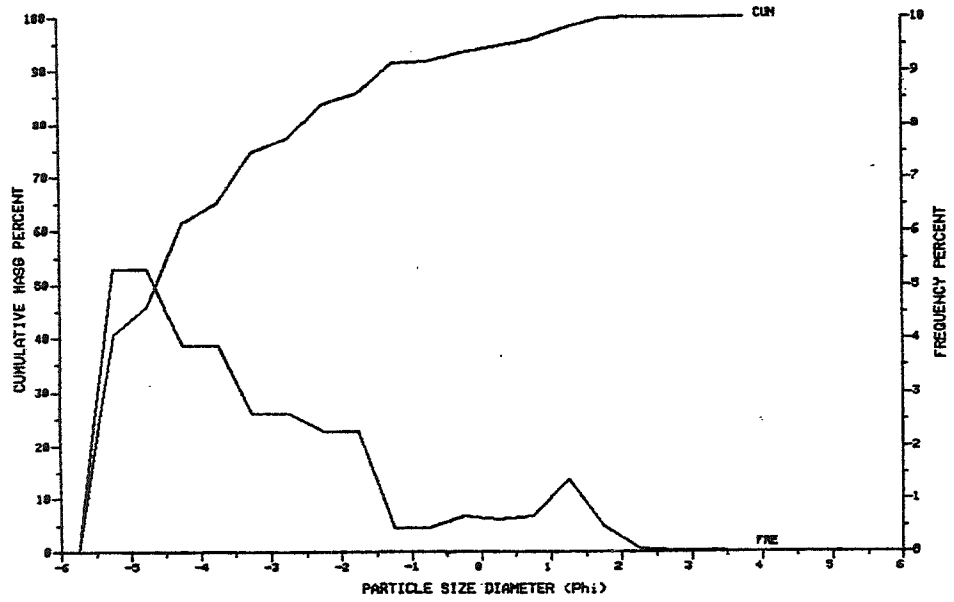
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 31



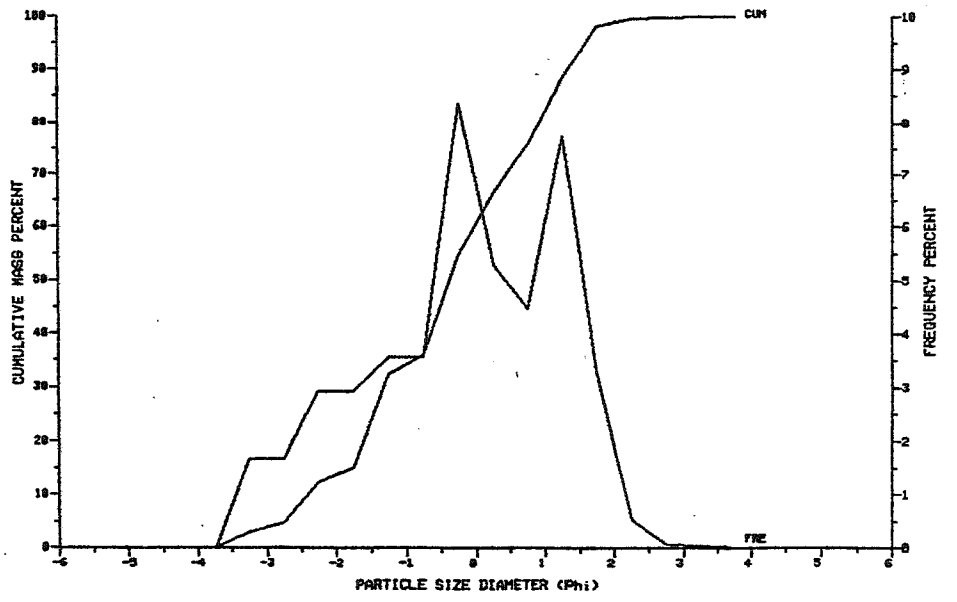
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 32



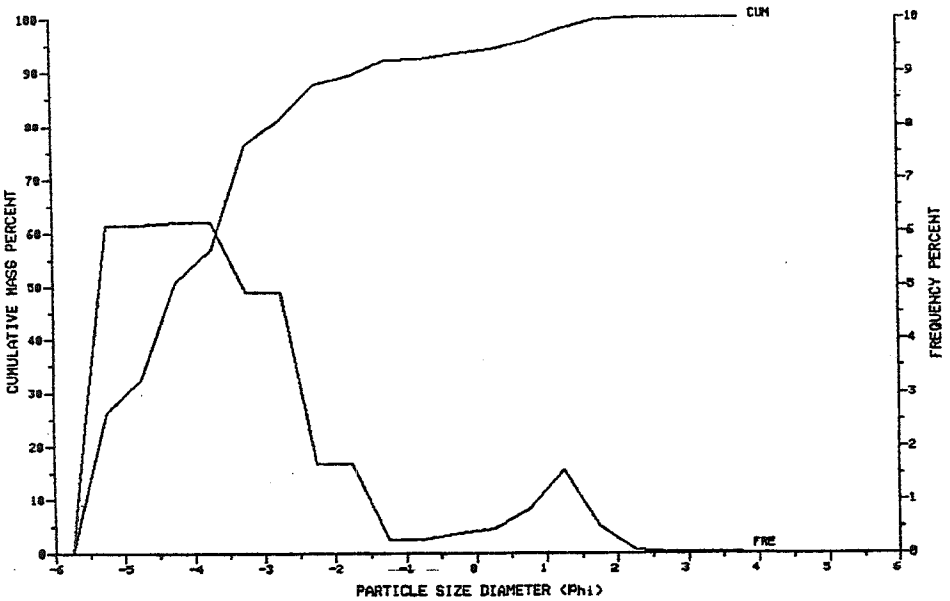
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 33



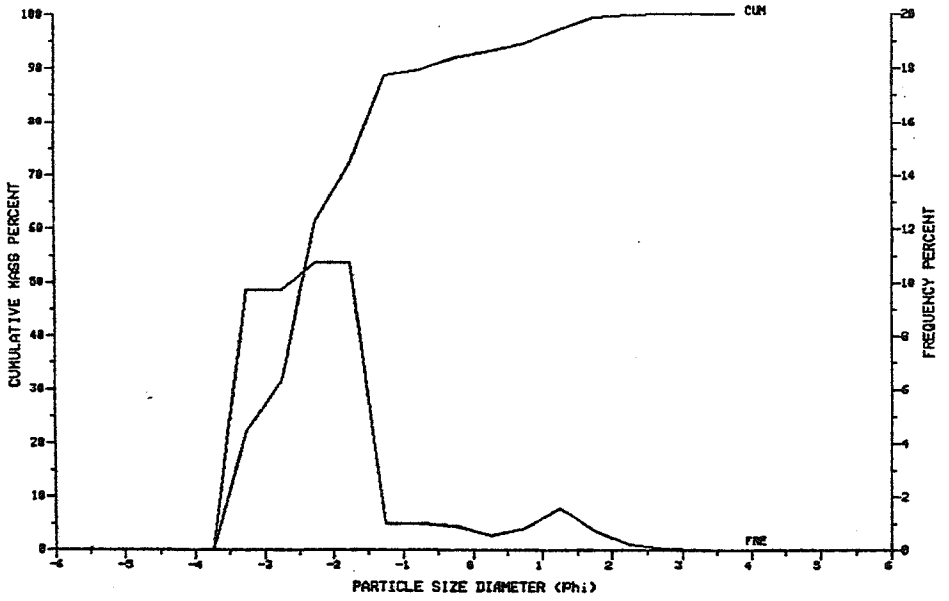
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 34



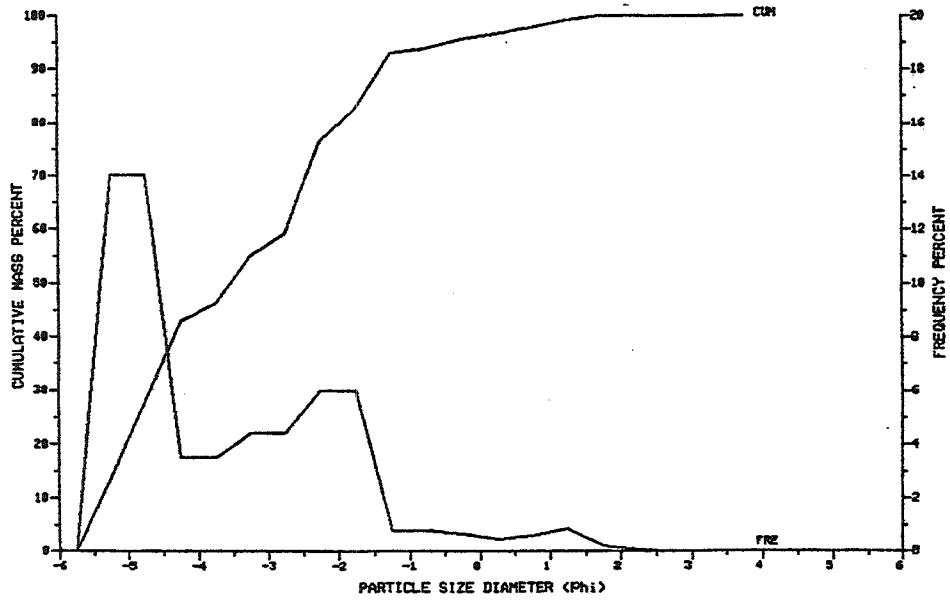
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 35



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 36



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 37



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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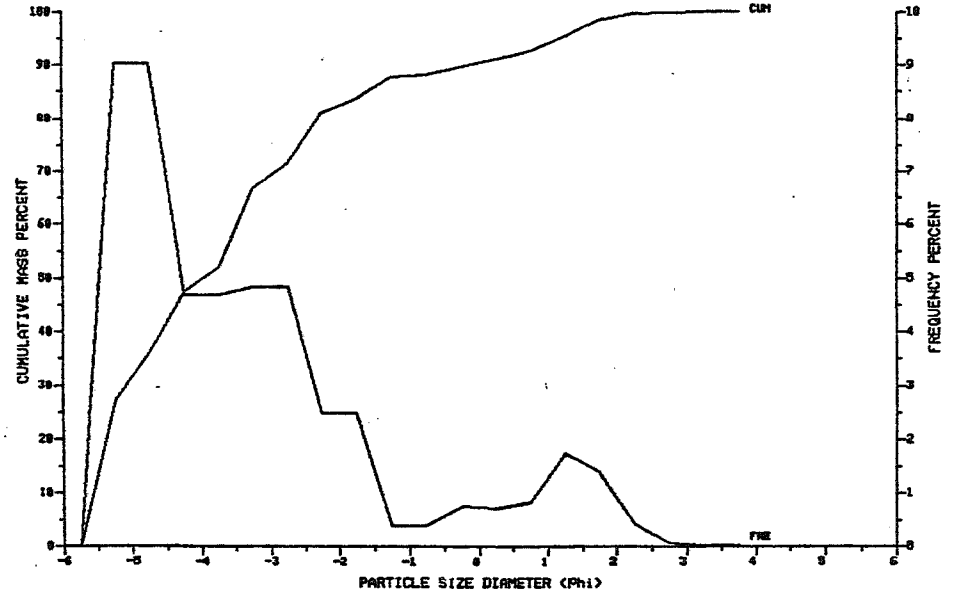

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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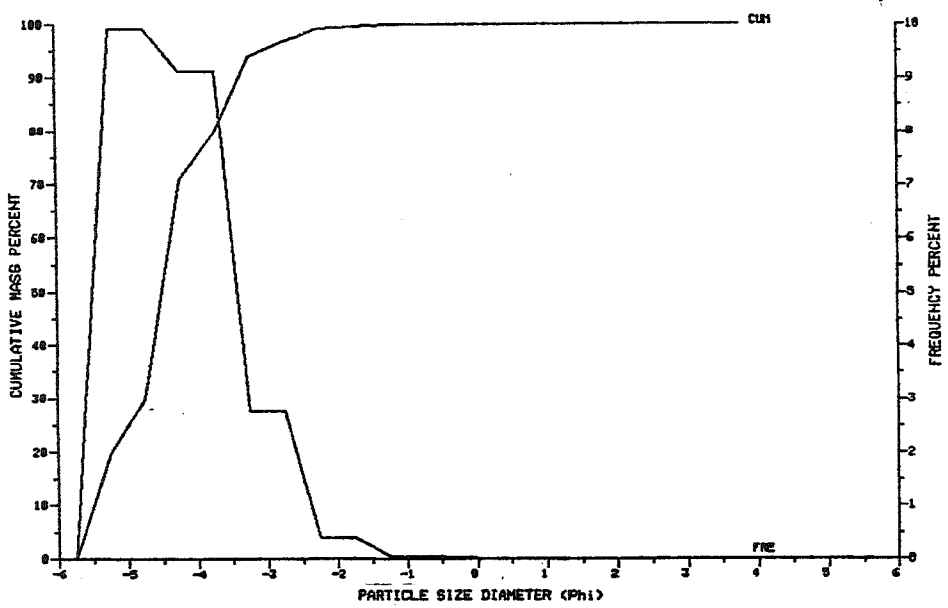

KING POINT COASTAL ZONE
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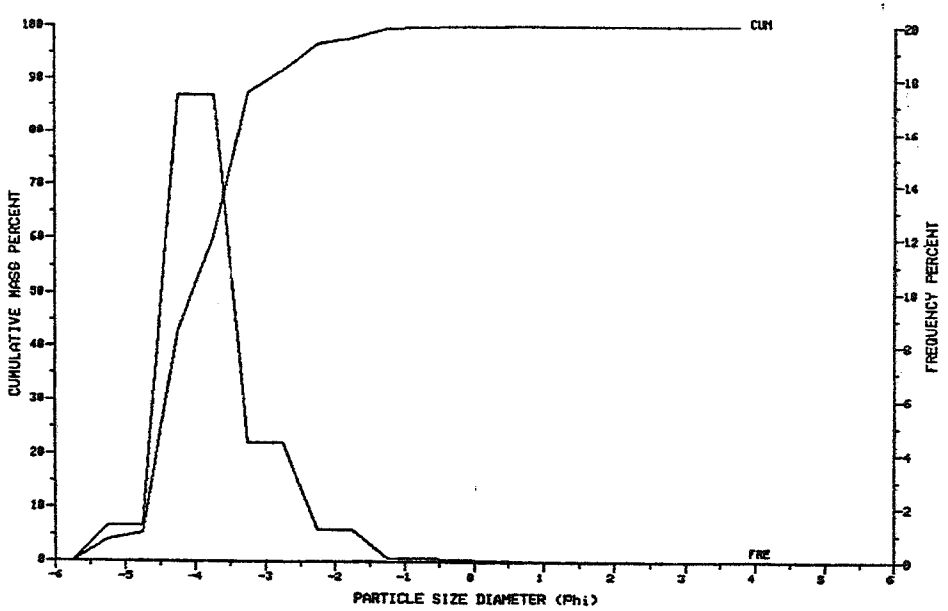

KING POINT COASTAL ZONE
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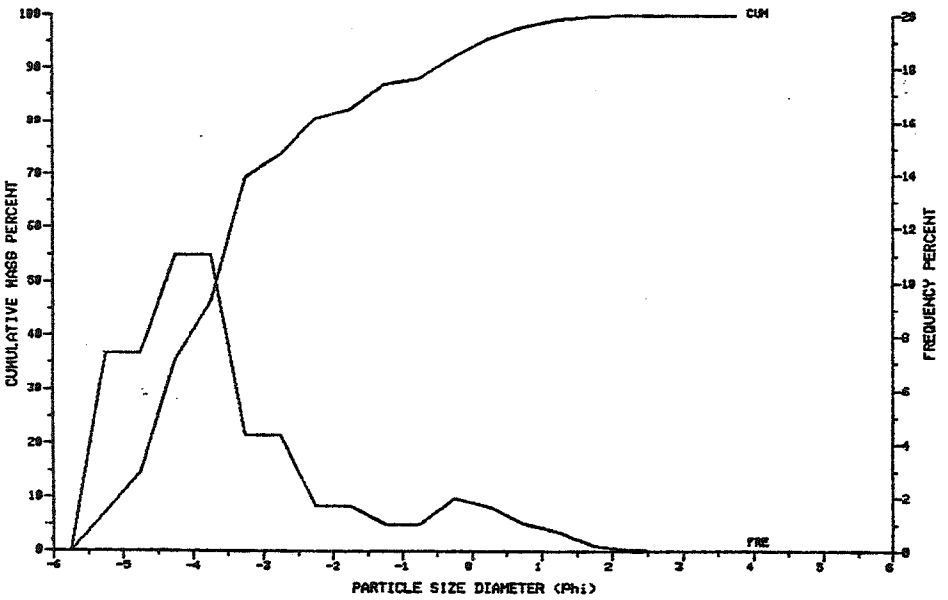

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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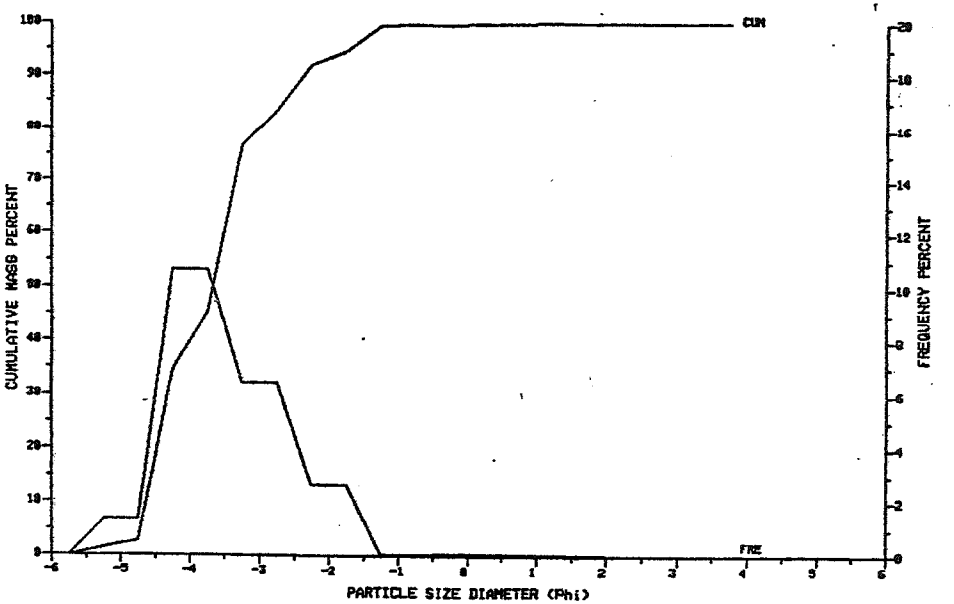

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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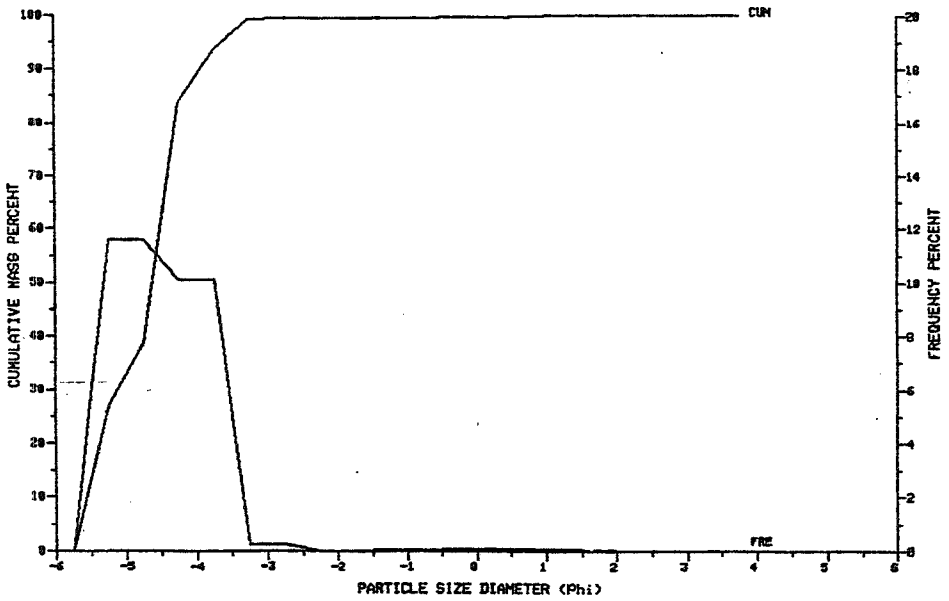

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
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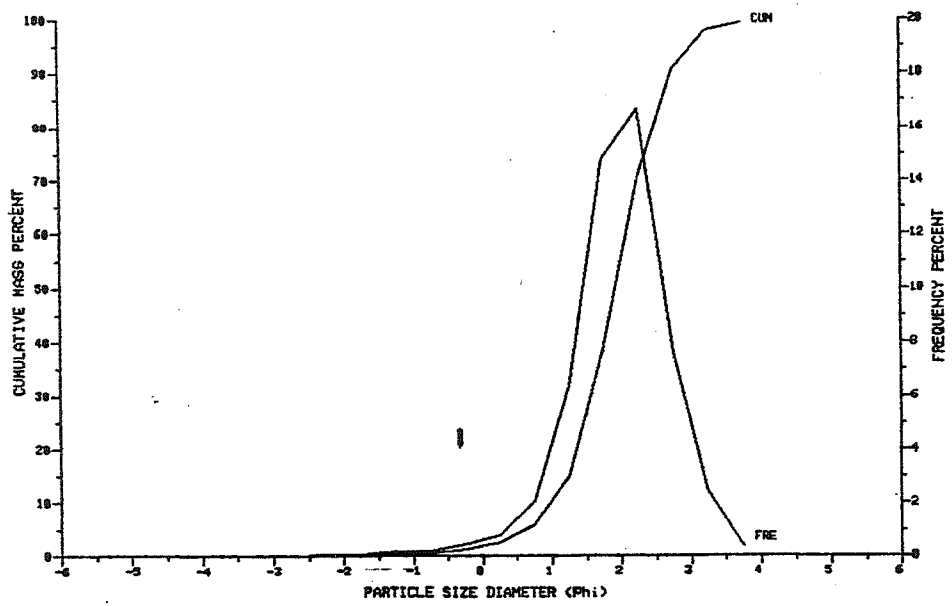
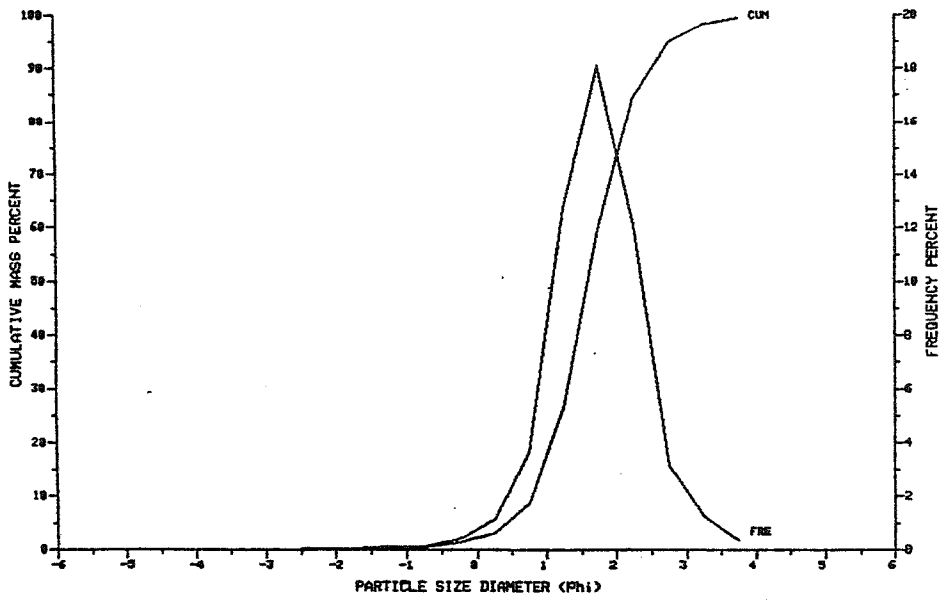
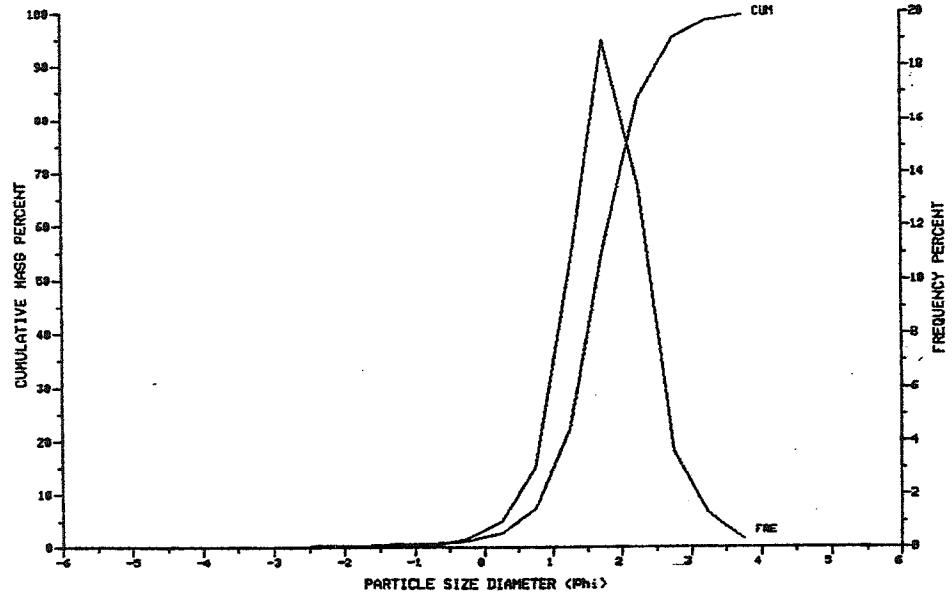


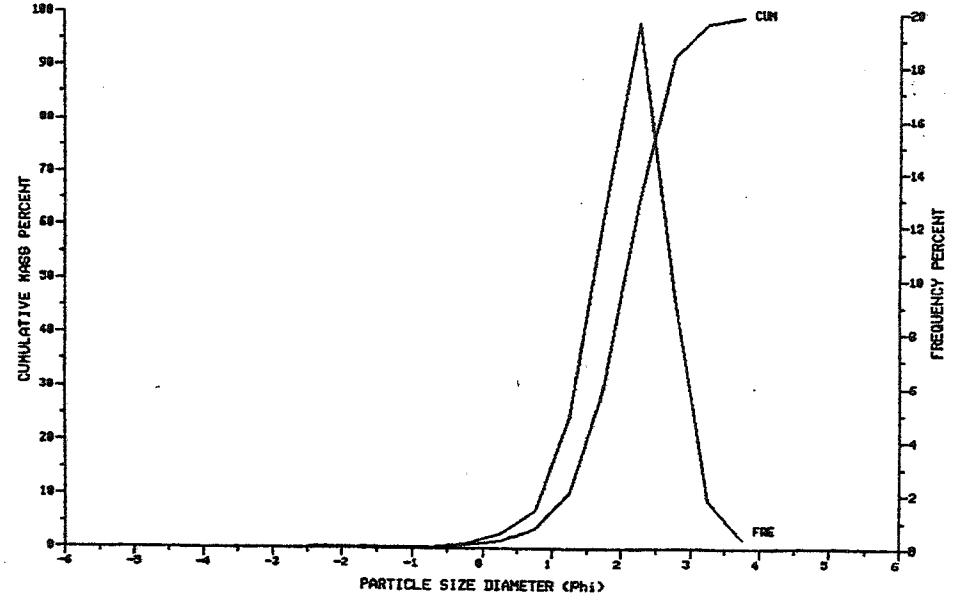
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 51



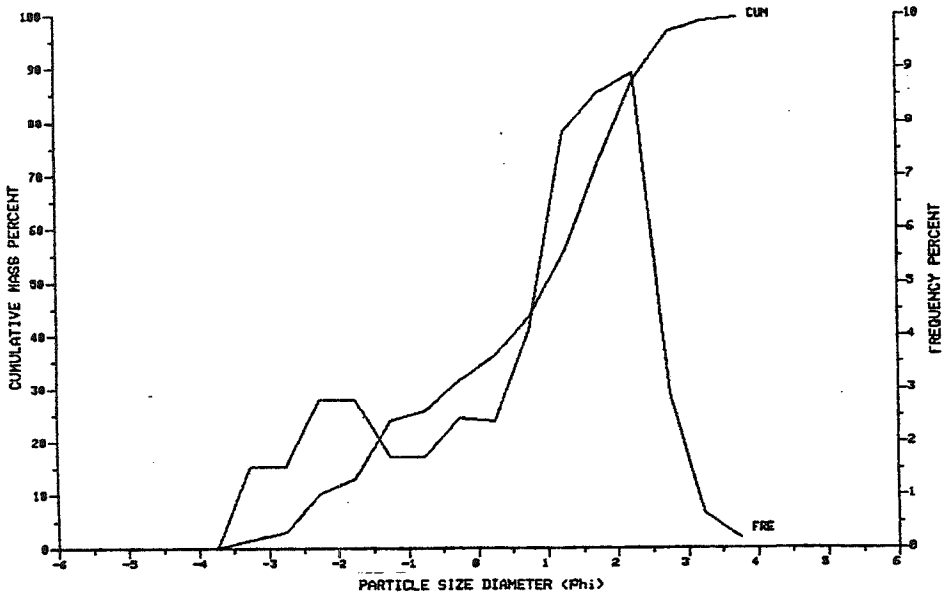
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 52



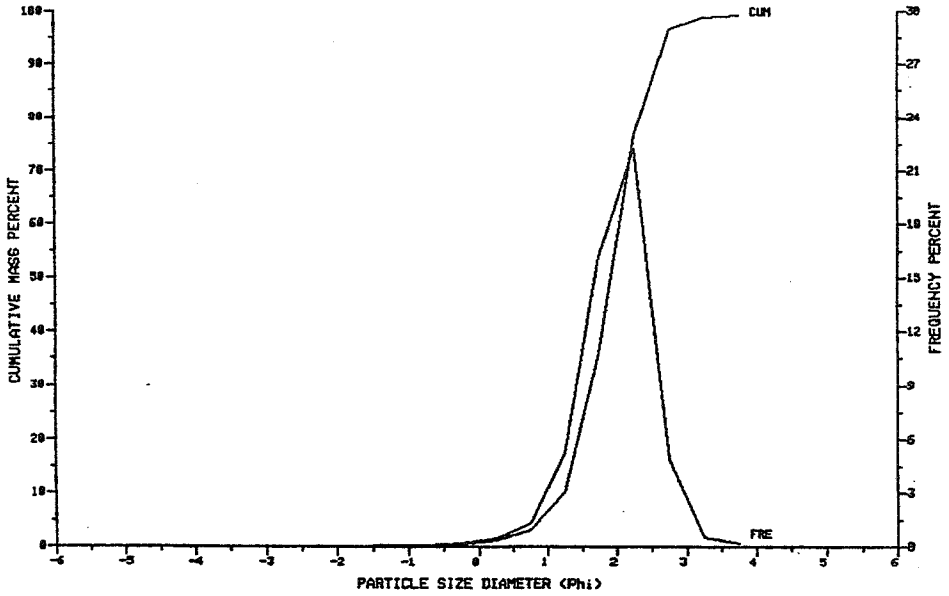
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 53



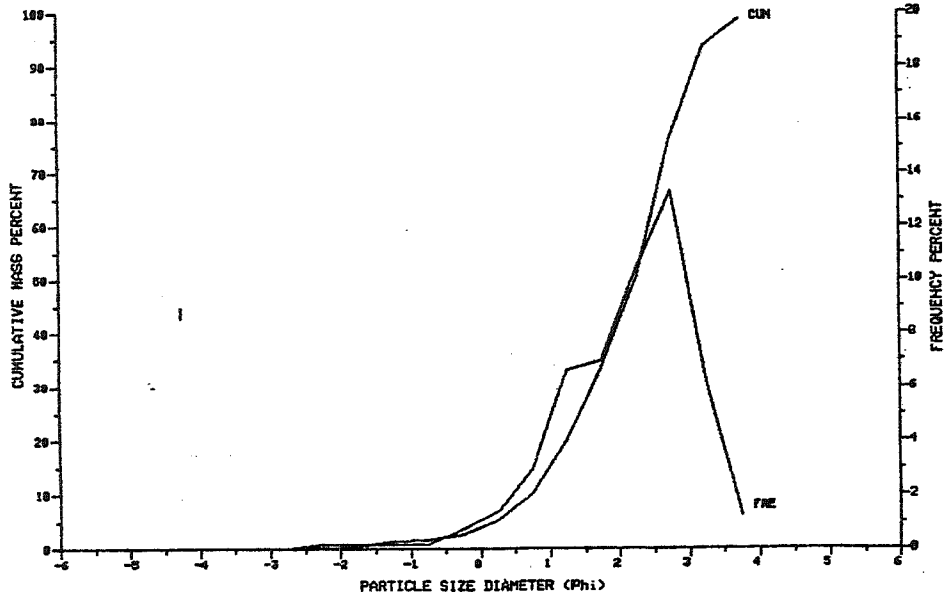
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 54



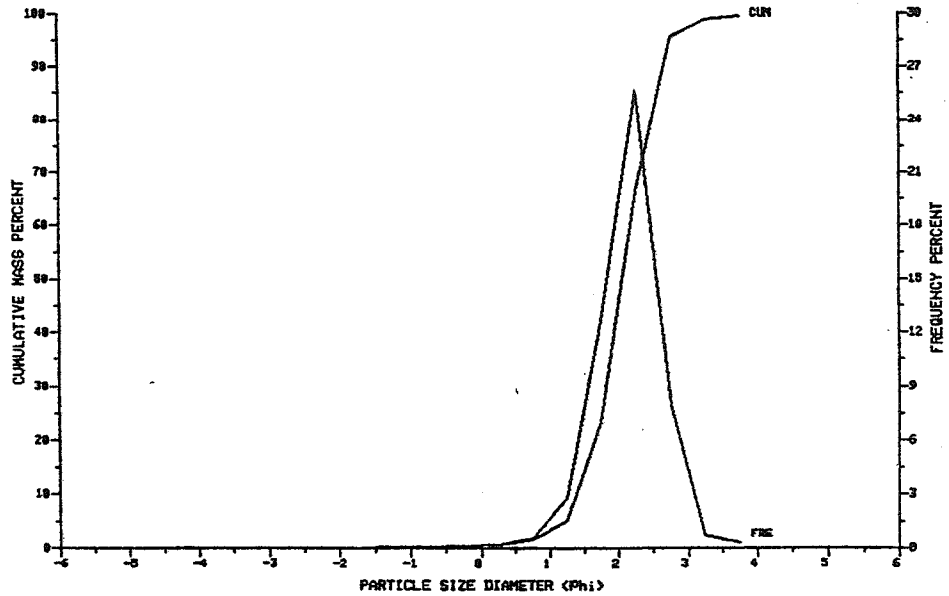
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 55



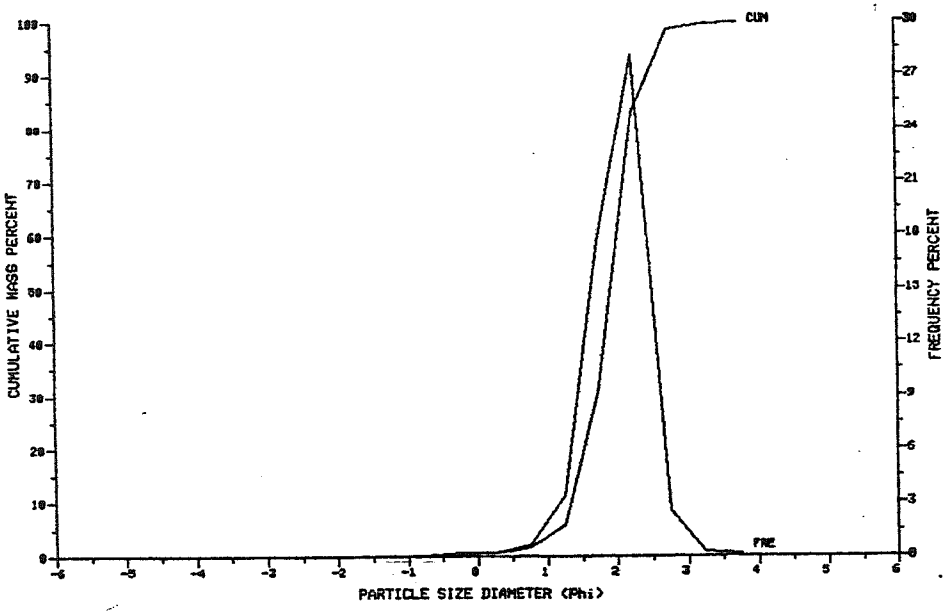
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 56



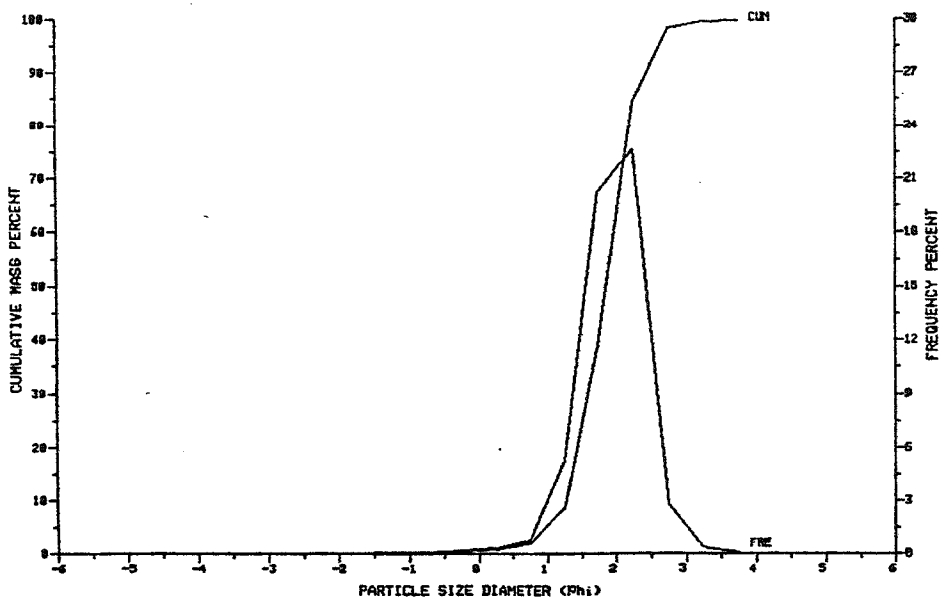
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 57



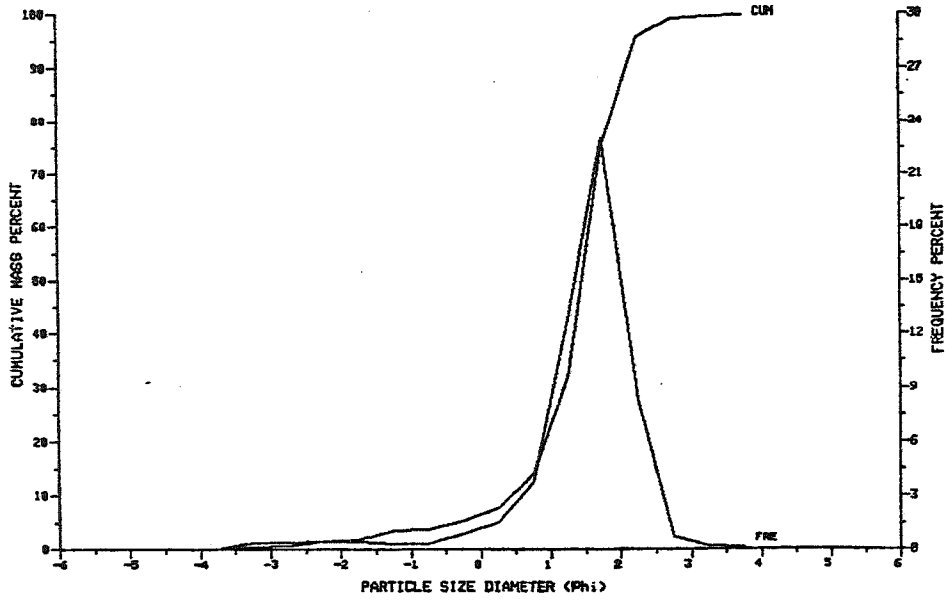
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 58



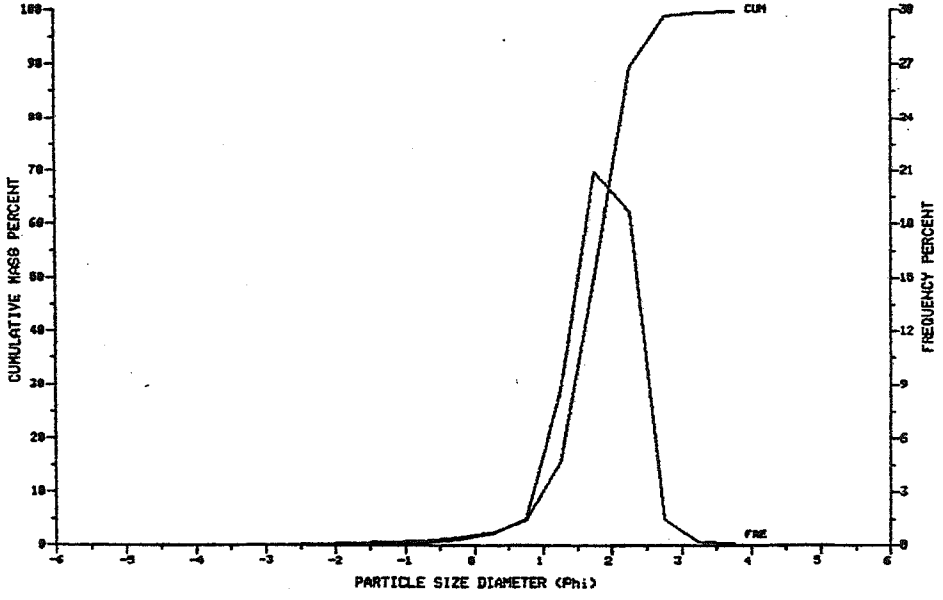
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 59



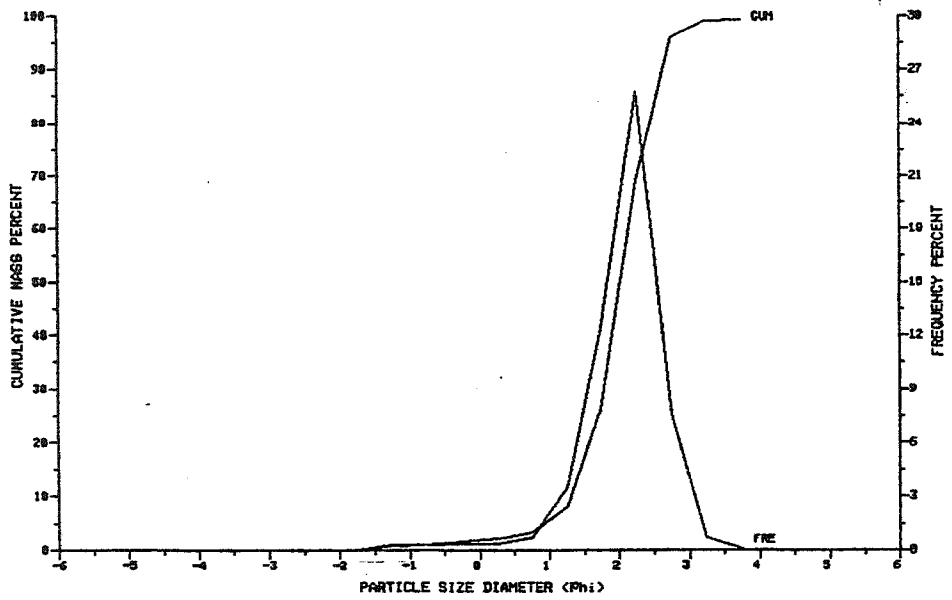
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 60



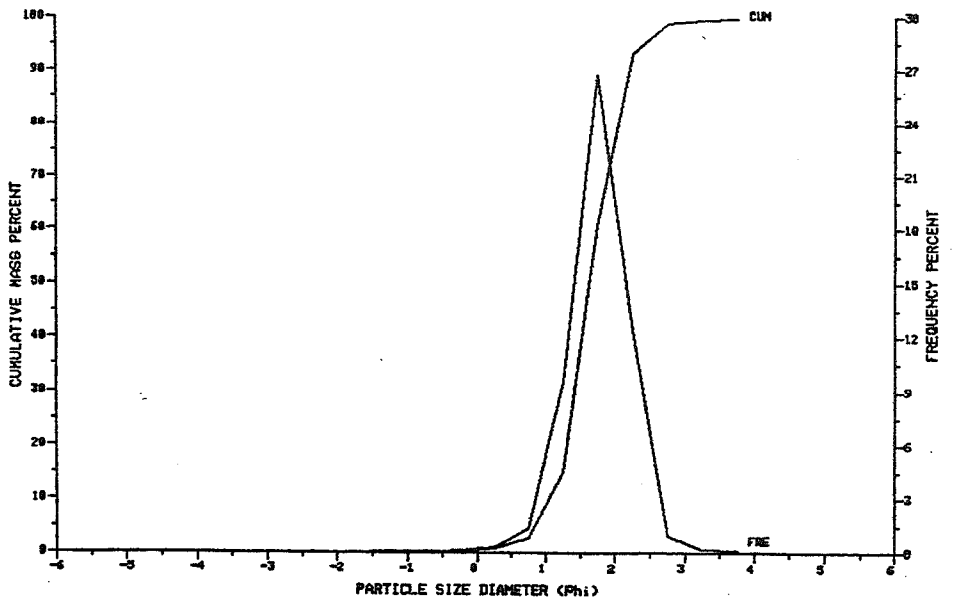
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 61



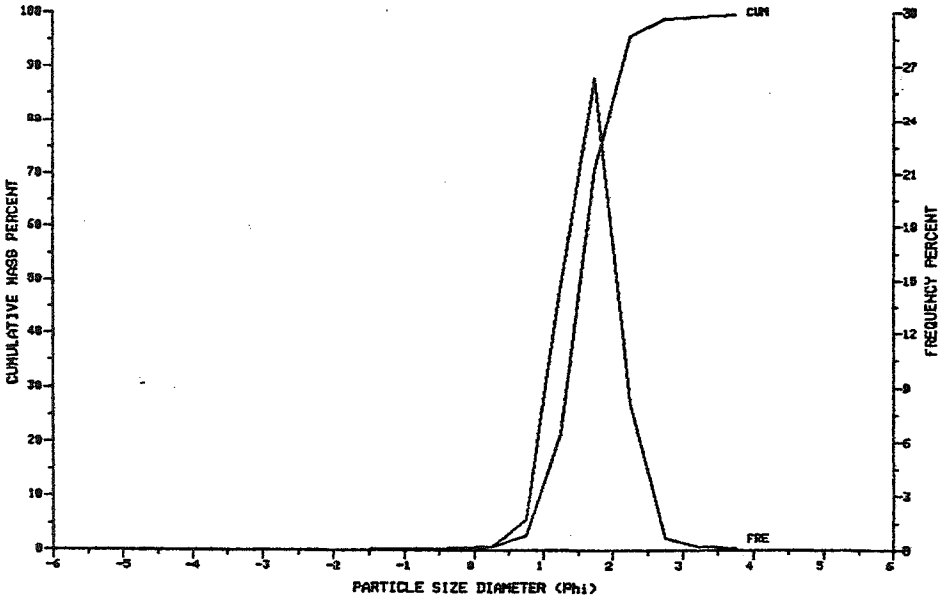
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 62



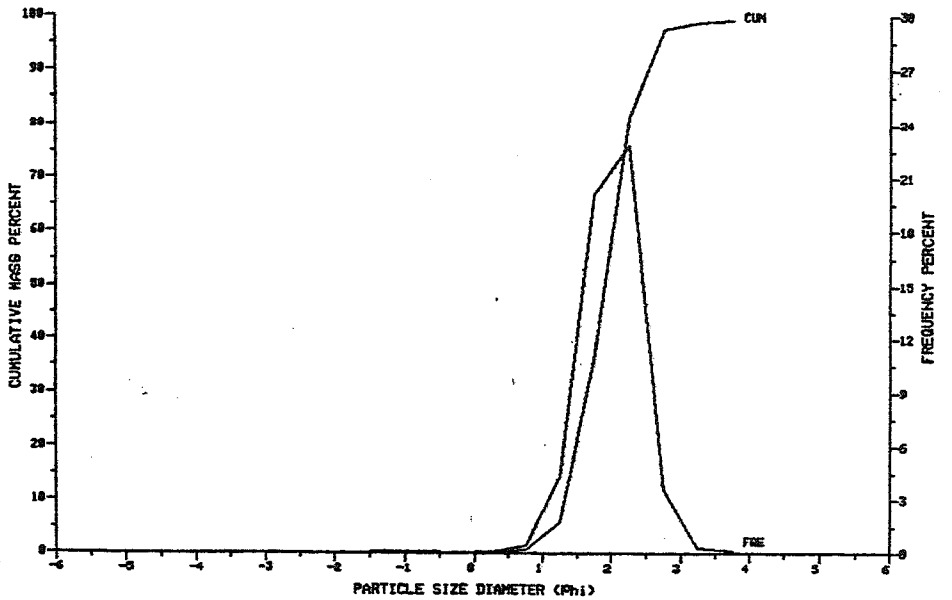
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 63



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 65



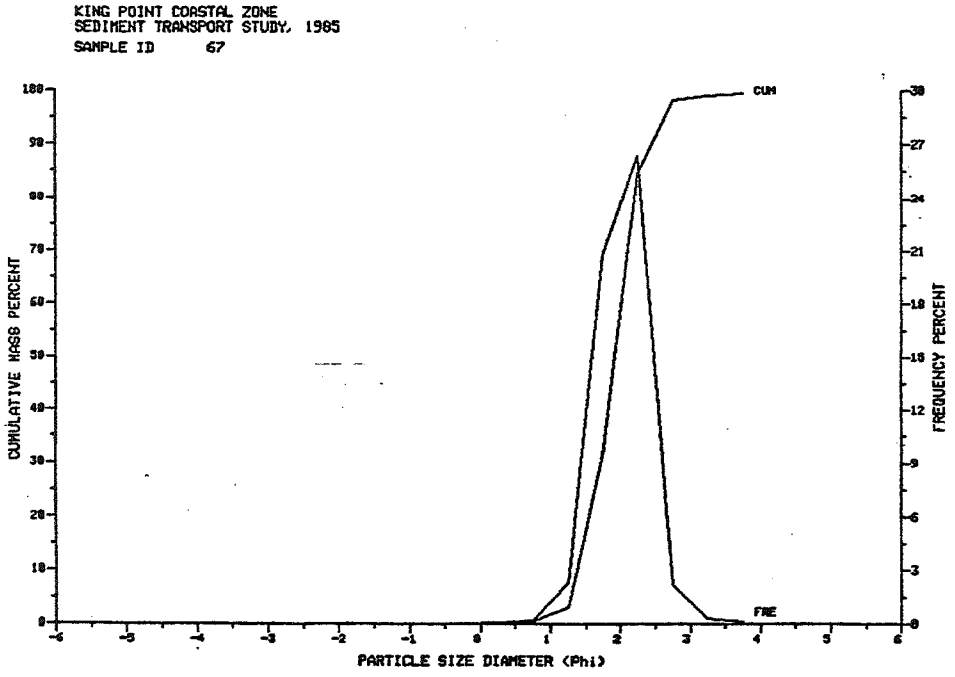
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 66

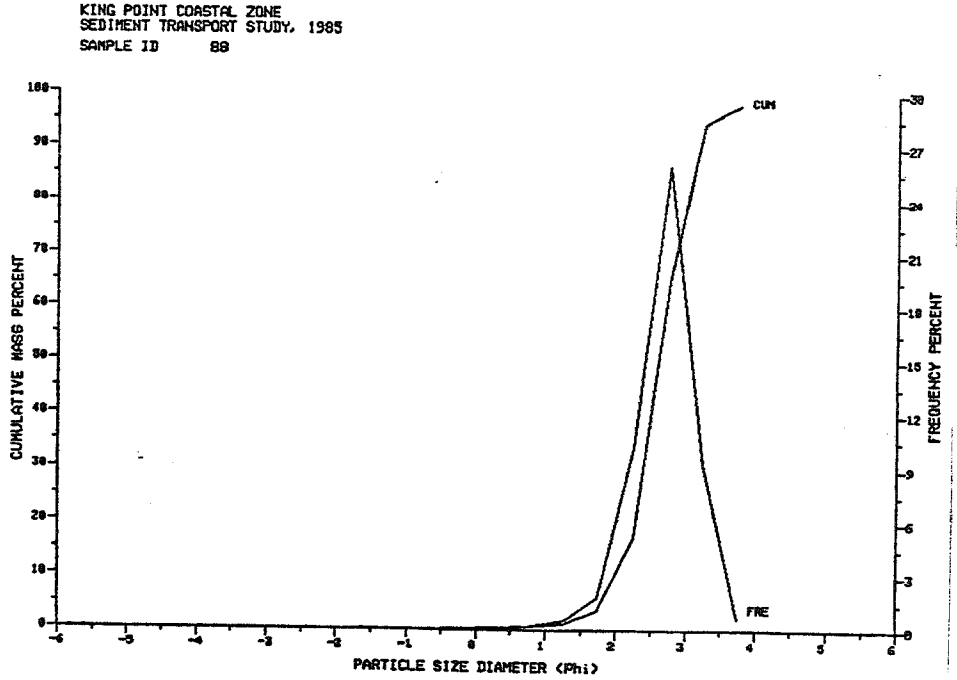


NEARSHORE SAMPLES FROM LINE +1700

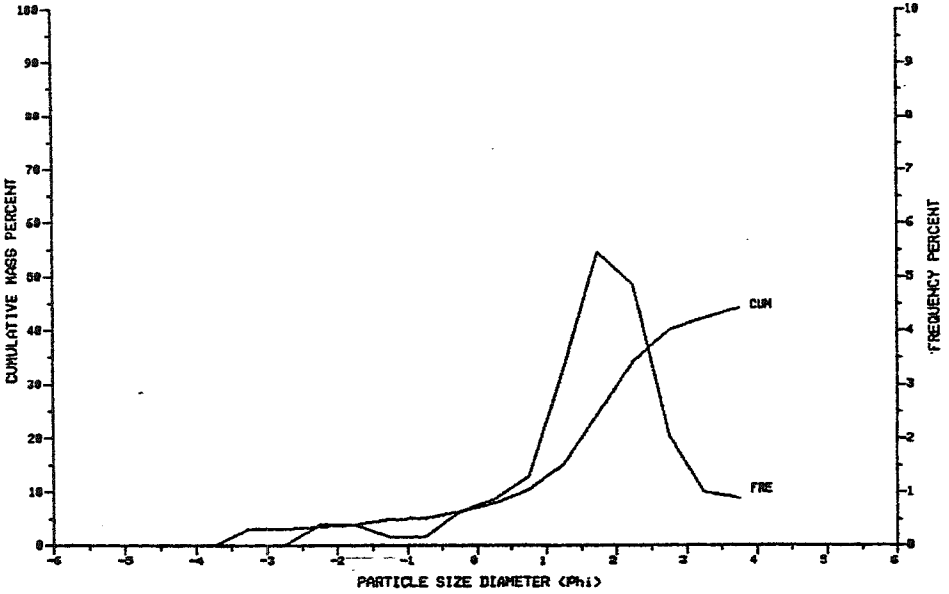
#67 20 M DISTANCE FROM SHORE

#88 50 M DISTANCE FROM SHORE

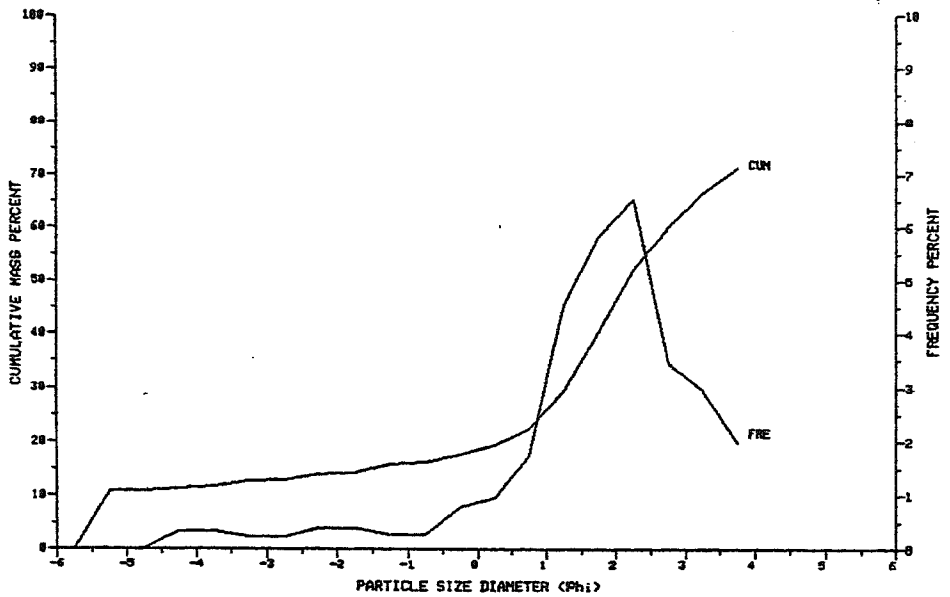




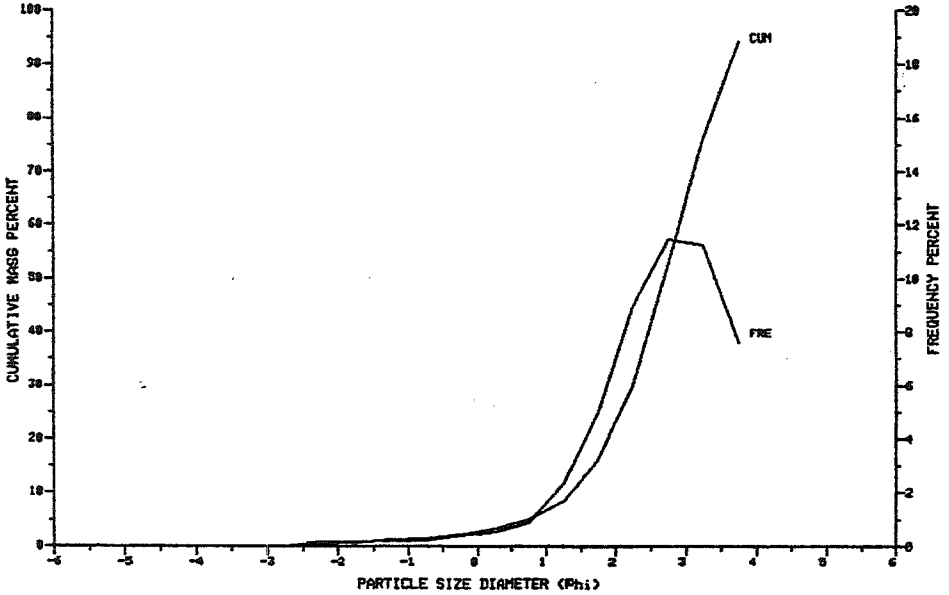
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 71



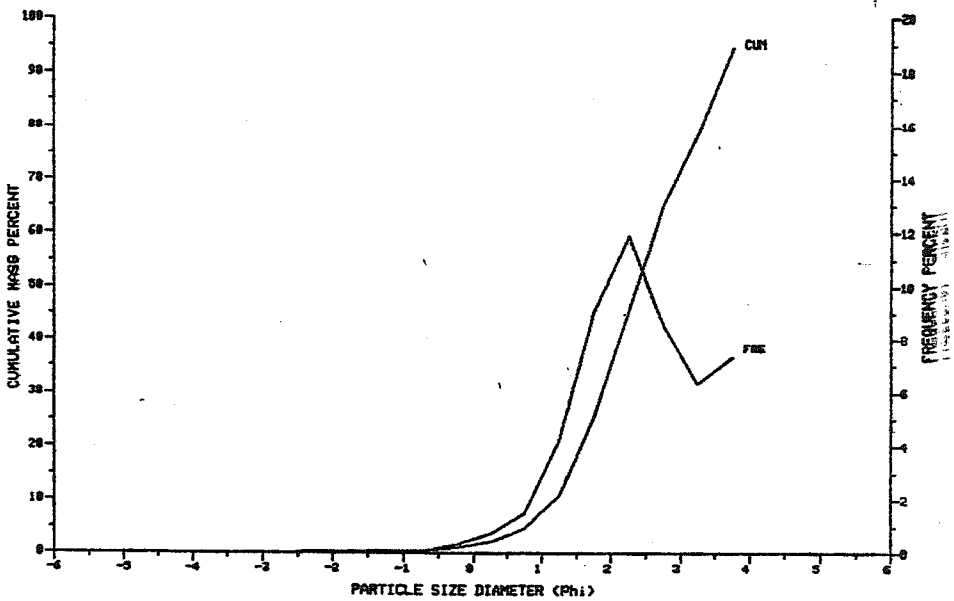
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 72



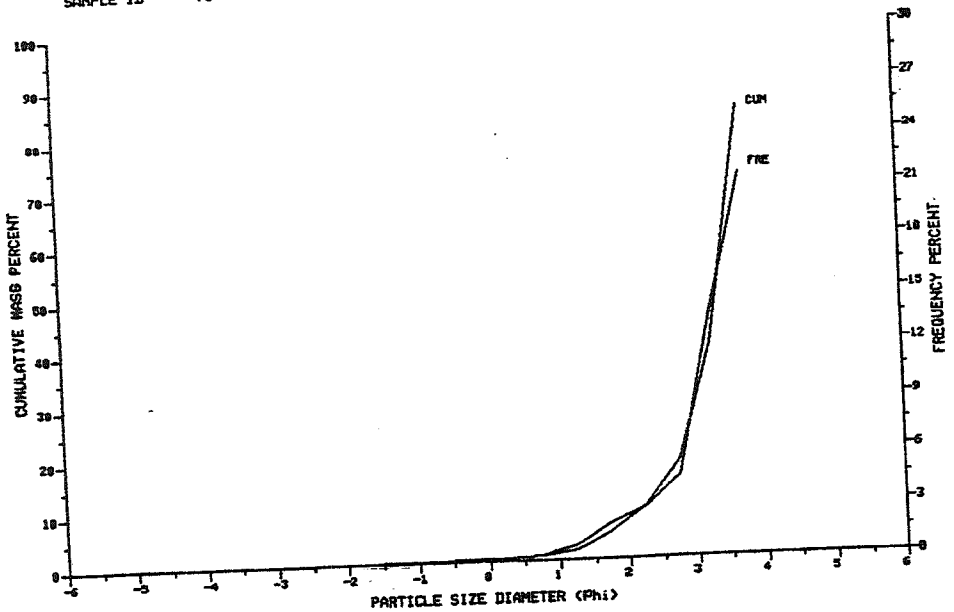
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 73



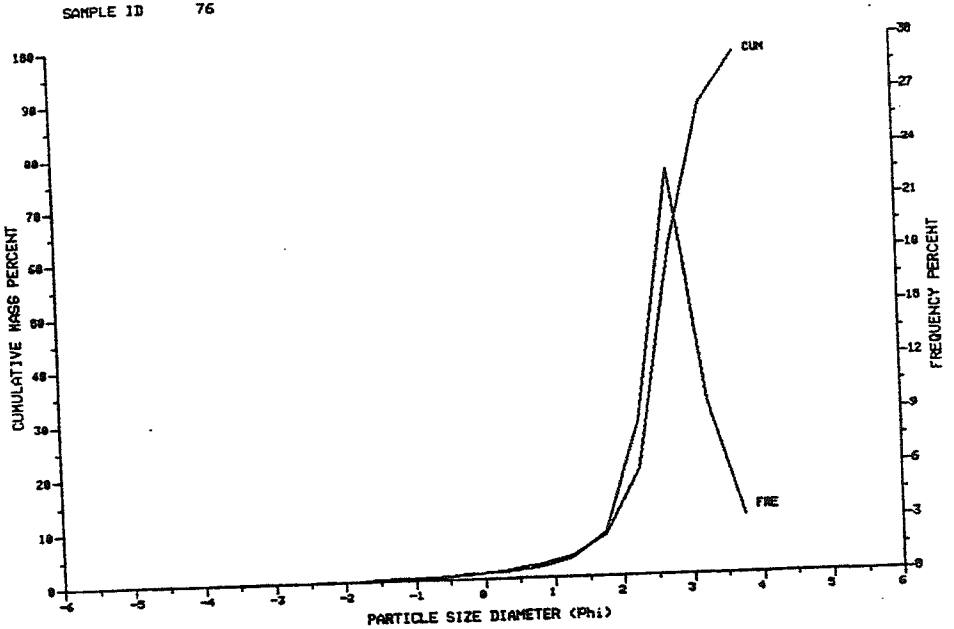
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 74



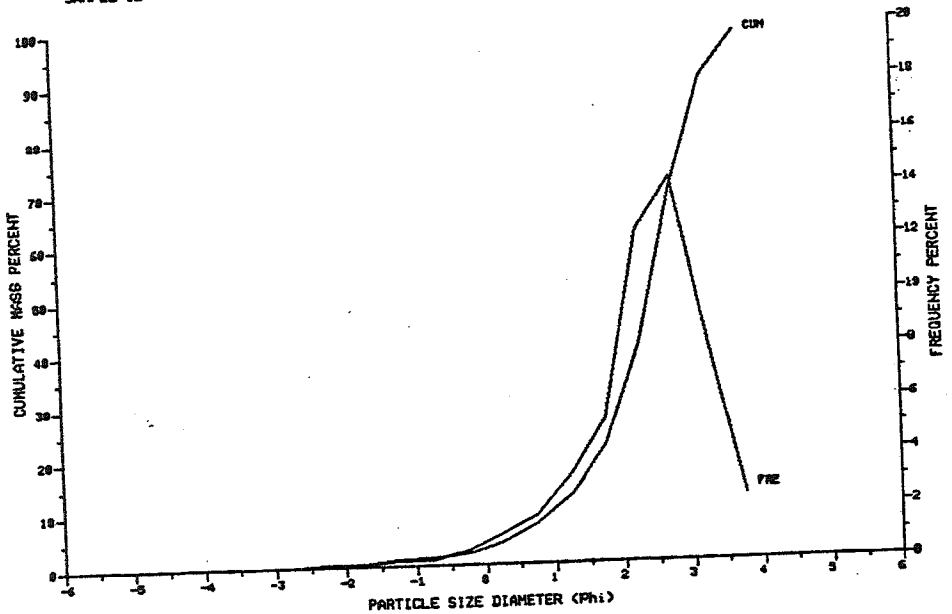
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 75



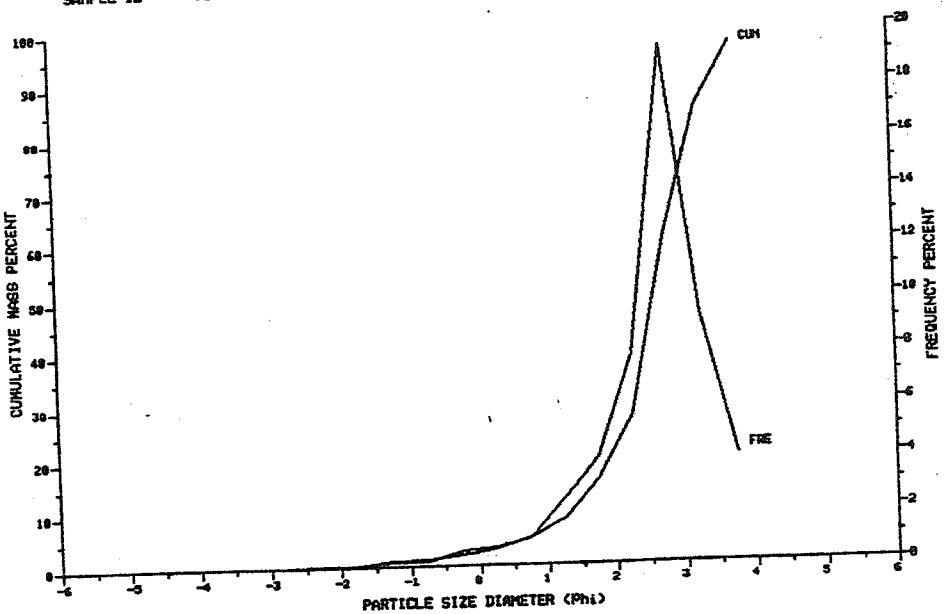
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 76



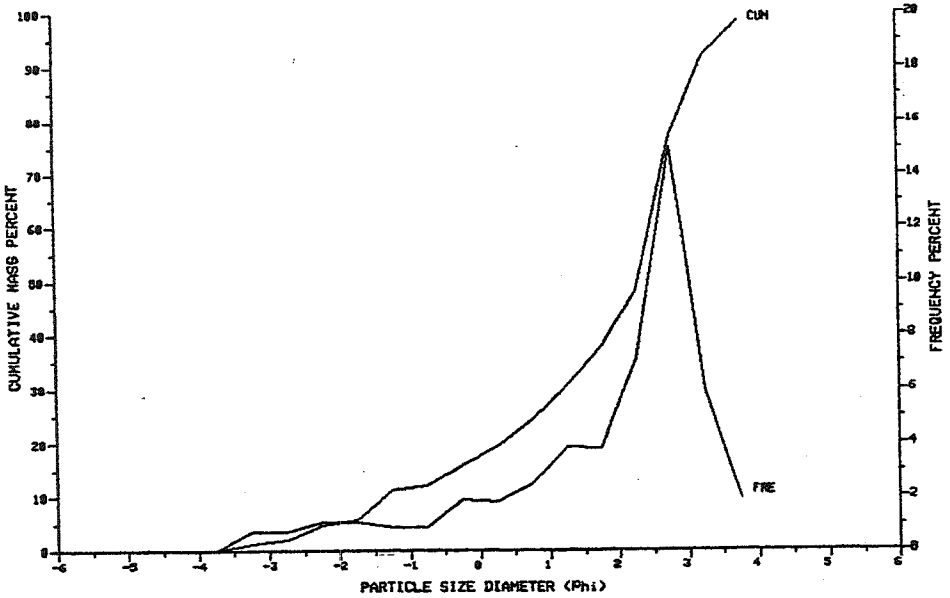
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 77



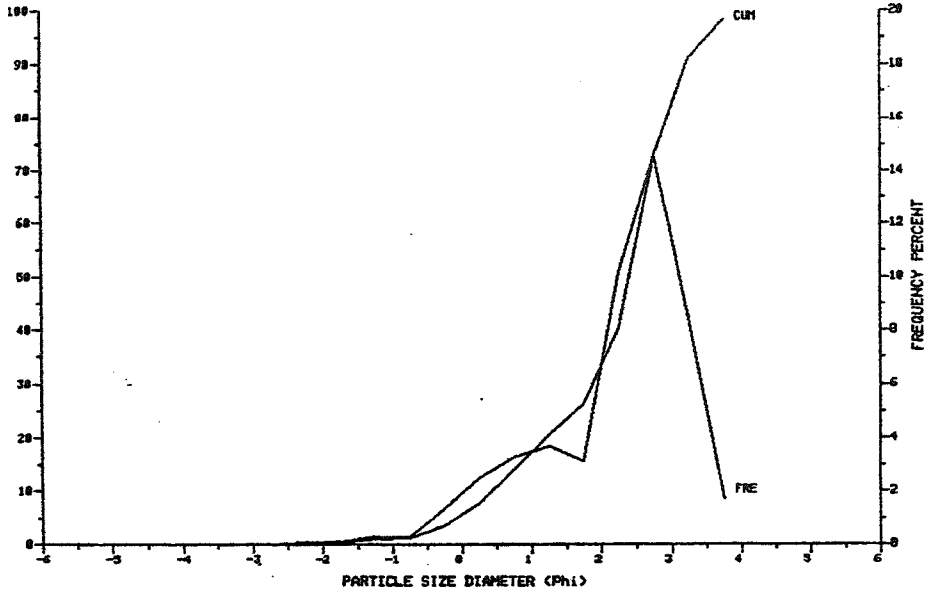
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 78



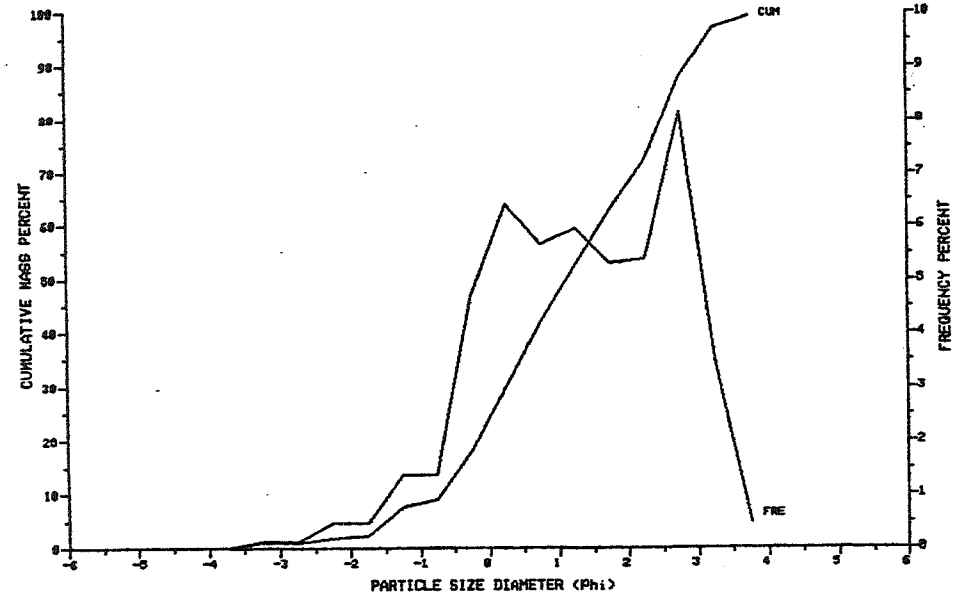
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 79



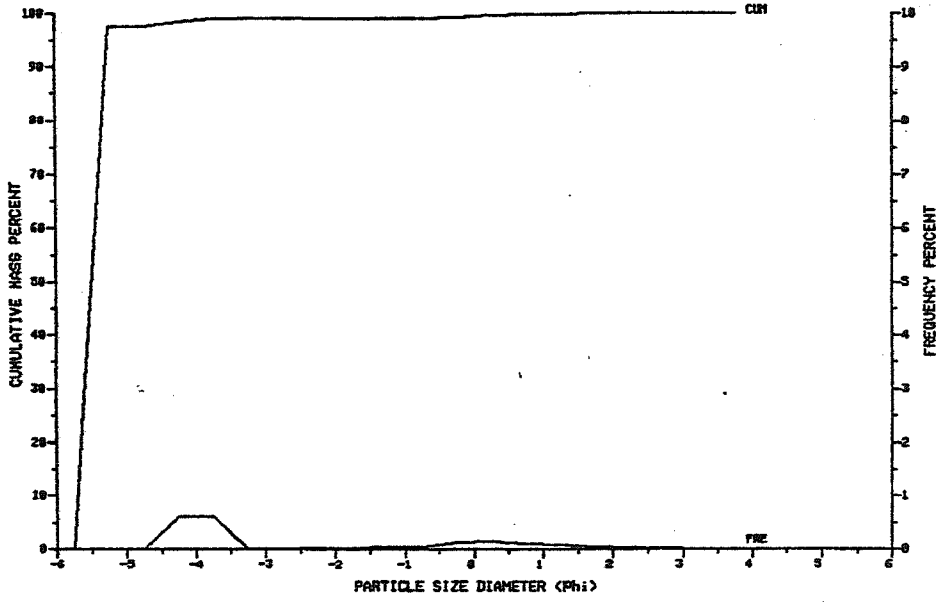
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 80



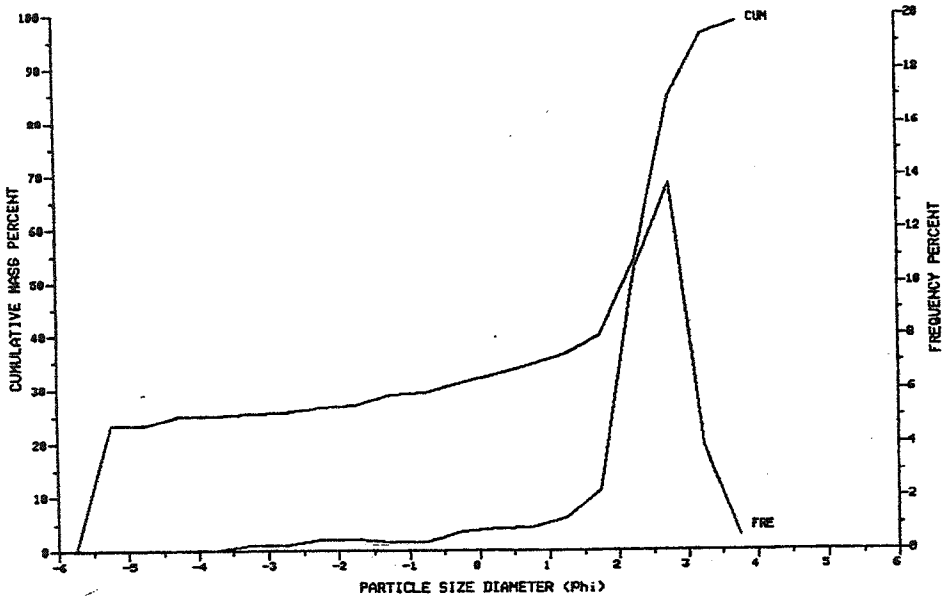
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 81



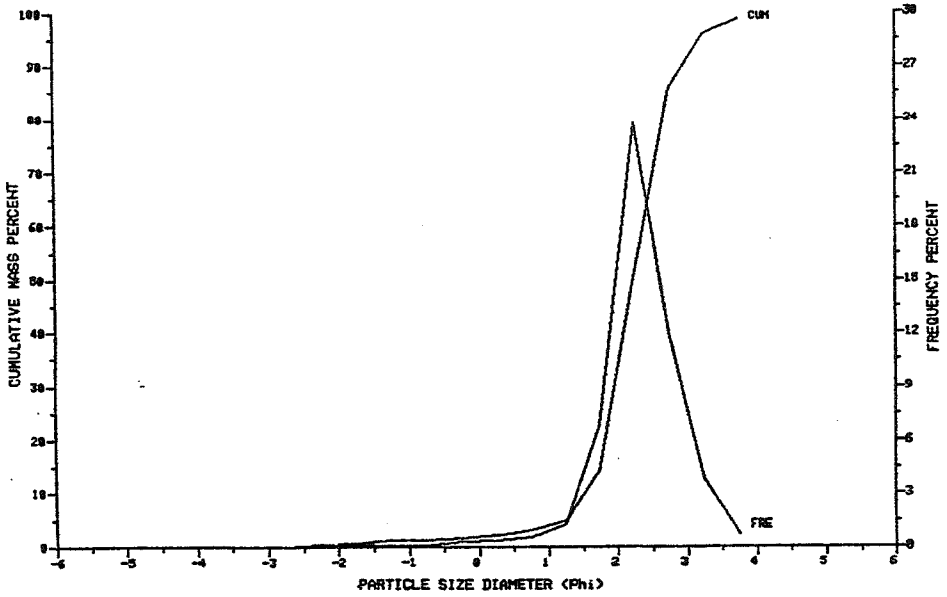
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 82



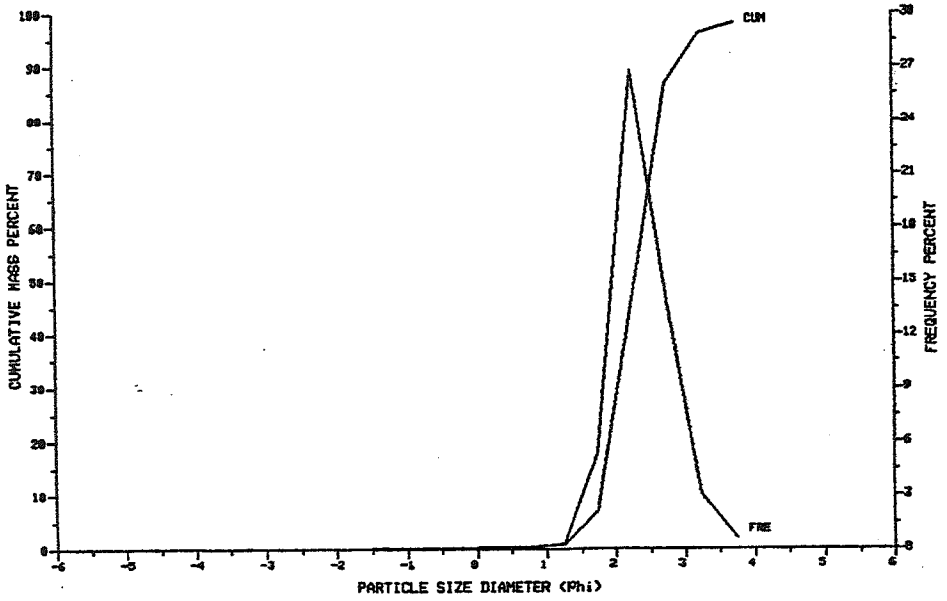
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 84



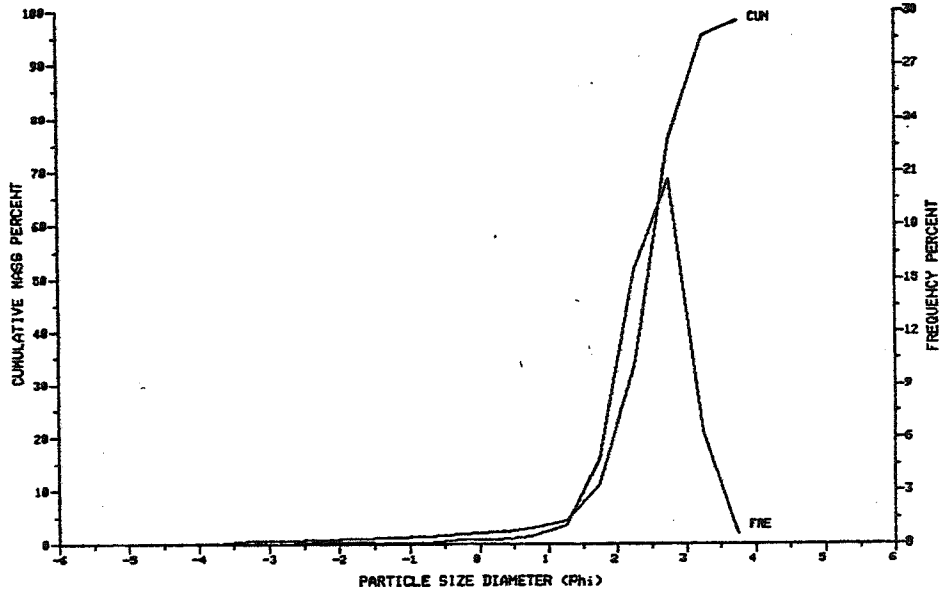
KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 85



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 86



KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 87



2.2 SEDIMENT TEXTURAL ANALYSES (INCLUDING MUD CONTENT)

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 71

TOTAL GRAVEL+SAND+MUD WEIGHT 68.78 grams
SAND SUB-SAMPLE SPLIT WEIGHT 27.77 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	2.12	2.12	3.08	3.08		
5.66	-2.50	0.00	0.00	0.00	3.08		
4.00	-2.00	0.00	0.00	0.00	3.08		
2.83	-1.50	0.53	0.53	0.77	3.85		
2.00	-1.00	0.38	0.38	0.55	4.40		
TOTAL GRAVEL			3.03	4.40	4.40		
1.41	-0.50	0.46	0.46	0.67	5.08		
1.00	0.00	0.88	0.89	1.29	6.37		
0.71	0.50	1.07	1.08	1.57	7.93		
0.50	1.00	1.67	1.68	2.45	10.38		
0.35	1.50	3.35	3.38	4.91	15.28		
0.25	2.00	6.37	6.42	9.33	24.61		
0.177	2.50	6.55	6.60	9.59	34.20		
0.125	3.00	3.97	4.00	5.81	40.02		
0.088	3.50	1.55	1.56	2.27	42.29		
0.0625	4.00	1.29	1.30	1.89	44.18		
TOTAL SAND			27.37	39.77	44.18		
0.0480	4.40	0.38	0.38	0.56	44.73		
0.0320	5.00	1.54	1.54	2.23	46.97		
0.0240	5.40	4.99	4.99	7.26	54.22		
0.0160	6.00	9.60	9.60	13.96	68.18		
0.0120	6.40	4.23	4.23	6.14	74.32		
0.0080	7.00	2.30	2.30	3.35	77.67		
0.0060	7.40	1.15	1.15	1.67	79.34		
0.0040	8.00	1.54	1.54	2.23	81.58		
0.0030	8.40	1.15	1.15	1.67	83.25		
0.0020	9.00	1.54	1.54	2.23	85.49		
0.0015	9.40	1.15	1.15	1.67	87.16		
0.0010	10.00	1.54	1.54	2.23	89.39		
<0.0010		7.30	7.30	10.61	100.00		
TOTAL MUD			38.41	55.82	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	3.985	3.757	3.911
Deviation	2.944	2.607	2.792
Skewness	-0.235	-0.176	-0.140
Kurtosis	0.000	0.884	0.987
Median		4.217	
Skewness2		-0.194	
Percent Gravel	4.40		
Percent Sand	39.77		
Percent Mud	55.82		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 72

TOTAL GRAVEL+SAND+MUD WEIGHT 951.65 grams
SAND SUB-SAMPLE SPLIT WEIGHT 18.57 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	104.15	104.15	24.26	24.26		
22.6	-4.50	0.00	0.00	0.00	24.26		
16.0	-4.00	0.00	0.00	0.00	24.26		
11.3	-3.50	6.49	6.49	1.51	25.77		
8.00	-3.00	7.93	7.93	1.85	27.62		
5.66	-2.50	4.45	4.45	1.04	28.65		
4.00	-2.00	4.66	4.66	1.09	29.74		
2.83	-1.50	7.30	7.30	1.70	31.44		
2.00	-1.00	8.80	8.80	2.05	33.49		
TOTAL GRAVEL			143.78	33.49	33.49		
1.41	-0.50	0.35	0.35	0.08	33.57		
1.00	0.00	0.49	0.49	0.11	33.68		
0.71	0.50	0.55	0.55	0.13	33.81		
0.50	1.00	1.02	1.02	0.24	34.05		
0.35	1.50	2.29	2.29	0.53	34.58		
0.25	2.00	3.54	3.53	0.82	35.40		
0.177	2.50	3.86	3.85	0.90	36.30		
0.125	3.00	2.70	2.69	0.63	36.93		
0.088	3.50	2.10	2.10	0.49	37.42		
0.0625	4.00	1.53	1.53	0.36	37.77		
TOTAL SAND			18.39	4.28	37.77		
0.0480	4.40	2.67	2.67	0.62	38.40		
0.0320	5.00	8.01	8.01	1.87	40.26		
0.0240	5.40	8.01	8.01	1.87	42.13		
0.0160	6.00	16.03	16.03	3.73	45.86		
0.0120	6.40	13.36	13.36	3.11	48.97		
0.0080	7.00	8.01	8.01	1.87	50.84		
0.0060	7.40	8.01	8.01	1.87	52.71		
0.0040	8.00	8.01	8.01	1.87	54.57		
0.0030	8.40	5.34	5.34	1.24	55.82		
0.0020	9.00	13.36	13.36	3.11	58.93		
0.0015	9.40	8.01	8.01	1.87	60.80		
0.0010	10.00	13.36	13.36	3.11	63.91		
<0.0010		154.95	154.95	36.09	100.00		
TOTAL MUD			267.16	62.23	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	0.735	0.986	0.116
Deviation	5.791	6.525	5.522
Skewness	0.234	0.400	0.428
Kurtosis	0.000	0.143	0.531
Median		-1.625	
Skewness2		0.520	
Percent Gravel	33.49		
Percent Sand	4.28		
Percent Mud	62.23		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 73

TOTAL GRAVEL+SAND+MUD WEIGHT 144.85 grams
SAND SUB-SAMPLE SPLIT WEIGHT 21.78 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumn.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.26	0.26	0.18	0.18		
2.83	-1.50	0.42	0.42	0.29	0.47		
2.00	-1.00	0.32	0.32	0.22	0.69		
TOTAL GRAVEL			1.00	0.69	0.69		
1.41	-0.50	0.15	0.95	0.66	1.35		
1.00	0.00	0.19	1.21	0.83	2.18		
0.71	0.50	0.24	1.53	1.05	3.24		
0.50	1.00	0.36	2.29	1.58	4.82		
0.35	1.50	0.77	4.90	3.38	8.20		
0.25	2.00	1.80	11.45	7.91	16.11		
0.177	2.50	3.18	20.23	13.97	30.07		
0.125	3.00	5.17	32.89	22.71	52.78		
0.088	3.50	5.23	33.27	22.97	75.75		
0.0625	4.00	4.21	26.78	18.49	94.24		
TOTAL SAND			135.50	93.55	94.24		
0.0480	4.40	0.50	0.50	0.35	94.58		
0.0320	5.00	1.92	1.92	1.33	95.91		
0.0240	5.40	0.75	0.75	0.52	96.43		
0.0160	6.00	0.50	0.50	0.35	96.77		
0.0120	6.40	0.33	0.33	0.23	97.00		
0.0080	7.00	0.42	0.42	0.29	97.29		
0.0060	7.40	0.25	0.25	0.17	97.46		
0.0040	8.00	0.50	0.50	0.35	97.81		
0.0030	8.40	0.42	0.42	0.29	98.10		
0.0020	9.00	0.42	0.42	0.29	98.39		
0.0015	9.40	0.33	0.33	0.23	98.62		
0.0010	10.00	0.50	0.50	0.35	98.96		
<0.0010		1.50	1.50	1.04	100.00		
TOTAL MUD			8.35	5.76	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.887	2.591	2.620
Deviation	1.278	0.858	0.880
Skewness	0.966	-0.100	-0.192
Kurtosis	0.000	0.733	1.053
Median		2.677	
Skewness2		-0.490	
Percent Gravel	0.69		
Percent Sand	93.55		
Percent Mud	5.76		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 74

TOTAL GRAVEL+SAND+MUD WEIGHT 145.10 grams
SAND SUB-SAMPLE SPLIT WEIGHT 19.11 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.13	0.13	0.09	0.09		
2.00	-1.00	0.13	0.13	0.09	0.18		
TOTAL GRAVEL			0.26	0.18	0.18		
1.41	-0.50	0.03	0.22	0.15	0.33		
1.00	0.00	0.12	0.88	0.61	0.94		
0.71	0.50	0.25	1.83	1.26	2.20		
0.50	1.00	0.50	3.66	2.52	4.72		
0.35	1.50	1.22	8.94	6.16	10.88		
0.25	2.00	2.81	20.58	14.18	25.06		
0.177	2.50	4.01	29.37	20.24	45.31		
0.125	3.00	3.97	29.08	20.04	65.35		
0.088	3.50	2.59	18.97	13.07	78.42		
0.0625	4.00	3.22	23.58	16.25	94.67		
TOTAL SAND			137.11	94.49	94.67		
0.0480	4.40	0.77	0.77	0.53	95.21		
0.0320	5.00	2.40	2.40	1.65	96.86		
0.0240	5.40	0.70	0.70	0.48	97.34		
0.0160	6.00	0.46	0.46	0.32	97.66		
0.0120	6.40	0.31	0.31	0.21	97.87		
0.0080	7.00	0.23	0.23	0.16	98.03		
0.0060	7.40	0.23	0.23	0.16	98.19		
0.0040	8.00	0.23	0.23	0.16	98.35		
0.0030	8.40	0.23	0.23	0.16	98.51		
0.0020	9.00	0.39	0.39	0.27	98.77		
0.0015	9.40	0.31	0.31	0.21	98.99		
0.0010	10.00	0.46	0.46	0.32	99.31		
<0.0010		1.00	1.00	0.69	100.00		
TOTAL MUD			7.73	5.33	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.682	2.415	2.396
Deviation	1.212	0.989	0.944
Skewness	1.533	0.057	-0.006
Kurtosis	0.000	0.502	0.897
Median		2.358	
Skewness2		-0.105	
Percent Gravel	0.18		
Percent Sand	94.49		
Percent Mud	5.33		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 75

TOTAL GRAVEL+SAND+MUD WEIGHT 143.34 grams
SAND SUB-SAMPLE SPLIT WEIGHT 18.66 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
TOTAL GRAVEL			0.00	0.00	0.00		
1.41	-0.50	0.01	0.07	0.05	0.05		
1.00	0.00	0.02	0.14	0.10	0.15		
0.71	0.50	0.03	0.21	0.15	0.30		
0.50	1.00	0.08	0.57	0.40	0.69		
0.35	1.50	0.22	1.56	1.09	1.78		
0.25	2.00	0.67	4.76	3.32	5.10		
0.177	2.50	0.97	6.89	4.80	9.91		
0.125	3.00	1.66	11.79	8.22	18.13		
0.088	3.50	4.36	30.95	21.60	39.72		
0.0625	4.00	8.99	63.83	44.53	84.25		
TOTAL SAND			120.76	84.25	84.25		
0.0480	4.40	2.71	2.71	1.89	86.14		
0.0320	5.00	9.26	9.26	6.46	92.60		
0.0240	5.40	2.03	2.03	1.42	94.02		
0.0160	6.00	1.35	1.35	0.94	94.96		
0.0120	6.40	0.23	0.23	0.16	95.12		
0.0080	7.00	0.45	0.45	0.31	95.43		
0.0060	7.40	0.45	0.45	0.31	95.75		
0.0040	8.00	0.45	0.45	0.31	96.06		
0.0030	8.40	0.45	0.45	0.31	96.38		
0.0020	9.00	0.45	0.45	0.31	96.69		
0.0015	9.40	0.45	0.45	0.31	97.01		
0.0010	10.00	0.68	0.68	0.47	97.48		
<0.0010		3.61	3.61	2.52	100.00		
TOTAL MUD			22.58	15.75	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	3.594	3.160	3.224
Deviation	1.098	0.564	0.742
Skewness	1.884	-0.340	-0.208
Kurtosis	0.000	1.694	1.704
Median		3.351	
Skewness2		-0.207	
Percent Gravel	0.00		
Percent Sand	84.25		
Percent Mud	15.75		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 76

TOTAL GRAVEL+SAND+MUD WEIGHT 157.79 grams
SAND SUB-SAMPLE SPLIT WEIGHT 23.00 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.11	0.11	0.07	0.07		
TOTAL GRAVEL			0.11	0.07	0.07		
1.41	-0.50	0.08	0.54	0.34	0.41		
1.00	0.00	0.08	0.54	0.34	0.75		
0.71	0.50	0.12	0.80	0.51	1.26		
0.50	1.00	0.23	1.54	0.98	2.23		
0.35	1.50	0.38	2.55	1.61	3.85		
0.25	2.00	0.92	6.16	3.91	7.75		
0.177	2.50	2.77	18.56	11.76	19.51		
0.125	3.00	9.74	65.25	41.35	60.86		
0.088	3.50	6.33	42.40	26.87	87.74		
0.0625	4.00	2.17	14.54	9.21	96.95		
TOTAL SAND			152.87	96.88	96.95		
0.0480	4.40	0.48	0.48	0.31	97.25		
0.0320	5.00	1.40	1.40	0.88	98.14		
0.0240	5.40	0.53	0.53	0.34	98.47		
0.0160	6.00	0.29	0.29	0.18	98.66		
0.0120	6.40	0.14	0.14	0.09	98.75		
0.0080	7.00	0.14	0.14	0.09	98.84		
0.0060	7.40	0.14	0.14	0.09	98.93		
0.0040	8.00	0.19	0.19	0.12	99.05		
0.0030	8.40	0.19	0.19	0.12	99.18		
0.0020	9.00	0.19	0.19	0.12	99.30		
0.0015	9.40	0.19	0.19	0.12	99.42		
0.0010	10.00	0.19	0.19	0.12	99.54		
<0.0010		0.72	0.72	0.46	100.00		
TOTAL MUD			4.81	3.05	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.882	2.635	2.629
Deviation	0.867	0.538	0.606
Skewness	1.569	0.036	-0.030
Kurtosis	0.000	1.069	1.319
Median		2.616	
Skewness2		-0.201	
Percent Gravel	0.07		
Percent Sand	96.88		
Percent Mud	3.05		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 77

TOTAL GRAVEL+SAND+MUD WEIGHT 166.62 grams
SAND SUB-SAMPLE SPLIT WEIGHT 24.64 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.37	0.37	0.22	0.22		
2.83	-1.50	0.12	0.12	0.07	0.29		
2.00	-1.00	0.35	0.35	0.21	0.50		
TOTAL GRAVEL			0.84	0.50	0.50		
1.41	-0.50	0.19	1.26	0.76	1.26		
1.00	0.00	0.23	1.52	0.91	2.17		
0.71	0.50	0.50	3.31	1.99	4.16		
0.50	1.00	0.86	5.70	3.42	7.58		
0.35	1.50	1.33	8.81	5.29	12.87		
0.25	2.00	2.22	14.71	8.83	21.70		
0.177	2.50	4.66	30.88	18.54	40.24		
0.125	3.00	7.37	48.84	29.31	69.55		
0.088	3.50	5.12	33.93	20.37	89.92		
0.0625	4.00	2.06	13.65	8.19	98.11		
TOTAL SAND			162.64	97.61	98.11		
0.0480	4.40	0.25	0.25	0.15	98.26		
0.0320	5.00	0.66	0.66	0.40	98.66		
0.0240	5.40	0.31	0.31	0.19	98.85		
0.0160	6.00	0.22	0.22	0.13	98.98		
0.0120	6.40	0.13	0.13	0.08	99.06		
0.0080	7.00	0.13	0.13	0.08	99.13		
0.0060	7.40	0.13	0.13	0.08	99.21		
0.0040	8.00	0.16	0.16	0.09	99.30		
0.0030	8.40	0.13	0.13	0.08	99.38		
0.0020	9.00	0.16	0.16	0.09	99.47		
0.0015	9.40	0.16	0.16	0.09	99.57		
0.0010	10.00	0.16	0.16	0.09	99.66		
<0.0010		0.57	0.57	0.34	100.00		
TOTAL MUD			3.14	1.89	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.533	2.261	2.312
Deviation	1.063	0.837	0.899
Skewness	0.174	-0.183	-0.236
Kurtosis	0.000	0.894	1.248
Median		2.414	
Skewness2		-0.548	
Percent Gravel	0.50		
Percent Sand	97.61		
Percent Mud	1.89		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 78

TOTAL GRAVEL+SAND+MUD WEIGHT 155.54 grams
SAND SUB-SAMPLE SPLIT WEIGHT 23.55 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.16	0.16	0.10	0.10		
2.83	-1.50	0.14	0.14	0.09	0.19		
2.00	-1.00	0.54	0.54	0.35	0.54		
TOTAL GRAVEL			0.84	0.54	0.54		
1.41	-0.50	0.15	0.96	0.62	1.16		
1.00	0.00	0.21	1.35	0.87	2.02		
0.71	0.50	0.29	1.86	1.20	3.22		
0.50	1.00	0.45	2.88	1.85	5.07		
0.35	1.50	0.89	5.70	3.67	8.74		
0.25	2.00	1.71	10.96	7.05	15.79		
0.177	2.50	2.85	18.27	11.74	27.53		
0.125	3.00	8.19	52.49	33.75	61.28		
0.088	3.50	5.80	37.17	23.90	85.18		
0.0625	4.00	2.83	18.14	11.66	96.84		
TOTAL SAND			149.79	96.30	96.84		
0.0480	4.40	0.39	0.39	0.25	97.09		
0.0320	5.00	1.33	1.33	0.85	97.95		
0.0240	5.40	0.44	0.44	0.28	98.23		
0.0160	6.00	0.39	0.39	0.25	98.48		
0.0120	6.40	0.15	0.15	0.09	98.58		
0.0080	7.00	0.20	0.20	0.13	98.71		
0.0060	7.40	0.10	0.10	0.06	98.77		
0.0040	8.00	0.20	0.20	0.13	98.89		
0.0030	8.40	0.20	0.20	0.13	99.02		
0.0020	9.00	0.25	0.25	0.16	99.18		
0.0015	9.40	0.25	0.25	0.16	99.34		
0.0010	10.00	0.34	0.34	0.22	99.56		
<0.0010		0.69	0.69	0.44	100.00		
TOTAL MUD			4.91	3.16	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.760	2.487	2.518
Deviation	1.092	0.731	0.809
Skewness	0.699	-0.127	-0.197
Kurtosis	0.000	1.004	1.345
Median		2.580	
Skewness2		-0.535	
Percent Gravel	0.54		
Percent Sand	96.30		
Percent Mud	3.16		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 79

TOTAL GRAVEL+SAND+MUD WEIGHT 207.37 grams
SAND SUB-SAMPLE SPLIT WEIGHT 27.21 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	1.07	1.07	0.52	0.52		
5.66	-2.50	2.90	2.90	1.40	1.91		
4.00	-2.00	3.51	3.51	1.69	3.61		
2.83	-1.50	4.36	4.36	2.10	5.71		
2.00	-1.00	6.48	6.48	3.12	8.83		
TOTAL GRAVEL			18.32	8.83	8.83		
1.41	-0.50	0.98	6.69	3.23	12.06		
1.00	0.00	1.16	7.92	3.82	15.88		
0.71	0.50	1.05	7.17	3.46	19.34		
0.50	1.00	1.44	9.83	4.74	24.08		
0.35	1.50	1.95	13.31	6.42	30.49		
0.25	2.00	2.17	14.81	7.14	37.64		
0.177	2.50	3.15	21.50	10.37	48.01		
0.125	3.00	8.83	60.28	29.07	77.07		
0.088	3.50	4.55	31.06	14.98	92.05		
0.0625	4.00	1.92	13.11	6.32	98.37		
TOTAL SAND			185.60	89.54	98.37		
0.0480	4.40	0.17	0.17	0.08	98.45		
0.0320	5.00	0.74	0.74	0.36	98.81		
0.0240	5.40	0.37	0.37	0.18	98.99		
0.0160	6.00	0.27	0.27	0.13	99.12		
0.0120	6.40	0.13	0.13	0.07	99.19		
0.0080	7.00	0.13	0.13	0.07	99.25		
0.0060	7.40	0.10	0.10	0.05	99.30		
0.0040	8.00	0.20	0.20	0.10	99.40		
0.0030	8.40	0.17	0.17	0.08	99.48		
0.0020	9.00	0.17	0.17	0.08	99.56		
0.0015	9.40	0.17	0.17	0.08	99.64		
0.0010	10.00	0.20	0.20	0.10	99.74		
<0.0010		0.54	0.54	0.26	100.00		
TOTAL MUD			3.37	1.63	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.896	1.368	1.672
Deviation	1.718	1.606	1.619
Skewness	-0.723	-0.569	-0.565
Kurtosis	0.000	0.676	1.165
Median		2.282	
Skewness2		-0.941	
Percent Gravel	8.83		
Percent Sand	89.54		
Percent Mud	1.63		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 80

TOTAL GRAVEL+SAND+MUD WEIGHT 176.56 grams
SAND SUB-SAMPLE SPLIT WEIGHT 24.62 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.18	0.18	0.10	0.10		
2.00	-1.00	0.45	0.45	0.25	0.36		
TOTAL GRAVEL			0.63	0.36	0.36		
1.41	-0.50	0.21	1.48	0.84	1.19		
1.00	0.00	0.56	3.94	2.23	3.43		
0.71	0.50	1.07	7.53	4.27	7.69		
0.50	1.00	1.60	11.26	6.38	14.07		
0.35	1.50	1.65	11.62	6.58	20.65		
0.25	2.00	1.38	9.71	5.50	26.15		
0.177	2.50	3.56	25.06	14.19	40.35		
0.125	3.00	8.16	57.44	32.53	72.88		
0.088	3.50	4.56	32.10	18.18	91.06		
0.0625	4.00	1.80	12.67	7.18	98.24		
TOTAL SAND			172.82	97.88	98.24		
0.0480	4.40	0.19	0.19	0.11	98.34		
0.0320	5.00	0.53	0.53	0.30	98.64		
0.0240	5.40	0.34	0.34	0.19	98.84		
0.0160	6.00	0.25	0.25	0.14	98.98		
0.0120	6.40	0.12	0.12	0.07	99.05		
0.0080	7.00	0.16	0.16	0.09	99.14		
0.0060	7.40	0.12	0.12	0.07	99.21		
0.0040	8.00	0.22	0.22	0.12	99.33		
0.0030	8.40	0.16	0.16	0.09	99.42		
0.0020	9.00	0.22	0.22	0.12	99.54		
0.0015	9.40	0.16	0.16	0.09	99.63		
0.0010	10.00	0.25	0.25	0.14	99.77		
<0.0010		0.40	0.40	0.23	100.00		
TOTAL MUD			3.11	1.76	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.402	1.972	2.114
Deviation	1.187	1.078	1.081
Skewness	0.273	-0.394	-0.386
Kurtosis	0.000	0.658	1.260
Median		2.397	
Skewness2		-0.626	
Percent Gravel	0.36		
Percent Sand	97.88		
Percent Mud	1.76		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 81

TOTAL GRAVEL+SAND+MUD WEIGHT 198.07 grams
SAND SUB-SAMPLE SPLIT WEIGHT 26.44 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	1.44	1.44	0.73	0.73		
5.66	-2.50	0.48	0.48	0.24	0.97		
4.00	-2.00	0.70	0.70	0.35	1.32		
2.83	-1.50	1.85	1.85	0.93	2.26		
2.00	-1.00	4.29	4.29	2.17	4.42		
TOTAL GRAVEL			8.76	4.42	4.42		
1.41	-0.50	1.29	9.14	4.62	9.04		
1.00	0.00	2.53	17.93	9.05	18.09		
0.71	0.50	3.34	23.67	11.95	30.04		
0.50	1.00	3.34	23.67	11.95	42.00		
0.35	1.50	2.99	21.19	10.70	52.70		
0.25	2.00	2.83	20.06	10.13	62.82		
0.177	2.50	2.59	18.36	9.27	72.09		
0.125	3.00	4.40	31.19	15.75	87.84		
0.088	3.50	2.53	17.93	9.05	96.89		
0.0625	4.00	0.62	4.39	2.22	99.11		
TOTAL SAND			187.55	94.69	99.11		
0.0480	4.40	0.09	0.09	0.04	99.15		
0.0320	5.00	0.25	0.25	0.12	99.28		
0.0240	5.40	0.16	0.16	0.08	99.36		
0.0160	6.00	0.16	0.16	0.08	99.44		
0.0120	6.40	0.09	0.09	0.04	99.48		
0.0080	7.00	0.09	0.09	0.04	99.53		
0.0060	7.40	0.07	0.07	0.04	99.56		
0.0040	8.00	0.12	0.12	0.06	99.63		
0.0030	8.40	0.09	0.09	0.04	99.67		
0.0020	9.00	0.12	0.12	0.06	99.73		
0.0015	9.40	0.11	0.11	0.05	99.79		
0.0010	10.00	0.12	0.12	0.06	99.85		
<0.0010		0.30	0.30	0.15	100.00		
TOTAL MUD			1.76	0.89	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	1.363	1.129	1.126
Deviation	1.483	1.495	1.403
Skewness	0.072	0.005	-0.031
Kurtosis	0.000	0.446	0.770
Median		1.120	
Skewness2		-0.097	
Percent Gravel	4.42		
Percent Sand	94.69		
Percent Mud	0.89		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 84

TOTAL GRAVEL+SAND+MUD WEIGHT 637.56 grams
SAND SUB-SAMPLE SPLIT WEIGHT 16.45 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	148.86	148.86	23.35	23.35		
22.6	-4.50	0.00	0.00	0.00	23.35		
16.0	-4.00	10.08	10.08	1.58	24.93		
11.3	-3.50	0.00	0.00	0.00	24.93		
8.00	-3.00	2.03	2.03	0.32	25.25		
5.66	-2.50	2.46	2.46	0.39	25.63		
4.00	-2.00	3.28	3.28	0.51	26.15		
2.83	-1.50	4.69	4.69	0.74	26.88		
2.00	-1.00	6.23	6.23	0.98	27.86		
TOTAL GRAVEL			177.63	27.86	27.86		
1.41	-0.50	0.33	9.10	1.43	29.29		
1.00	0.00	0.43	11.86	1.86	31.15		
0.71	0.50	0.34	9.38	1.47	32.62		
0.50	1.00	0.41	11.31	1.77	34.39		
0.35	1.50	0.47	12.96	2.03	36.42		
0.25	2.00	0.82	22.61	3.55	39.97		
0.177	2.50	3.32	91.55	14.36	54.33		
0.125	3.00	7.03	193.85	30.40	84.73		
0.088	3.50	2.69	74.18	11.63	96.37		
0.0625	4.00	0.56	15.44	2.42	98.79		
TOTAL SAND			452.22	70.93	98.79		
0.0480	4.40	0.15	0.15	0.02	98.82		
0.0320	5.00	0.62	0.62	0.10	98.91		
0.0240	5.40	0.54	0.54	0.08	99.00		
0.0160	6.00	0.62	0.62	0.10	99.09		
0.0120	6.40	0.31	0.31	0.05	99.14		
0.0080	7.00	0.46	0.46	0.07	99.21		
0.0060	7.40	0.31	0.31	0.05	99.26		
0.0040	8.00	0.46	0.46	0.07	99.34		
0.0030	8.40	0.39	0.39	0.06	99.40		
0.0020	9.00	0.54	0.54	0.08	99.48		
0.0015	9.40	0.39	0.39	0.06	99.54		
0.0010	10.00	0.46	0.46	0.07	99.61		
<0.0010		2.47	2.47	0.39	100.00		
TOTAL MUD			7.71	1.21	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	0.426	-1.338	-0.195
Deviation	3.449	4.071	3.371
Skewness	-0.825	-0.843	-0.799
Kurtosis	0.000	0.083	0.528
Median		2.092	
Skewness2		-0.817	
Percent Gravel	27.86		
Percent Sand	70.93		
Percent Mud	1.21		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 05

TOTAL GRAVEL+SAND+MUD WEIGHT 191.14 grams
SAND SUB-SAMPLE SPLIT WEIGHT 23.68 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.63	0.63	0.33	0.33		
2.83	-1.50	0.45	0.45	0.24	0.57		
2.00	-1.00	0.40	0.40	0.21	0.77		
TOTAL GRAVEL			1.48	0.77	0.77		
1.41	-0.50	0.08	0.63	0.33	1.10		
1.00	0.00	0.12	0.95	0.50	1.60		
0.71	0.50	0.14	1.11	0.58	2.18		
0.50	1.00	0.22	1.74	0.91	3.09		
0.35	1.50	0.45	3.55	1.86	4.95		
0.25	2.00	2.26	17.85	9.34	14.29		
0.177	2.50	8.95	70.70	36.99	51.28		
0.125	3.00	8.33	65.80	34.43	85.71		
0.088	3.50	2.46	19.43	10.17	95.87		
0.0625	4.00	0.64	5.06	2.65	98.52		
TOTAL SAND			186.83	97.74	98.52		
0.0480	4.40	0.09	0.09	0.04	98.56		
0.0320	5.00	0.43	0.43	0.22	98.78		
0.0240	5.40	0.26	0.26	0.13	98.92		
0.0160	6.00	0.26	0.26	0.13	99.05		
0.0120	6.40	0.11	0.11	0.06	99.11		
0.0080	7.00	0.14	0.14	0.07	99.18		
0.0060	7.40	0.14	0.14	0.07	99.26		
0.0040	8.00	0.17	0.17	0.09	99.35		
0.0030	8.40	0.14	0.14	0.07	99.42		
0.0020	9.00	0.20	0.20	0.10	99.53		
0.0015	9.40	0.11	0.11	0.06	99.58		
0.0010	10.00	0.20	0.20	0.10	99.69		
<0.0010		0.60	0.60	0.31	100.00		
TOTAL MUD			2.83	1.48	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.472	2.247	2.242
Deviation	0.865	0.474	0.531
Skewness	0.735	0.034	0.013
Kurtosis	0.000	1.045	1.140
Median		2.231	
Skewness2		-0.018	
Percent Gravel	0.77		
Percent Sand	97.74		
Percent Mud	1.48		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 86

TOTAL GRAVEL+SAND+MUD WEIGHT 199.46 grams
SAND SUB-SAMPLE SPLIT WEIGHT 15.70 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.00	0.00	0.00	0.00		
TOTAL GRAVEL			0.00	0.00	0.00		
1.41	-0.50	0.01	0.12	0.06	0.06		
1.00	0.00	0.01	0.12	0.06	0.13		
0.71	0.50	0.02	0.25	0.13	0.25		
0.50	1.00	0.03	0.37	0.19	0.44		
0.35	1.50	0.06	0.75	0.38	0.81		
0.25	2.00	1.02	12.72	6.38	7.19		
0.177	2.50	6.30	78.56	39.39	46.57		
0.125	3.00	6.44	80.30	40.26	86.84		
0.088	3.50	1.49	18.58	9.31	96.15		
0.0625	4.00	0.32	3.99	2.00	98.15		
TOTAL SAND			195.77	98.15	98.15		
0.0480	4.40	0.15	0.15	0.07	98.22		
0.0320	5.00	0.52	0.52	0.26	98.48		
0.0240	5.40	0.26	0.26	0.13	98.61		
0.0160	6.00	0.30	0.30	0.15	98.76		
0.0120	6.40	0.18	0.18	0.09	98.85		
0.0080	7.00	0.15	0.15	0.07	98.93		
0.0060	7.40	0.15	0.15	0.07	99.00		
0.0040	8.00	0.30	0.30	0.15	99.15		
0.0030	8.40	0.15	0.15	0.07	99.22		
0.0020	9.00	0.30	0.30	0.15	99.37		
0.0015	9.40	0.18	0.18	0.09	99.46		
0.0010	10.00	0.30	0.30	0.15	99.61		
<0.0010		0.77	0.77	0.39	100.00		
TOTAL MUD			3.69	1.85	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.599	2.286	2.287
Deviation	0.719	0.425	0.454
Skewness	4.560	-0.010	0.047
Kurtosis	0.000	0.873	1.045
Median		2.290	
Skewness2		0.194	
Percent Gravel	0.00		
Percent Sand	98.15		
Percent Mud	1.85		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 07

TOTAL GRAVEL+SAND+MUD WEIGHT 221.73 grams
SAND SUB-SAMPLE SPLIT WEIGHT 15.94 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	1.03	1.03	0.46	0.46		
5.66	-2.50	0.00	0.00	0.00	0.46		
4.00	-2.00	0.43	0.43	0.19	0.66		
2.83	-1.50	0.55	0.55	0.25	0.91		
2.00	-1.00	0.46	0.46	0.21	1.11		
TOTAL GRAVEL			2.47	1.11	1.11		
1.41	-0.50	0.03	0.40	0.18	1.30		
1.00	0.00	0.07	0.94	0.43	1.72		
0.71	0.50	0.07	0.94	0.43	2.15		
0.50	1.00	0.12	1.62	0.73	2.88		
0.35	1.50	0.24	3.24	1.46	4.34		
0.25	2.00	1.10	14.85	6.70	11.04		
0.177	2.50	3.70	49.95	22.53	33.56		
0.125	3.00	6.95	93.82	42.31	75.87		
0.088	3.50	3.22	43.47	19.60	95.48		
0.0625	4.00	0.44	5.94	2.68	98.16		
TOTAL SAND			215.17	97.04	98.16		
0.0480	4.40	0.08	0.08	0.04	98.19		
0.0320	5.00	0.49	0.49	0.22	98.41		
0.0240	5.40	0.25	0.25	0.11	98.52		
0.0160	6.00	0.29	0.29	0.13	98.65		
0.0120	6.40	0.16	0.16	0.07	98.73		
0.0080	7.00	0.20	0.20	0.09	98.82		
0.0060	7.40	0.16	0.16	0.07	98.89		
0.0040	8.00	0.25	0.25	0.11	99.00		
0.0030	8.40	0.25	0.25	0.11	99.11		
0.0020	9.00	0.29	0.29	0.13	99.24		
0.0015	9.40	0.25	0.25	0.11	99.35		
0.0010	10.00	0.33	0.33	0.15	99.50		
<0.0010		1.10	1.10	0.50	100.00		
TOTAL MUD			4.09	1.84	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.629	2.402	2.415
Deviation	0.965	0.544	0.564
Skewness	-0.043	-0.071	-0.129
Kurtosis	0.000	0.772	1.166
Median		2.441	
Skewness2		-0.330	
Percent Gravel	1.11		
Percent Sand	97.04		
Percent Mud	1.84		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985

SAMPLE ID 88

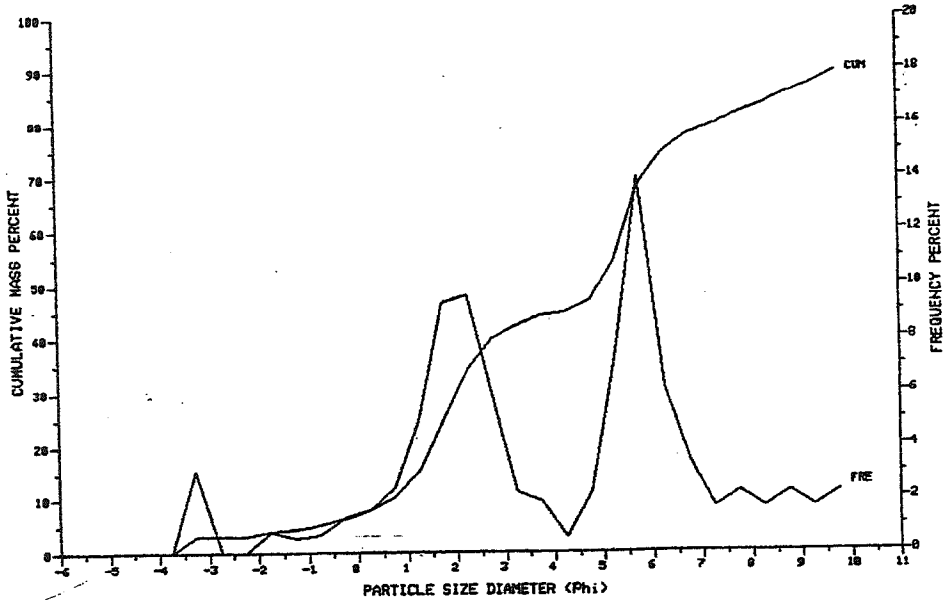
TOTAL GRAVEL+SAND+MUD WEIGHT 196.85 grams
SAND SUB-SAMPLE SPLIT WEIGHT 13.28 grams

SIZE FRACTION mm	phi	WEIGHT IN GRAMS uncor.	cor.	WEIGHT PERCENT cor.	cumm.	COARSE SHELL (grams)	MACRO-ORGANICS (grams)
32.0	-5.00	0.00	0.00	0.00	0.00		
22.6	-4.50	0.00	0.00	0.00	0.00		
16.0	-4.00	0.00	0.00	0.00	0.00		
11.3	-3.50	0.00	0.00	0.00	0.00		
8.00	-3.00	0.00	0.00	0.00	0.00		
5.66	-2.50	0.00	0.00	0.00	0.00		
4.00	-2.00	0.00	0.00	0.00	0.00		
2.83	-1.50	0.00	0.00	0.00	0.00		
2.00	-1.00	0.06	0.06	0.03	0.03		
TOTAL GRAVEL			0.06	0.03	0.03		
1.41	-0.50	0.00	0.00	0.00	0.03		
1.00	0.00	0.01	0.14	0.07	0.10		
0.71	0.50	0.02	0.29	0.15	0.25		
0.50	1.00	0.03	0.43	0.22	0.47		
0.35	1.50	0.09	1.30	0.66	1.13		
0.25	2.00	0.35	5.07	2.58	3.71		
0.177	2.50	1.87	27.09	13.76	17.47		
0.125	3.00	6.48	93.86	47.68	65.15		
0.088	3.50	3.98	57.65	29.29	94.44		
0.0625	4.00	0.47	6.81	3.46	97.90		
TOTAL SAND			192.65	97.87	97.90		
0.0480	4.40	0.12	0.12	0.06	97.96		
0.0320	5.00	0.41	0.41	0.21	98.17		
0.0240	5.40	0.29	0.29	0.15	98.32		
0.0160	6.00	0.29	0.29	0.15	98.46		
0.0120	6.40	0.21	0.21	0.11	98.57		
0.0080	7.00	0.21	0.21	0.11	98.68		
0.0060	7.40	0.17	0.17	0.08	98.76		
0.0040	8.00	0.33	0.33	0.17	98.93		
0.0030	8.40	0.25	0.25	0.13	99.05		
0.0020	9.00	0.33	0.33	0.17	99.22		
0.0015	9.40	0.25	0.25	0.13	99.35		
0.0010	10.00	0.33	0.33	0.17	99.52		
<0.0010		0.95	0.95	0.48	100.00		
TOTAL MUD			4.14	2.10	100.00		

TABLE OF SEDIMENT STATISTICS

STATISTIC	MOMENT	INMAN	FOLK-WARD
Mean	2.886	2.629	2.616
Deviation	0.743	0.436	0.440
Skewness	4.107	0.094	0.007
Kurtosis	0.000	0.686	1.030
Median		2.589	
Skewness2		-0.134	
Percent Gravel	0.03		
Percent Sand	97.87		
Percent Mud	2.10		

KING POINT COASTAL ZONE
SEDIMENT TRANSPORT STUDY, 1985
SAMPLE ID 71



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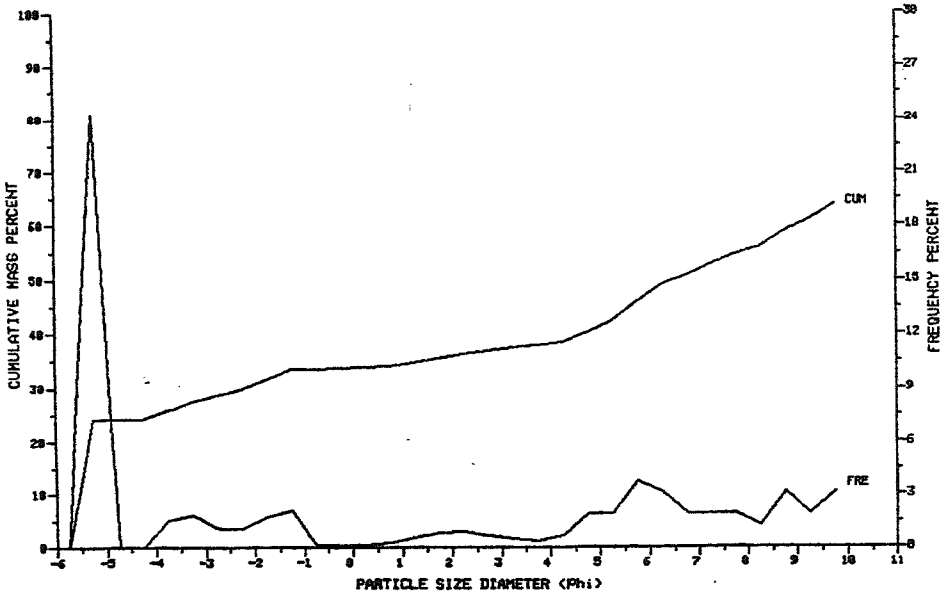

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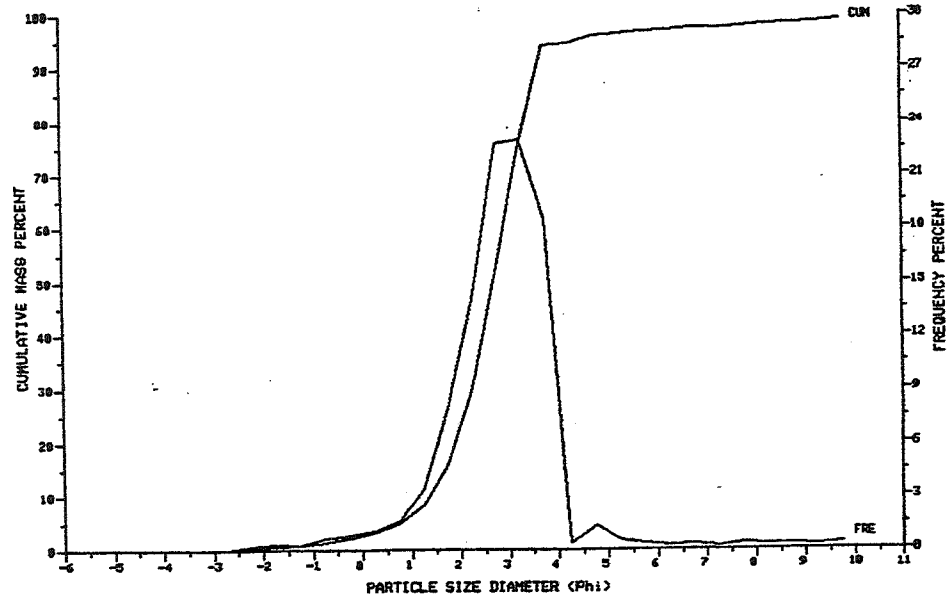

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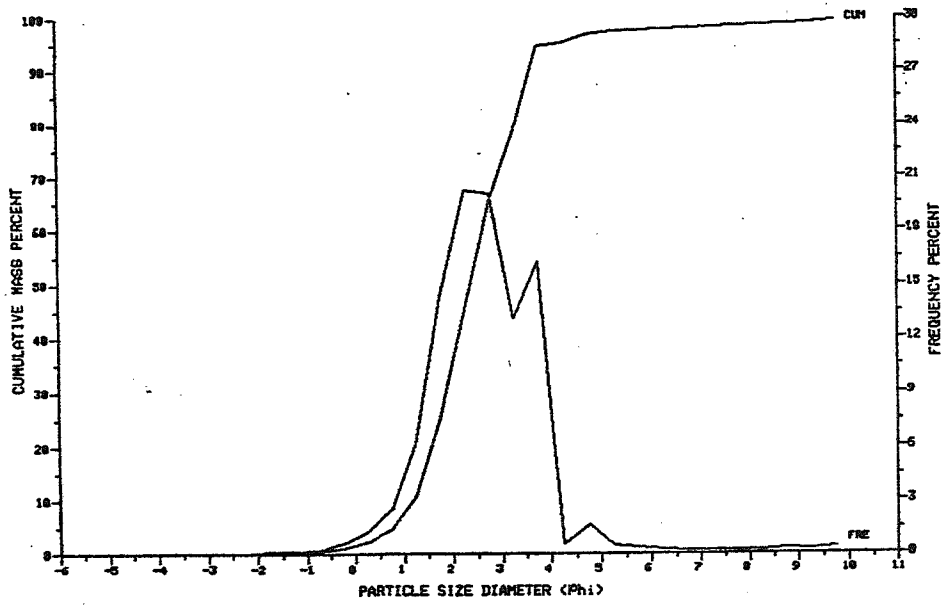

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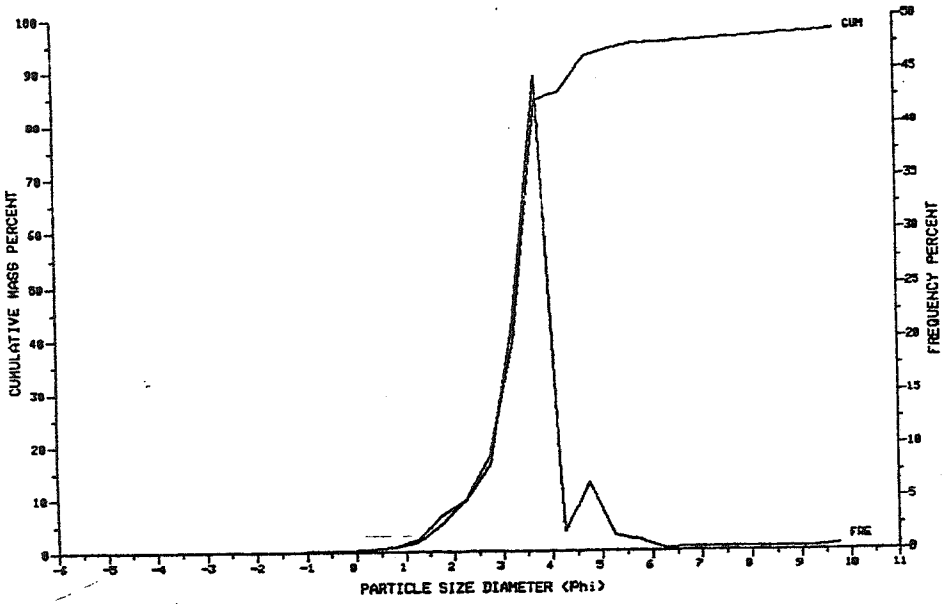

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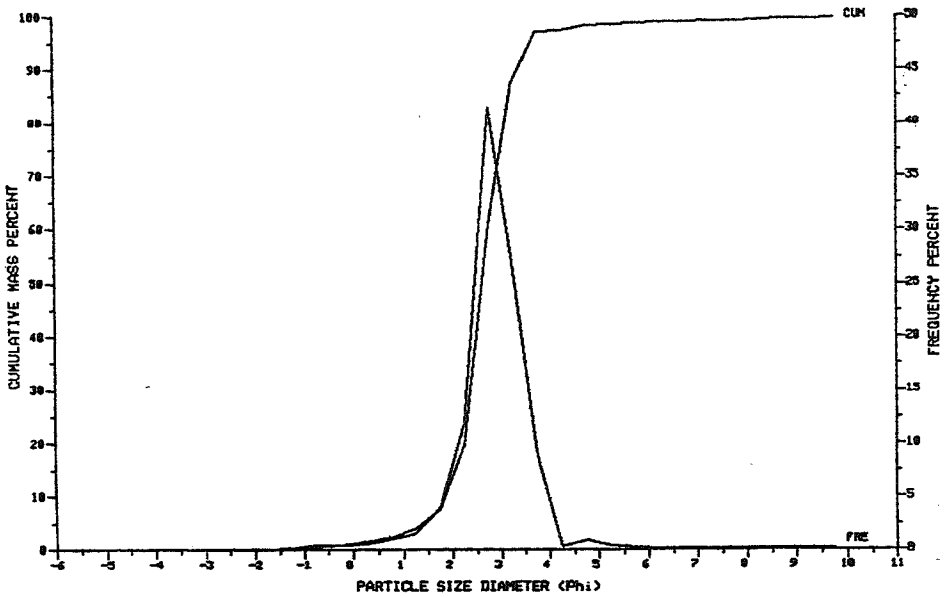

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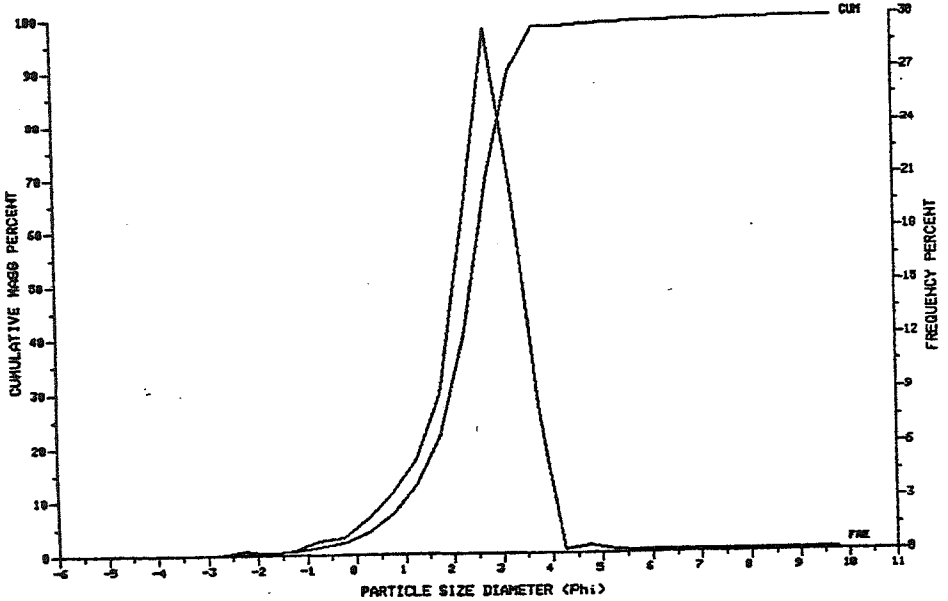

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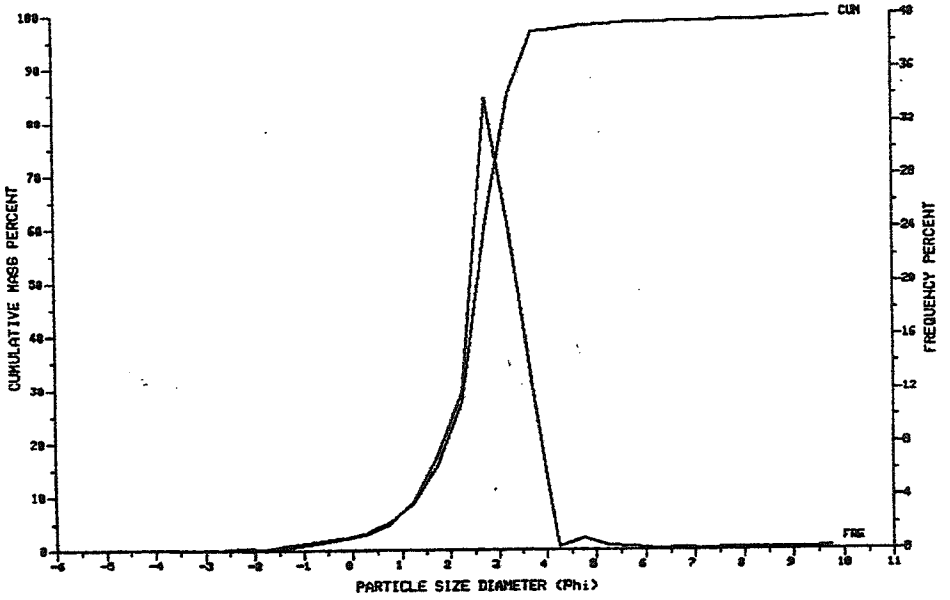

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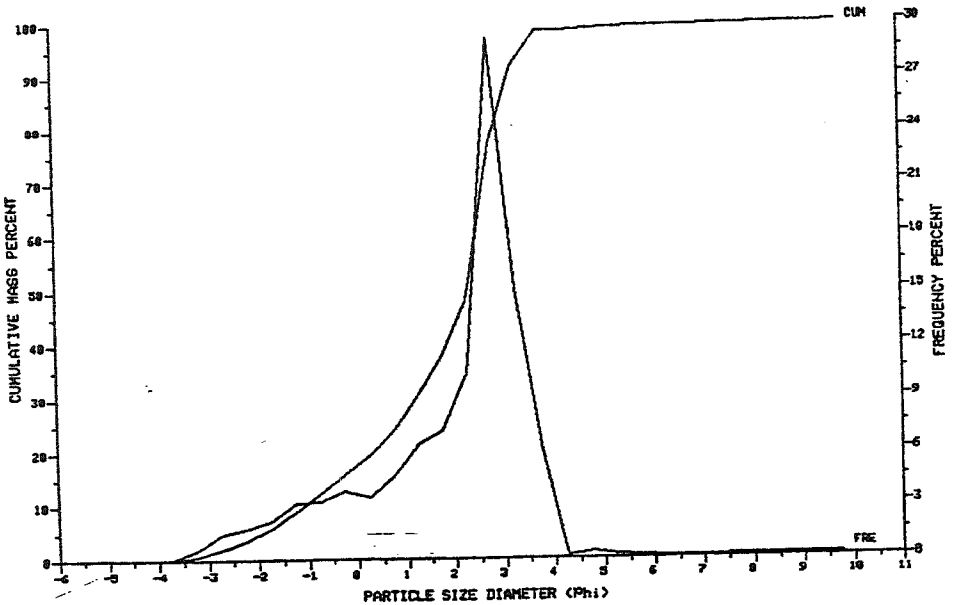

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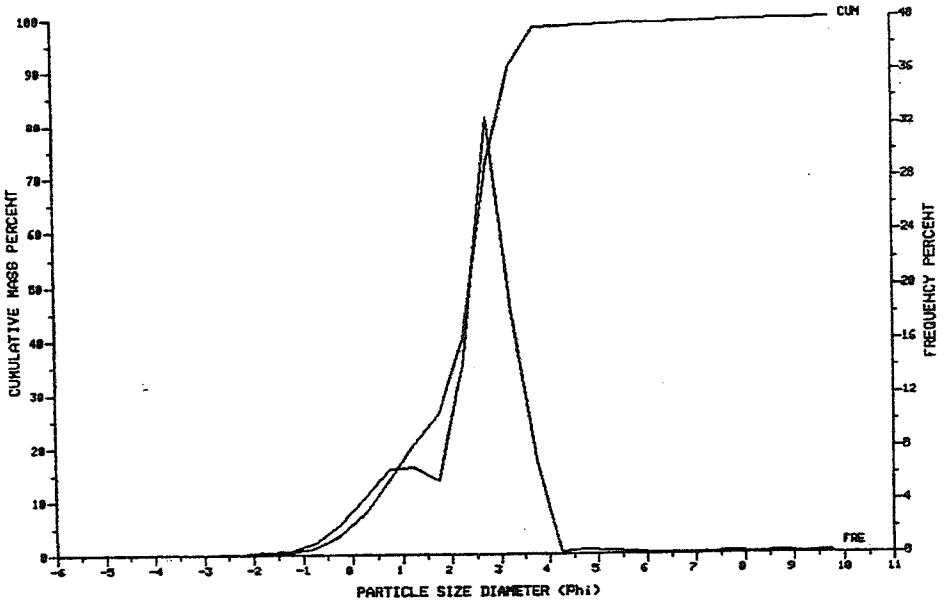

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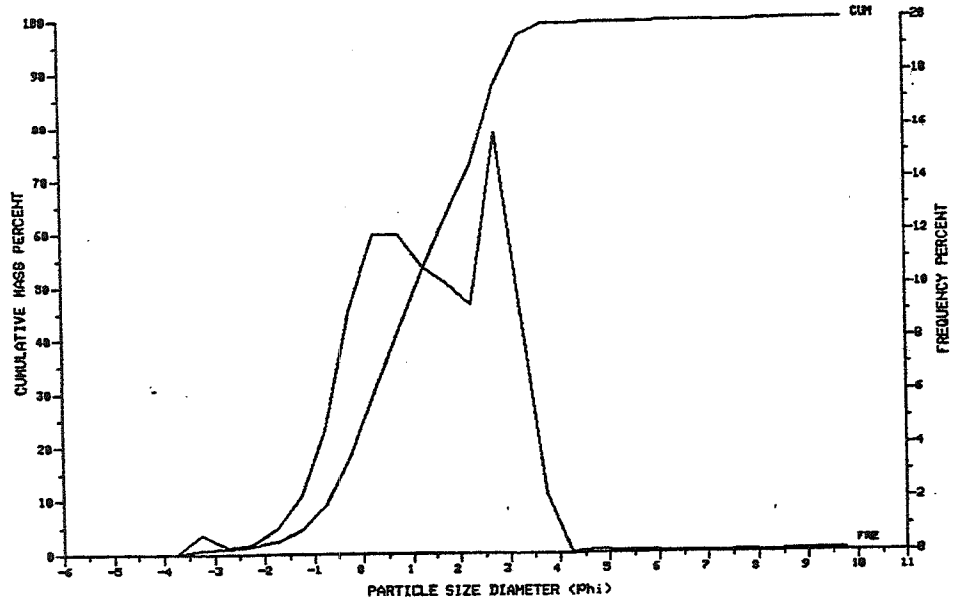

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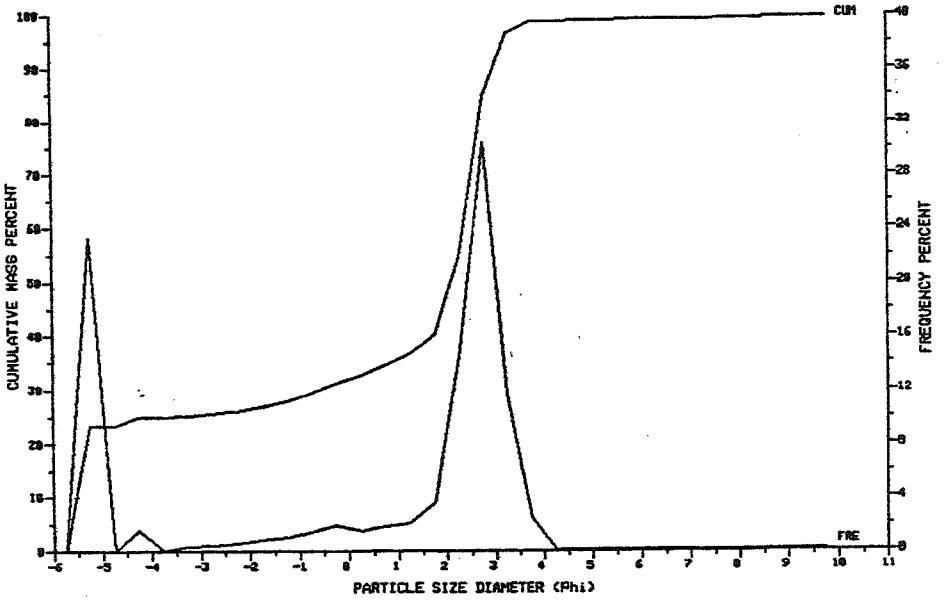

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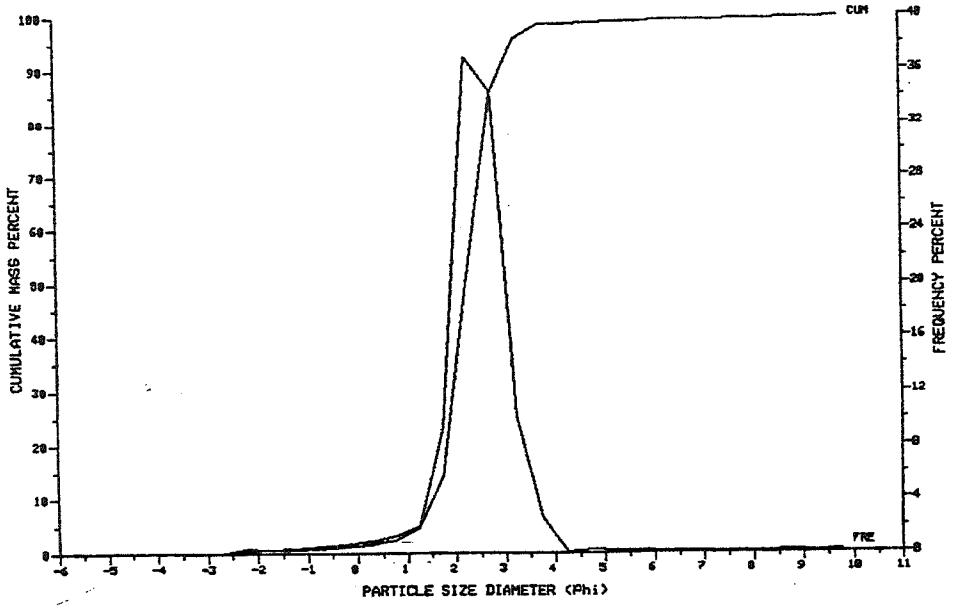

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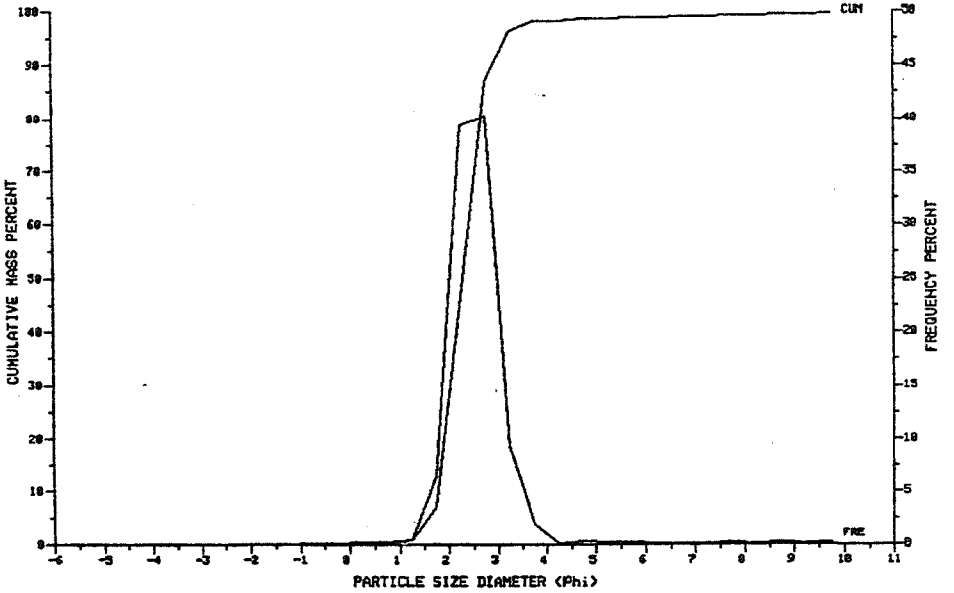

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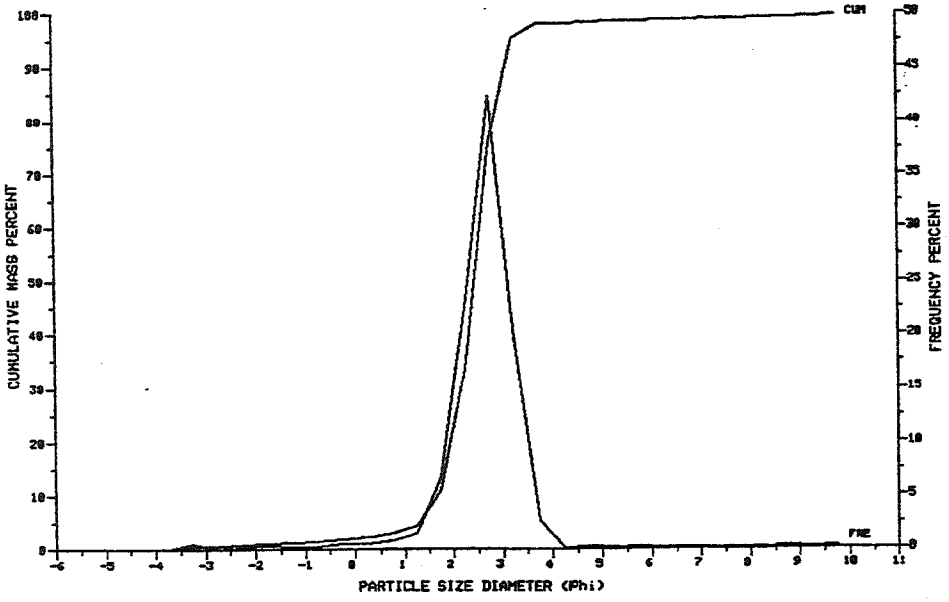

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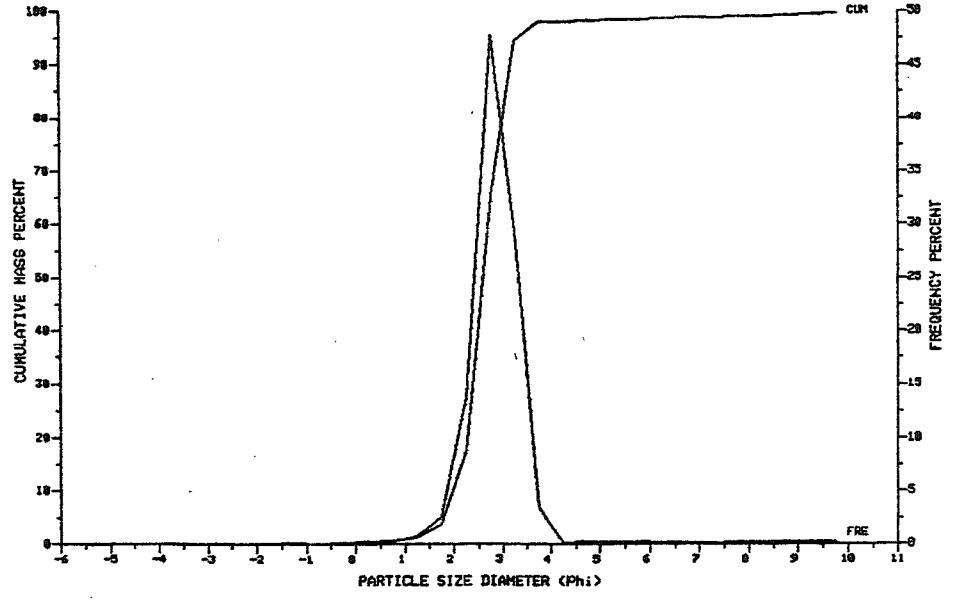

COASTAL SEDIMENT TRANSPORT TRENDS
BY
GEOSEA CONSULTING

APPENDIX 3

SEDIMENT TRANSPORT TRENDS AT KING POINT, BEAUFORT SEA

PREPARED BY

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FOR

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SIDNEY B.C.

TABLE OF CONTENTS

INTRODUCTION

The purpose of this report is to determine if the directions of sediment transport can be derived from a suite of sediment samples taken at King Point using the method of McLaren and Bowles (1985). Complete grain-size distributions were analysed from 68 samples; they were collected on 17 shore normal transects, each transect containing four samples representative of the berm, beach face, 20 m offshore and 50 m offshore. The spacing between transects varied from 75 to 200 m (Fig. 1).

Some general remarks concerning the sample distributions are as follows:

(1) The derivation of transport trends requires sediment distributions that are reasonably well "closed" so that the first and last class intervals contain less than 5% of the total distribution. For this reason, samples containing >90% gravel and > 5% mud were excluded from the trend analyses (Fig. 1).

(2) Closed distributions for the remaining samples were well represented between -4.0 phi and 4.5 phi. Although many of the beach samples contained sediments greater than -4.0 phi, the large weights of these clasts relative to the total sample weight preclude a statistically valid representation of their presence in the sediments.

(3) For the purposes of the sediment trend analyses, the number of class intervals were reduced from 1/4 phi intervals in the sand fraction to 1/2 phi intervals.

METHODS

The following is a brief method of determining sediment trends as described in McLaren and Bowles (1985). Given the grain-size distributions of two samples, D1 and D2 that have been collected sequentially in the net sediment transport diection, then D2=(D1)(X) where X is a function relating the two grain-size distributions. X is, in reality, a function describing the relative probability of any particular size of material being eroded, transported and deposited from D1 to D2. Depending on the shape of X, which empirical observations from flume experiments have demonstrated, D2 (the "down-current" sample) may become coarser, better sorted, and more positively skewed or finer, better sorted and more negatively skewed than D2 (the "up-current" sample). In the former case (ie. D2 becomes coarser, better sorted and more positively skewed than D2), processes responsible for transport are described as "high-energy" with respect to the grain sizes present. Conversely, sediments becoming finer, better sorted and more negatively skewed indicate "low-energy" relative to the

grain-size distributions present. (For this reason, the coarser a sediment is, the less likely that a "high-energy" process can occur to make it even coarser in the direction of transport; similarily, fine sediments may easily become coarser in the direction of transport).

Given 2 samples, D1 and D2, we can infer the direction of sediment transport (either from D1 to D2 or from D2 to D1) if the mean grain size, sorting and skewness show a relative change in either of the two trends described above (ie. coarser, better sorted and more positiveiy skewed or finer, better sorted and more negatively skewed). When one of these two trends is observed, the function X can be calculated from the grain-size distributions of D1 and D2. X=D2/D1 if transport is in the direction defined by D1 to D2, or x=D1/D2 if transport is in the direction defined by D2 to D1.

In reality, changes following the above two trends are almost never observed in a sequence of samples, even when the transport direction is clearly known. This is due to complicating factors such as variation in the grain-size distributions of the source sediments, local and temporal variability in the X function and a variety of sediment sampling difficulties (ie. sample doesn't adequately describe the deposit, taken too deeply, not deep enough etc.). As a result a statistical approach must be used whereby either of the two trends are examined for all possible pairs contained in a sample sequence.

Given a sequence of "n" samples, there are $n^2 - n/2$ directionally-oriented pairs that may exhibit a transport trend in one direction, and an equal number of pairs in the opposite direction. When any two samples are compared with respect to their mean grain-size, sorting and skewness, 8 possible trends exist: compared to D1, D2 may be (i) finer (F), better sorted (B), and more negatively skewed (-), (ii) coarser (C), more poorly sorted (P), and more positively skewed (+), (iii) C,B,-, (iv) F,P,-, (v) C,P,-, (vi) F,B,+, (vii) C,B,+, or (viii) F,P,+. Of these trends, only two are of interest, namely, F,B,-, and C,B, +, for which there is a 1/8 probability of either occurring at random (p=0.125). To determine if the number of occurrences among all possible pairs of samples contain one of these two trends in a quantity that exceeds the random probability of 0.125 the following two hypotheses are tested:

H(0): $p < 0.125$ and there is no preferred transport direction; and

H(1): $p > 0.125$ and a trend is occurring that exceeds randomness.

Using the Z-score statistic in a one-tailed test, H(1) is accepted if:

$$Z = x-Np / \sqrt{Npq} > 2.33 \text{ (0.01 level of significance)}$$

where:

x= observed number of pairs representing one of the two trends in one of the two opposing directions.
N= total number of possible unidirectional pairs ($N = n^2-n/2$)
p= 0.125
q= 1.0 - p = 0.875

The Z-statistic is considered valid for N >30. Thus, a suite of 9 samples is adequate to determine a transport direction.

For this project, we wish to determine if a transport direction can be inferred from four suites of samples: namely, berm, beach face, samples from 20m offshore and samples from 50m offshore. The complete grain-size distributions are known and a computer program allows the rapid determination of the number of possible pairs in a sequence, the number of observed trends indicative of a transport direction and the Z-score. The direction of sediment transport is inferred when the Z-score is significant at the 0.01 level.

Given that the direction has been correctly inferred, we can determine the average X-distribution for the sample suite by averaging the grain-size distributions of all samples that constitute an "up-current" half of the pair (ie. D1). Similarily, an average of all samples that constitute the "down-current" half of the pair represents a D2 distribution. D2/D1 equals X which is then normalized.

For any sequence of samples, therefore, the sediment transport direction is determined statistically by examining all pairs of samples. Once discovered, X can be calculated, thus defining the relative probability of any particular size of grain being eroded, transported and deposited in the down-current direction. It is emphasized that both the direction of sediment transport and the probability of each size being moved is an integration of <u>all processes</u> over the period of time represented by the samples themselves.

For each of the four sequences of samples (locations shown in Fig.1), the direction of sediment transport was determined on the basis of a significant Z- score (ie. Z > 2.33 ; Tables 1, 3 and 5). No sediment trends were present for the berm deposits, whereas the samples from the beach face, 20 m offshore and 50 m offshore showed significant directions (summarized in Fig. 5).

The following samples were used to derive the D1 and D2 distributions:

(i) Beach face:	D1:	28,30,32,36,38
	D2:	14,22,26,28,32
(ii) 20 m offshore:	D1:	50,51,52,53,55,56,57,59,61,62,63
	D2:	52,55,58,59,63,65,66,67
(iii) 50 m offshore:	D1:	77,79,80,81,84,86
	D2:	78,84,85,86,87,88

SEDIMENT TRENDS

(1) Berm Samples:

Berm deposits are formed in one of the few environments that enable sediment in transport to be completely deposited. As a result, a sequence of berm samples is not expected to show a transport direction. Examination of berm deposits on Coburg Spit, Strait of Juan de Fuca, Myrtle Beach, North Carolina and numerous other sequences all consistently showed no preferred direction of transport. The samples from King Point were no exception and no transport trends could be derived.

(2) Beach Face Samples:

The trends run on the beach face samples show a significant southeast fining transport direction (Table 1). The distributions of the average "upcurrent" and average "downcurrent" samples (Table 2; Fig. 2) show that the mean grain-size changes only slightly in the granule size range. The mode, however alters considerably in the transport direction, changing from -2.50 ϕ to -1.0 ϕ (Fig. 2).

The resultant X distribution defines the probability of each grain size being eroded, transported and deposited. The mode of the X distribution indicates the size most easily transported on the beach face which, in this case is -0.5 ϕ (Fig. 2). The mean of X, or the average size undergoing transport, is somewhat finer at 0.22 ϕ.

(3) 20 m Offshore Samples:

At a distance of 20 m offshore, changes in grain-size distributions show good evidence for sediment transport in the NW direction parallel to the shore (Table 3). There is a very slight coarsening trend and the preferred size of material being transported, as given by the mode of the X distribution, is 2.0 ϕ (Table 4, Fig. 3).

(4) 50 m Offshore Samples:

Like the samples at 20 m offshore, this sequence also shows a strong transport direction to the northwest (Table 5). There is a slight fining trend and the sizes between 2.5 ϕ and 3.5 ϕ are being moved with more or less equal probability (Table 6 and Fig. 4).

DISCUSSION

The sequence of sediments shown in Fig. 1 for the beach face, 20 m offshore and 50 m offshore indicate that sediment transport is occurring parallel to the shoreline (Fig. 5). The beach face samples show transport in the southeast direction. This is consistent with the expected direction determined by the morphology and known pattern of growth of this beach system.

The reverse direction so close to shore is strongly in evidence by the trends. The shallower samples at 20 m offshore suggest relatively strong currents as evidenced by the slight coarsening trend. At 50 m offshore, sediments are finer and the currents are weaker, producing a slight fining trend. This suggests that these currents may be in effect under the shore-fast ice during winter. Such currents are known to strengthen as the depth between the ice and bottom decreases.

It is noted that mud appears to be accumulating 50 m offshore on transects 000 to -375, coinciding with a change in coastal orientation from SE to E (Fig. 5). Longshore transport on the beach is not greatly in effect on the east striking beach (most of the trends end at sample 22, with few making it to sample 14; sample 10 was absent from all sample pairs making up a trend). This is the result of waves becoming dominantly reflective at this point and deposition of fines in the nearshore may be the result. Until the fines are analysed and incorporated into the complete grain-size distributions. It is unknown if they are taking part in the northwest transport regime.

There are several points of interest concerning the derived X distributions (Figs. 2, 3, and 4). First, the mode which represents the size of material which has the maximum probability of being moved is -0.5 phi for the beach face, 2.0 phi 20 m offshore and 3.0 phi 50 m offshore. This steady decrease in size demonstrates a decreasing energy level at each of the three depositional environments. Also, the skewness of the X distribution becomes increasingly negative with a decreasing energy regime suggesting that the shape of X provides at least a qualitative assessment of the energy regime.

Although at this stage it is not possible to determine rates of sediment transport by this approach, there are several avenues open for further research.

(1) Use the mode of D1 to determine the minimum shear stress required to initiate transport.

(2) Use the mode of D2 to determine the maximum shear stress that would allow this size to be deposited. (Thus we will have "bracketing values" for shear stress).

(3) Use the mode of X as the size required in whichever sediment transport equation is being used for each of the three environments.

(4) Correlate the shapes of X with the transport regime as derived from process measurements.

REFERENCES

McLaren, P., and Bowles, D., 1985. The effects of sediment transport on grain-size distributions; Journal of Sedimentary Petrology, V.55, 457-470.

LIST OF FIGURES

LIST OF TABLES

FIGURE 1

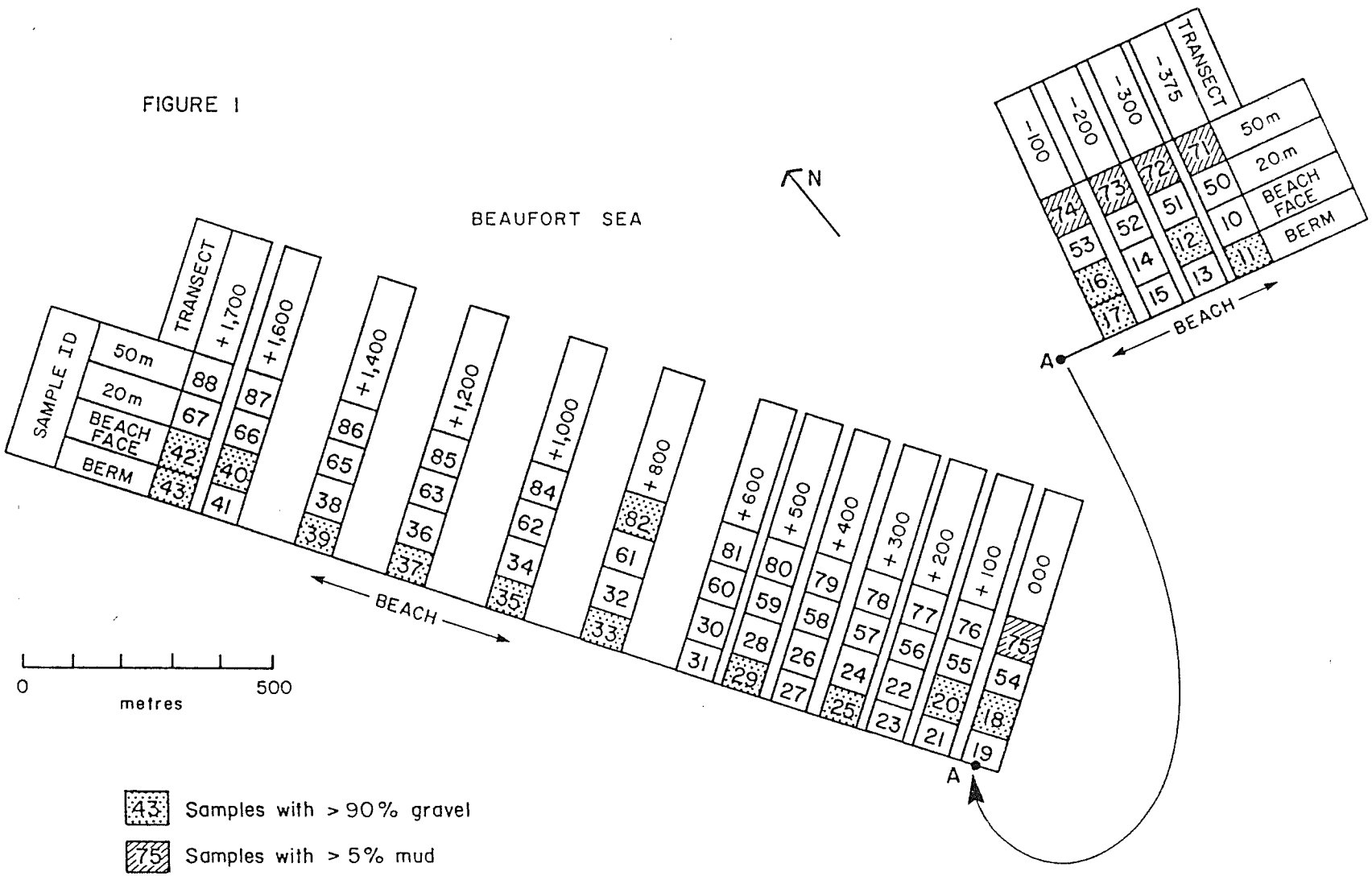

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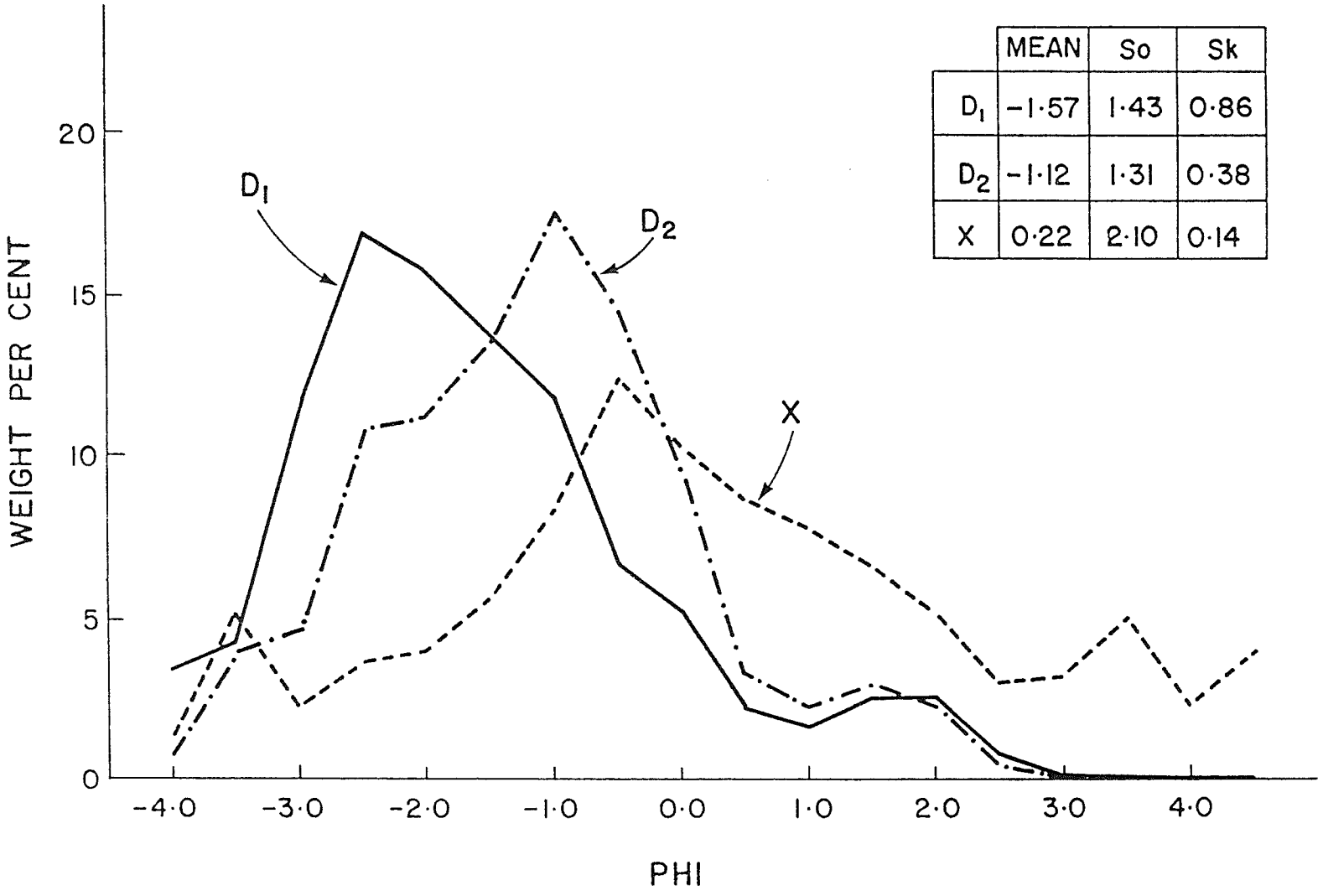
FIGURE 2

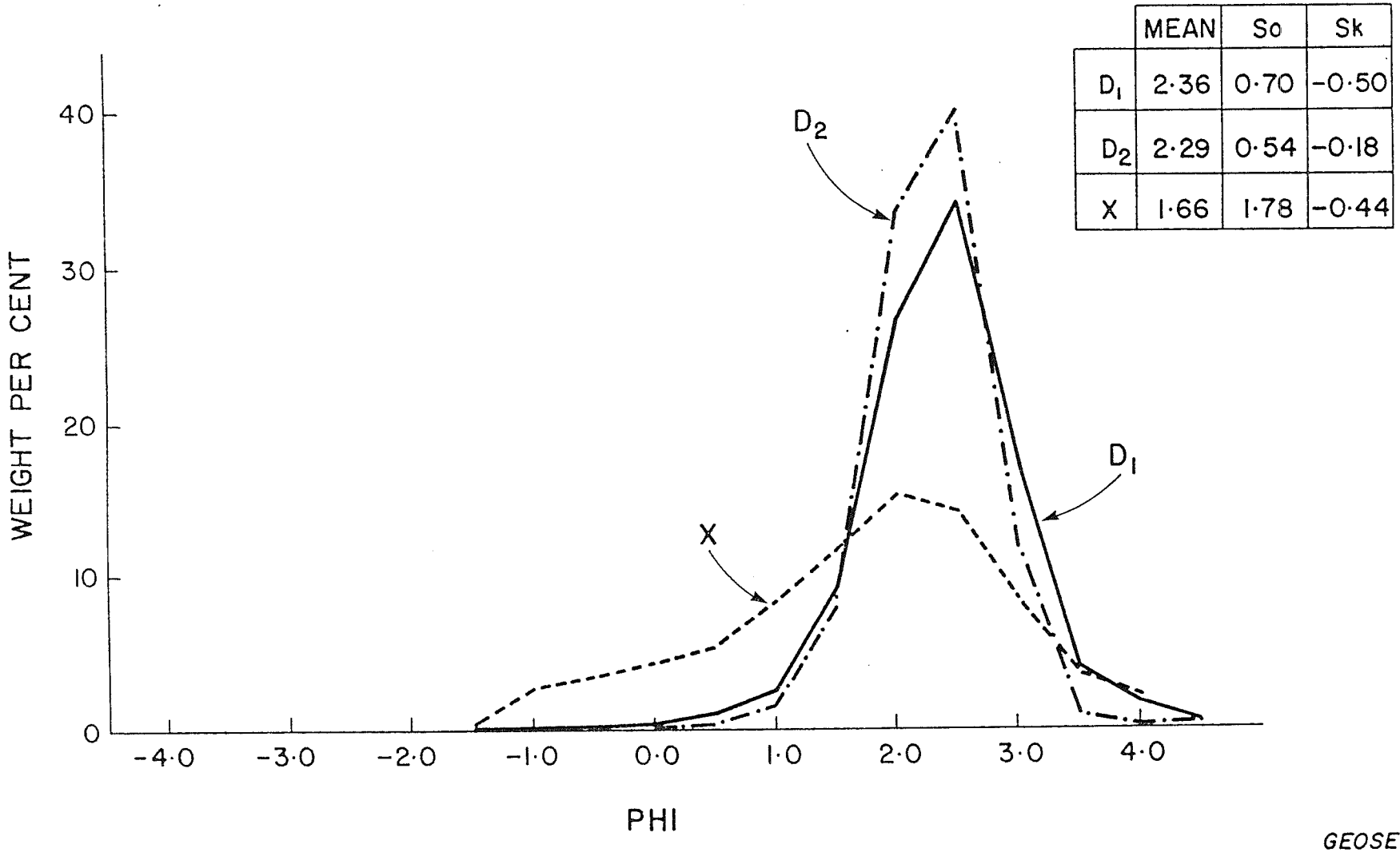
BEACH FACE SAMPLES



	MEAN	So	Sk
D_1	-1·57	1·43	0·86
D_2	-1·12	1·31	0·38
X	0·22	2·10	0·14

FIGURE 3

20 METRE SAMPLES



	MEAN	So	Sk
D_1	2·36	0·70	-0·50
D_2	2·29	0·54	-0·18
X	1·66	1·78	-0·44

FIGURE 4

50 METRE SAMPLES

	MEAN	So	Sk
D_1	2·38	1·31	−1·54
D_2	2·82	0·90	−2·94
X	2·02	2·23	−0·97

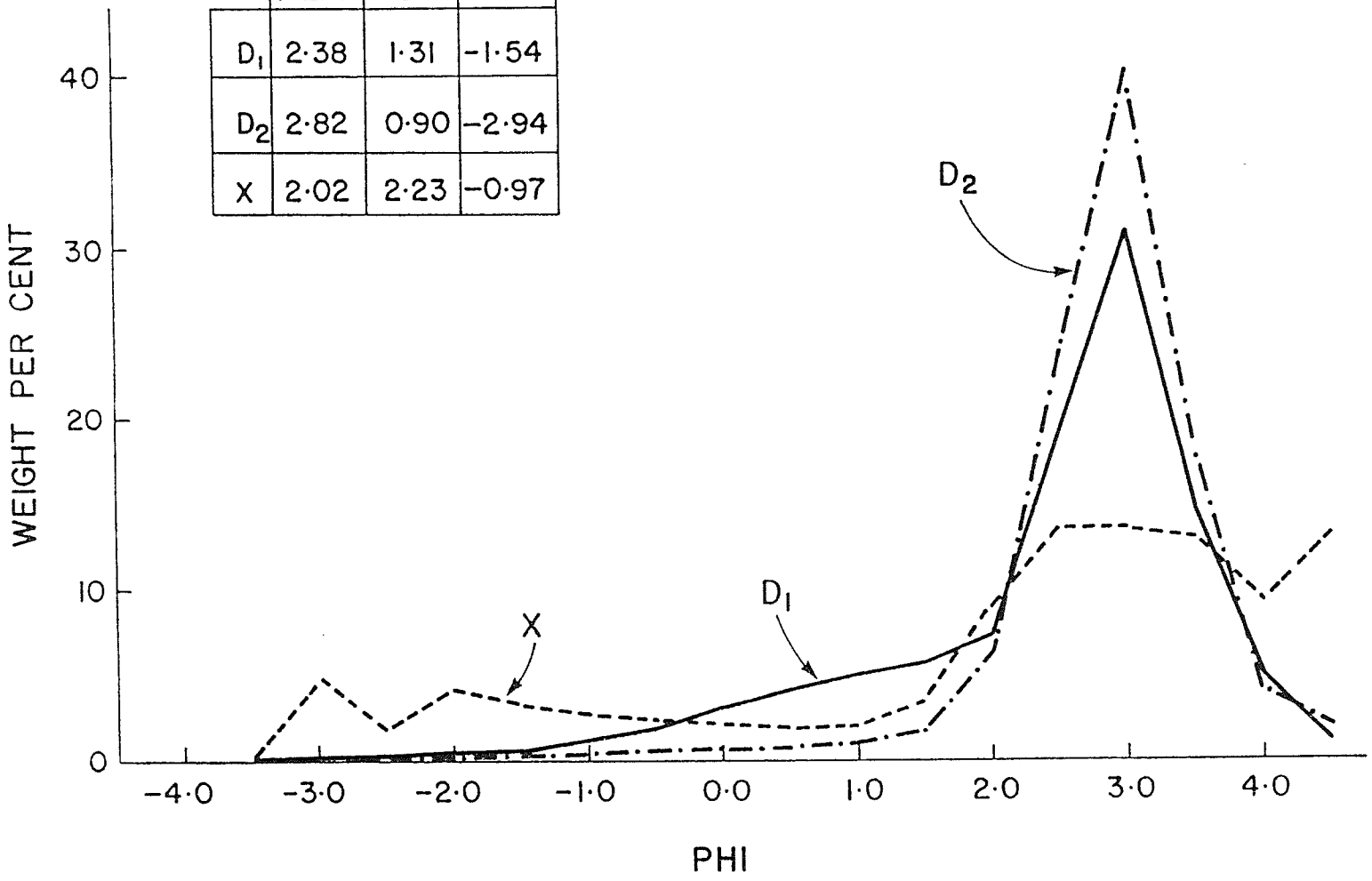


FIGURE 5

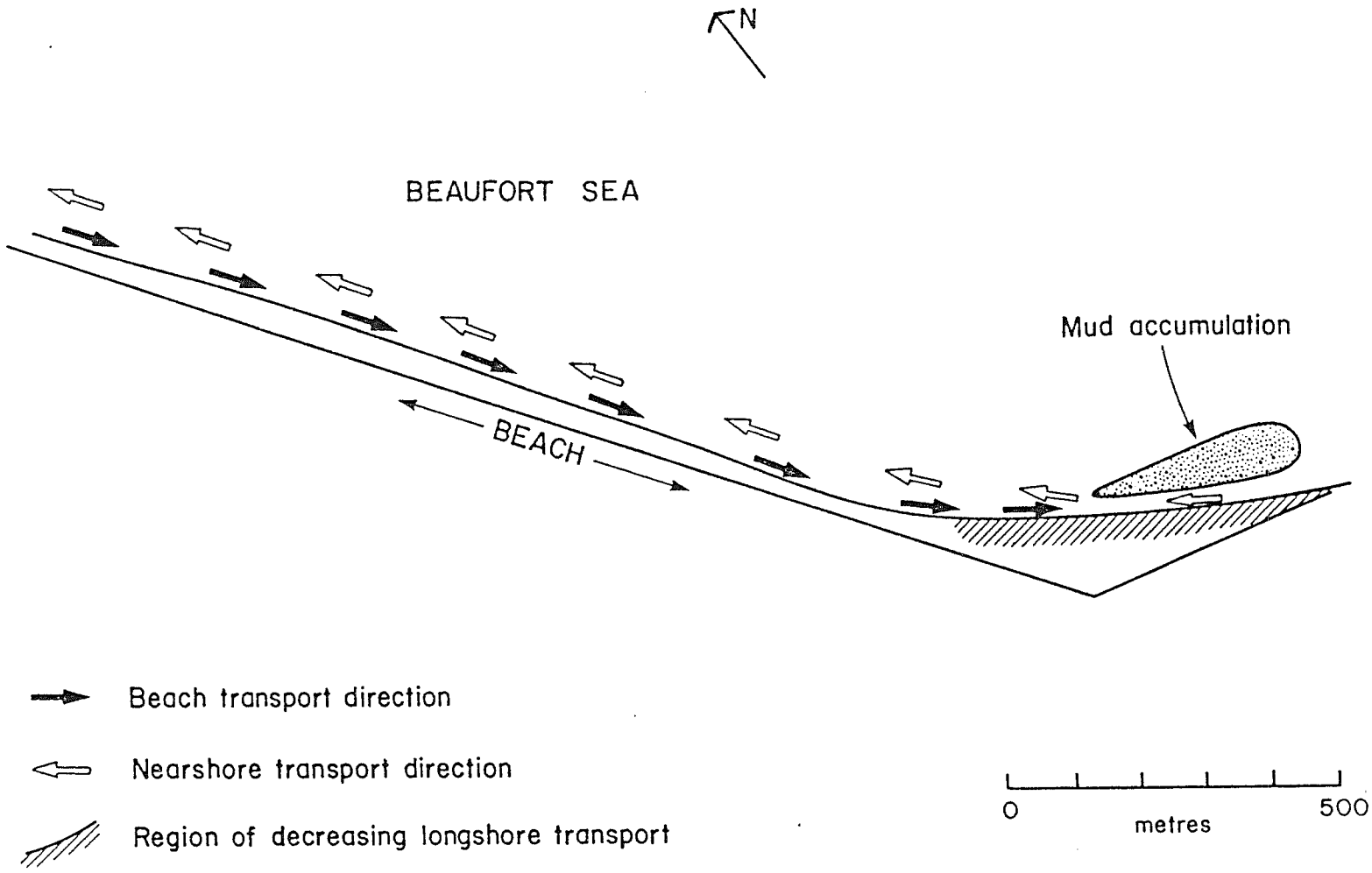

N
BEAUFORT SEA
Mud accumulation
BEACH
Beach transport direction
Nearshore transport direction
Region of decreasing longshore transport
0
500
metres

TABLE 1

Summary Statistics for Beach Face Transport Trends

Trend	Direction	No. of possible sample pairs	No. of trends	Z-score
Coarser Better Sorted More + vely Skewed	NW	45	3	-1.18
	SE	45	6	0.17
Finer Better Sorted More - vely Skewed	NW	45	9	1.52
	SE	45	16	4.68*

* 99% significant

TABLE 2

Average grain-size distributions for all upcurrent (D_1) and downcurrent (D_2) samples and the resultant X distribution for the beach face sediments.

Phi	D_1	D_2	X	
-4.0	3.42	0.86	1.43	
-3.5	4.37	4.09	5.36	
-3.0	11.42	4.81	2.40	
-2.5	16.91	10.96	3.71	
-2.0	15.68	11.30	4.11	
-1.5	13.71	13.74	5.70	
-1.0	11.89	17.69	8.50	
-0.5	6.78	14.76	12.44	
0.0	5.30	9.61	10.33	
0.5	2.32	3.54	8.67	
1.0	1.76	2.43	7.87	
1.5	2.64	3.10	6.67	
2.0	2.61	2.42	5.31	
2.5	0.85	0.47	3.19	
3.0	0.19	0.11	3.31	
3.5	0.04	0.03	4.51	
4.0	0.02	0.01	2.40	
4.5	0.07	0.05	4.11	

TABLE 3

Summary Statistics for Transport Trends 20 m Offshore

Trend	Direction	No. of possible sample pairs	No. of trends	Z-score
Coarser Better Sorted More + vely Skewed	NW	136	37	5.19*
	SE	136	9	- 2.07
Finer Better Sorted More - vely Skewed	NW	136	18	0.26
	SE	136	6	- 2.85

* 99% significant

TABLE 4

Average grain-size distributions for all upcurrent (D_1) and downcurrent (D_2) samples and the resultant X distribution for the sediments 20 m offshore.

Phi	D_1	D_2	X	
-4.0				
-3.5				
-3.0				
-2.5				
-2.0	0.02	0.02		
-1.5	0.06	0.00	0.61	
-1.0	0.12	0.03	2.93	
-0.5	0.27	0.08	3.79	
0.0	0.51	0.18	4.40	
0.5	1.06	0.48	5.62	
1.0	2.72	1.72	7.70	
1.5	9.32	9.03	11.86	
2.0	26.64	33.49	15.40	
2.5	34.31	40.16	14.30	
3.0	18.09	12.48	8.44	
3.5	4.31	1.33	3.79	
4.0	1.86	0.38	2.44	
4.5	0.71	0.59		

TABLE 5

Summary statistics for transport trends 50 m offshore

Trend	Direction	No. of possible sample pairs	No. of trends	Z-score
Coarser Better Sorted More + vely Skewed	NW	45	2	-1.63
	SE	45	3	-1.18
Finer Better Sorted More - vely Skewed	NW	45	12	2.87*
	SE	45	7	0.62

* 99% significant

TABLE 6

Average grain-size distributions for all upcurrent (D_1) and downcurrent (D_2) samples and the resultant X distribution for the sediments 50 m offshore.

Phi	D_1	D_2	X	
-4.0	0.27	0.27		
-3.5	0.00	0.00		
-3.0	0.27	0.14	5.17	
-2.5	0.35	0.07	1.96	
-2.0	0.48	0.20	4.24	
-1.5	0.68	0.23	3.41	
-1.0	1.17	0.31	2.69	
-0.5	1.89	0.45	2.48	
0.0	3.11	0.66	2.17	
0.5	4.03	0.68	1.76	
1.0	4.93	0.98	2.07	
1.5	5.44	1.75	3.31	
2.0	7.20	6.18	8.88	
2.5	18.40	23.67	13.33	
3.0	30.75	39.90	13.43	
3.5	14.49	18.15	12.91	
4.0	4.91	4.33	9.09	
4.5	1.60	2.03		

AANDERAA WEATHER STATION DATA

APPENDIX 4

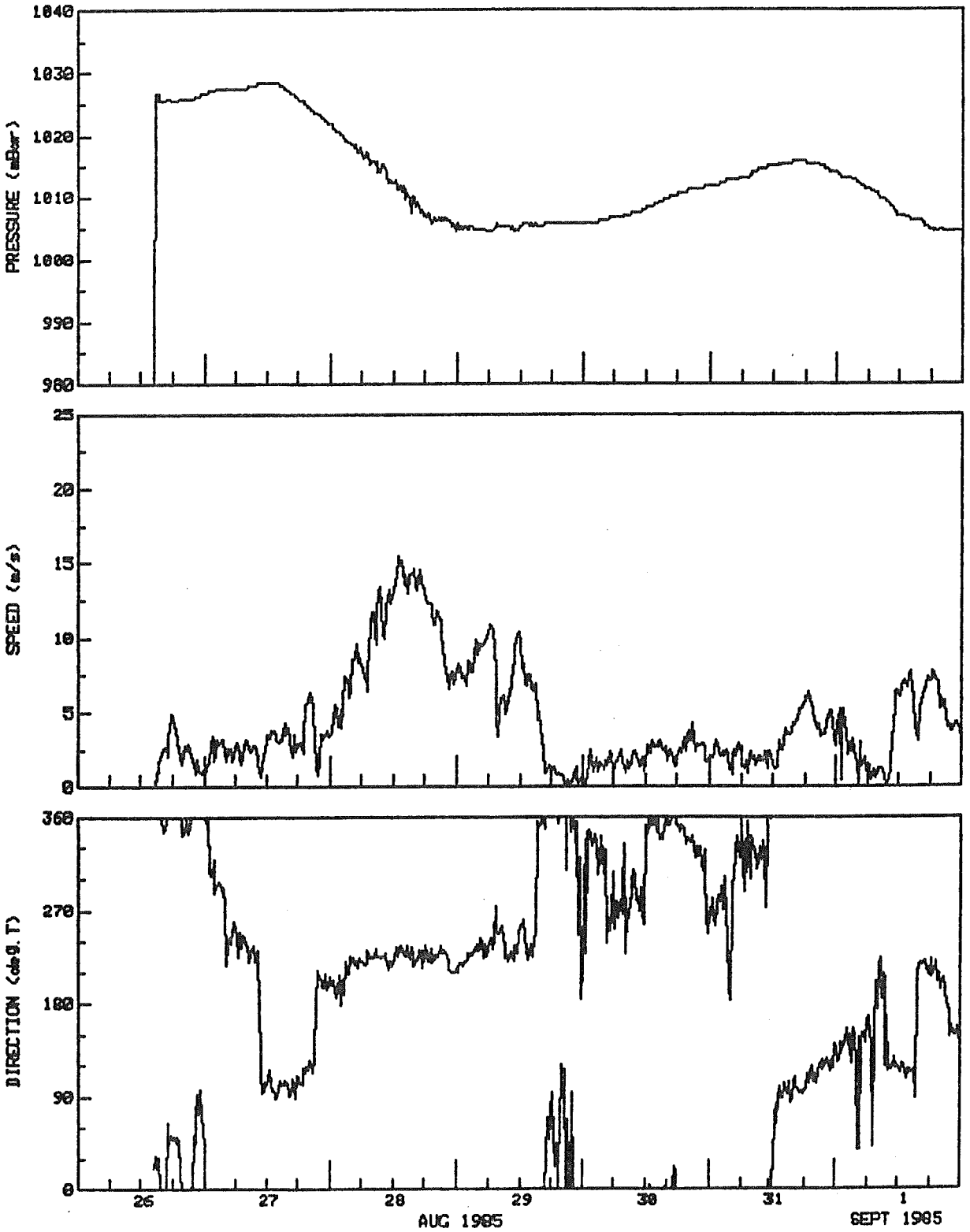
TIME SERIES OF AIR PRESSURE, WIND SPEED AND DIRECTION

KING POINT
69 6' N 137 58' W

TAPE 399/1

ELEV(m) 12
AANDERAA MET

TYPE DESPIKED
DT(min) 15



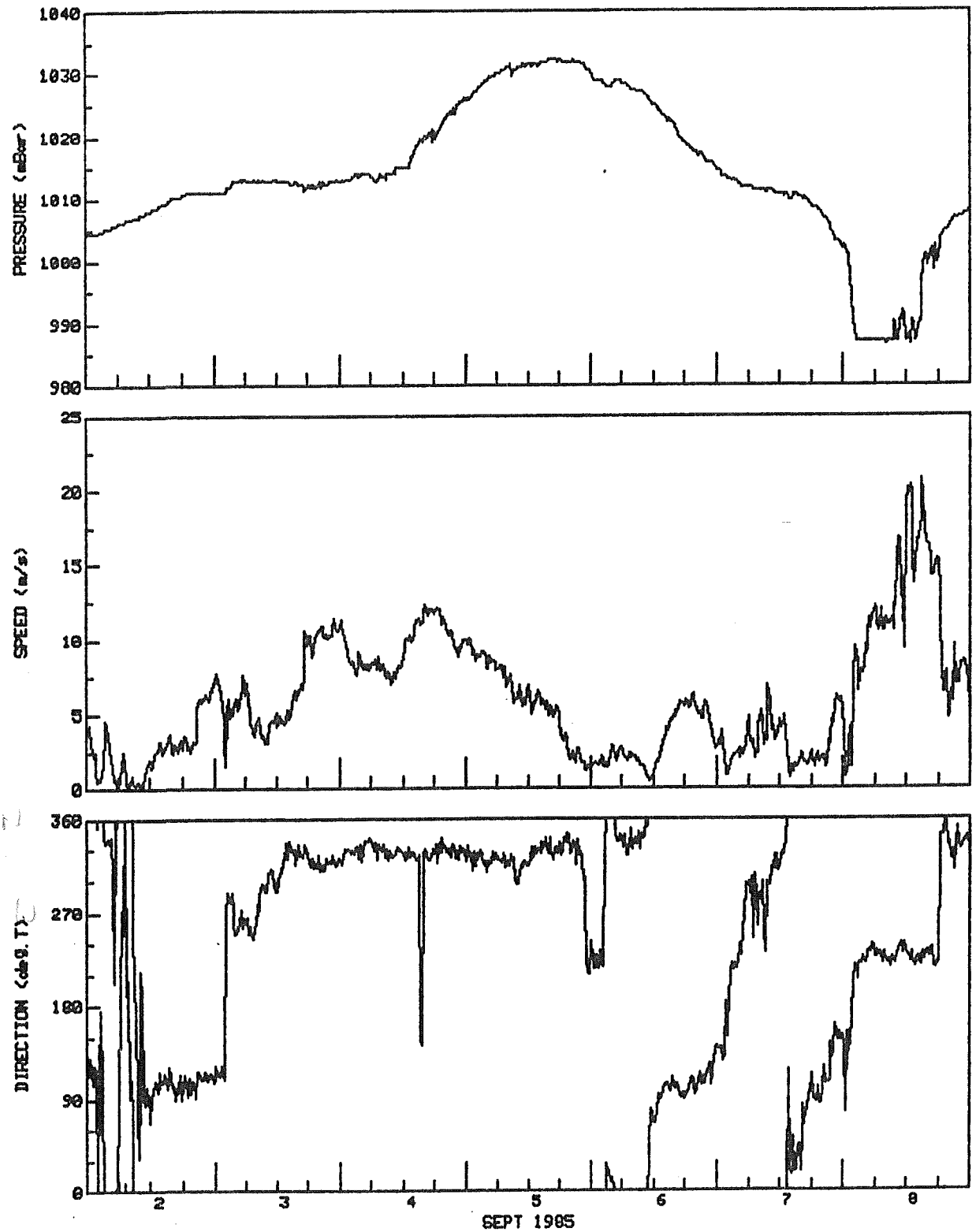
TIME SERIES OF AIR PRESSURE, WIND SPEED AND DIRECTION

KING POINT
69 6' N 137 58' W

TAPE 399/1

ELEV(m) 12
AANDERAA MET

TYPE DESPIKED
DT(min) 15



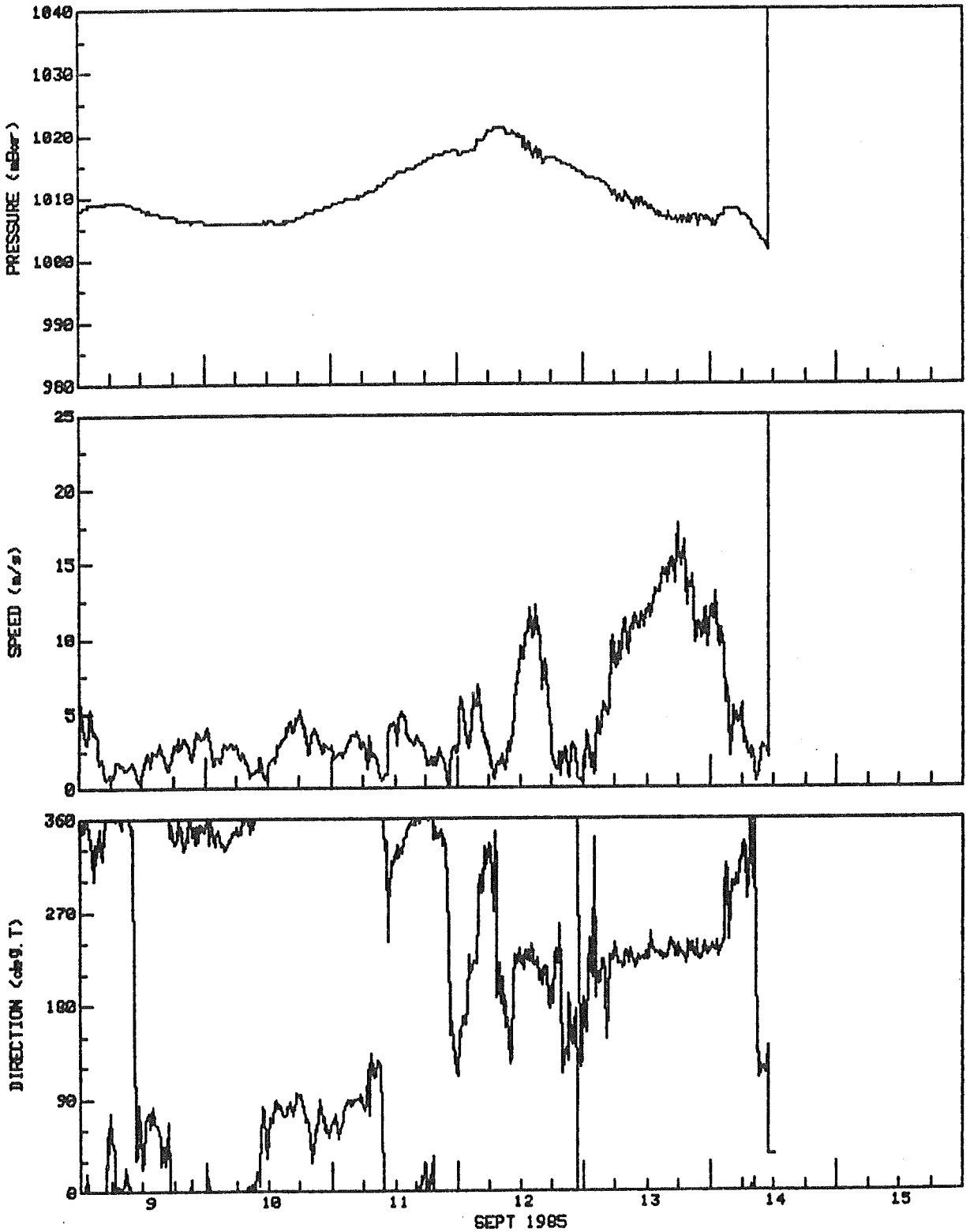
TIME SERIES OF AIR PRESSURE, WIND SPEED AND DIRECTION

KING POINT
69 6' N 137 58' W

TAPE 399/1

ELEV(m) 12
AANDERAA MET

TYPE DESPIKED
DT(min) 15

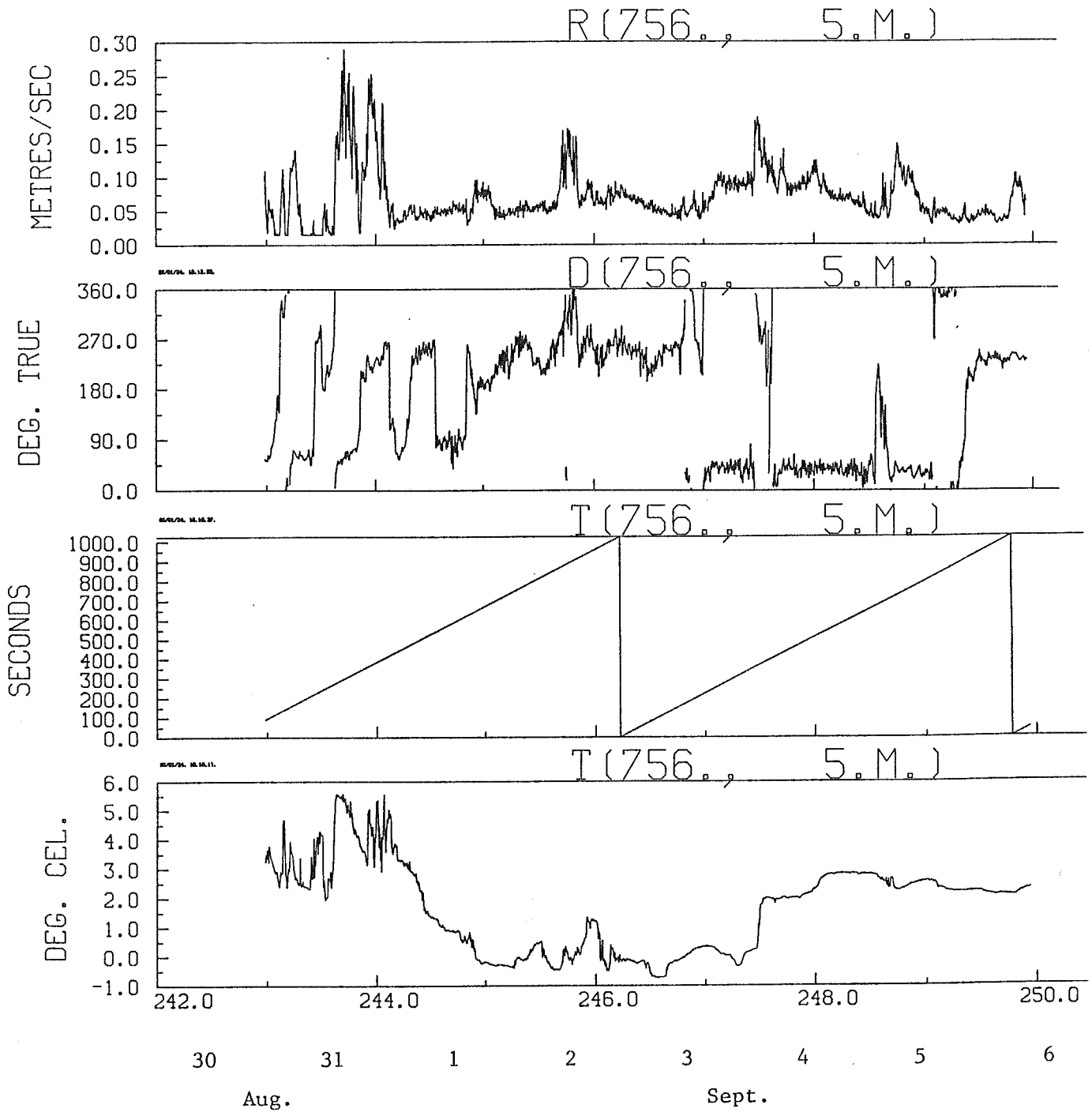


AANDERAA CURRENT METER DATA

APPENDIX 5

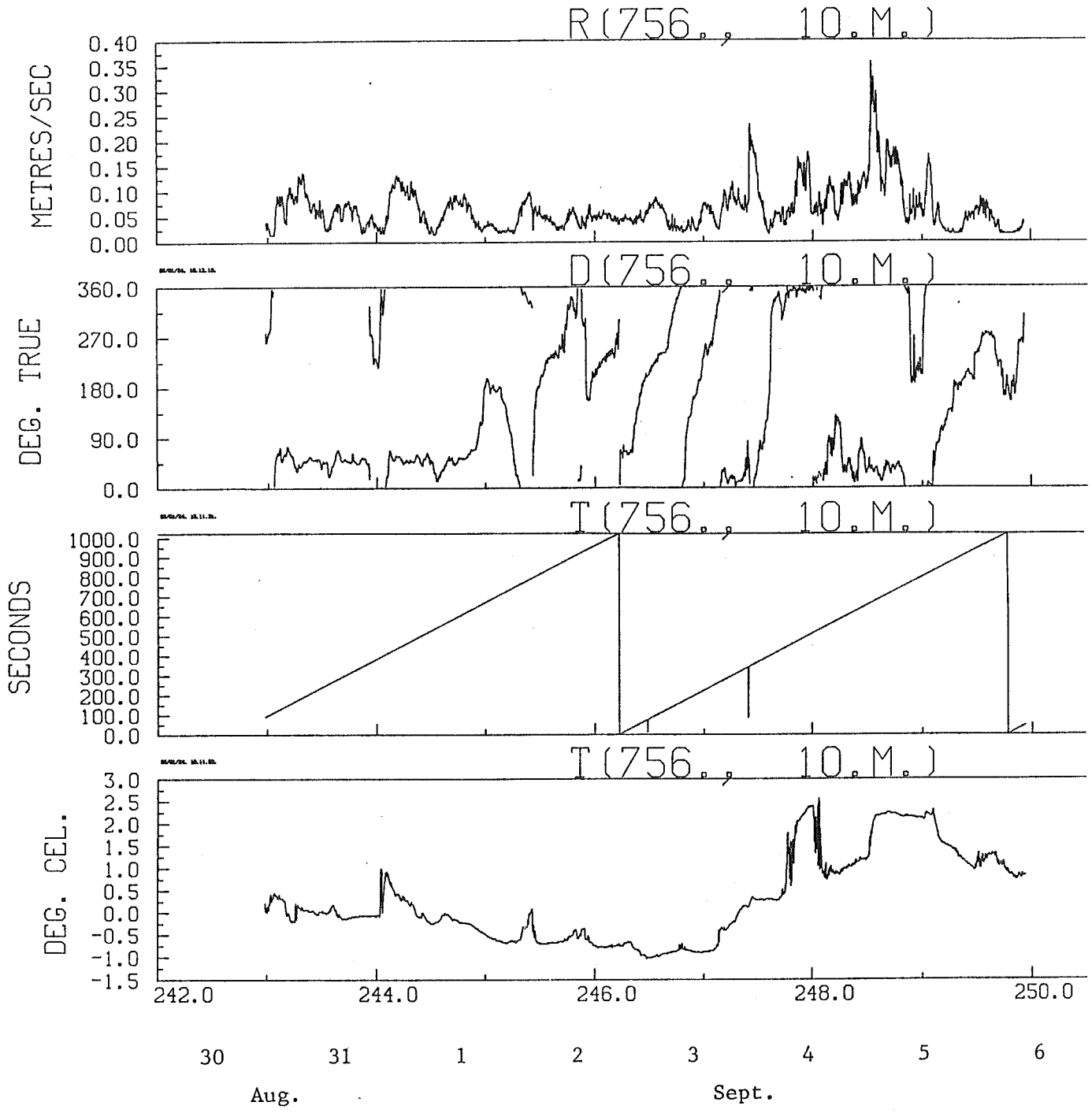
Aanderaa current meter at 5 m depth.

(Note that time scale is GMT which is 6 hours later than local time (MDT)).



Aanderaa current meter at 10 m depth.

(Note that time scale is GMT which is 6 hours later than local time (MDT)).



SEA DATA
DIRECTIONAL WAVE/CURRENT METER DATA

APPENDIX 6

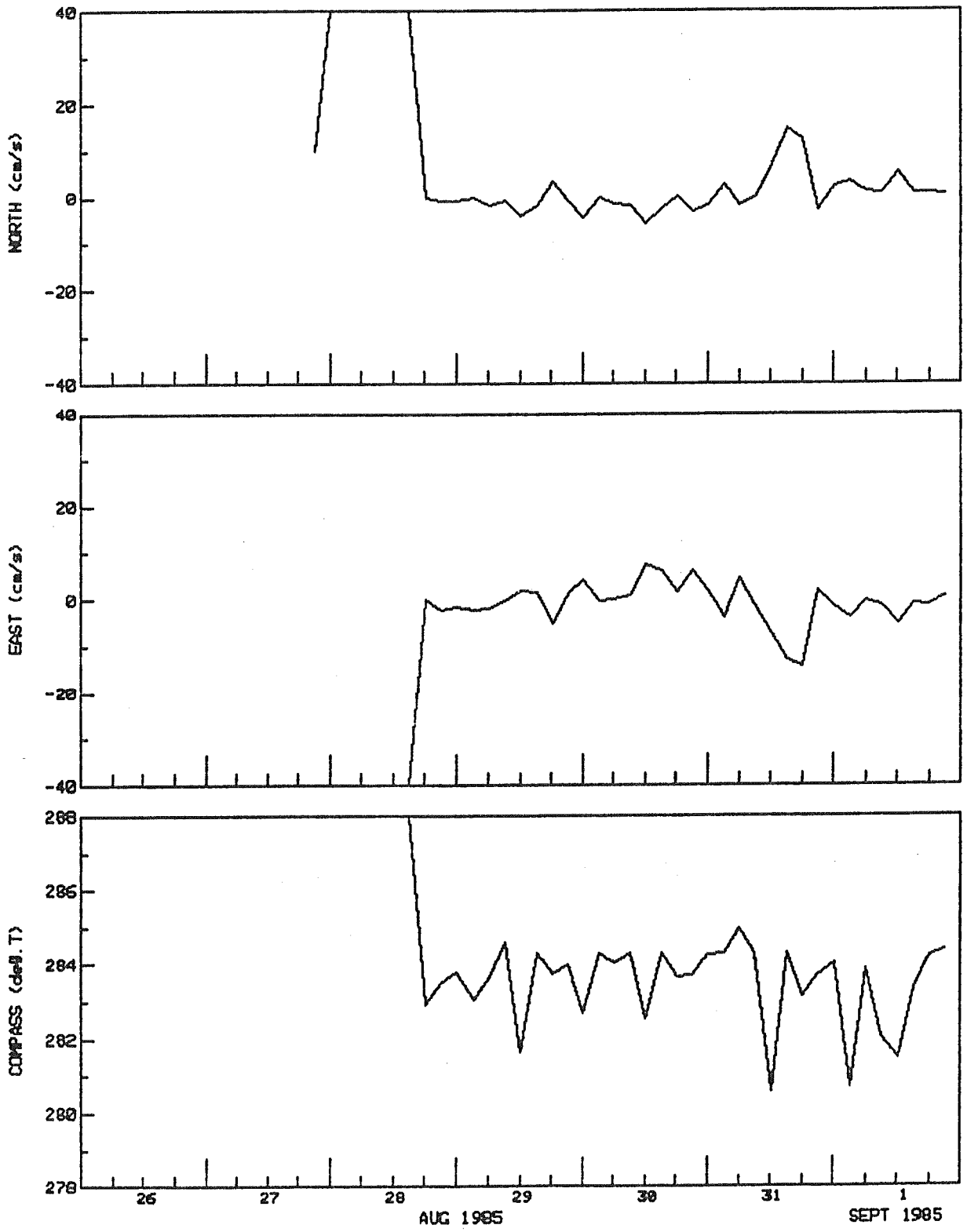
6.1 SEA DATA 621 CURRENT METER DATA

TIME SERIES OF NORTH, EAST COMPONENTS AND COMPASS

KING POINT
69 6' N 137 57' W

DEPTH(m) 1.8
SEA DATA 621

TYPE DESPIKED
DT(min) 180

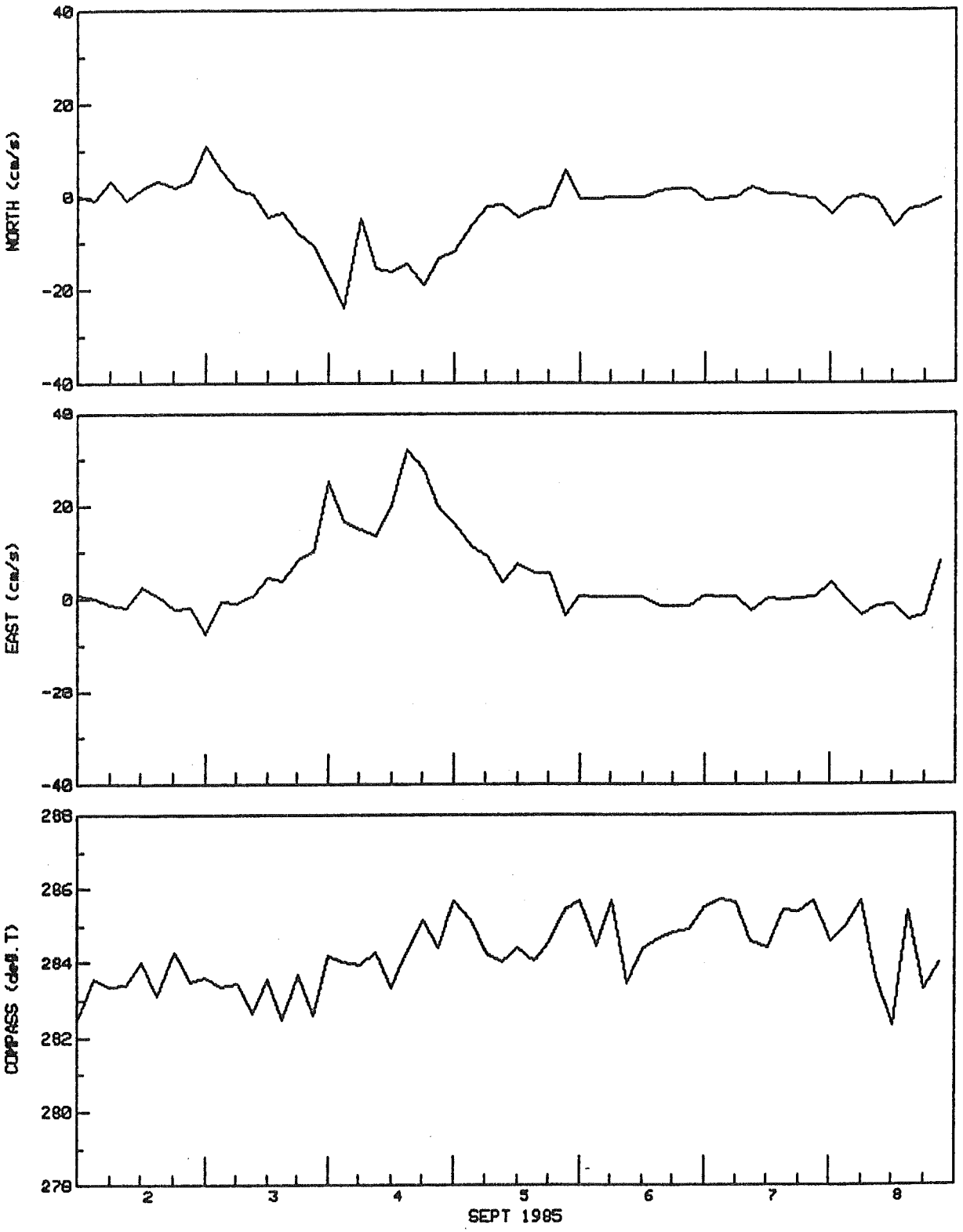


TIME SERIES OF NORTH, EAST COMPONENTS AND COMPASS

KING POINT
69 6' N 137 57' W

DEPTH(m) 1.8
SEA DATA 621

TYPE DESPIKED
DT(min) 180

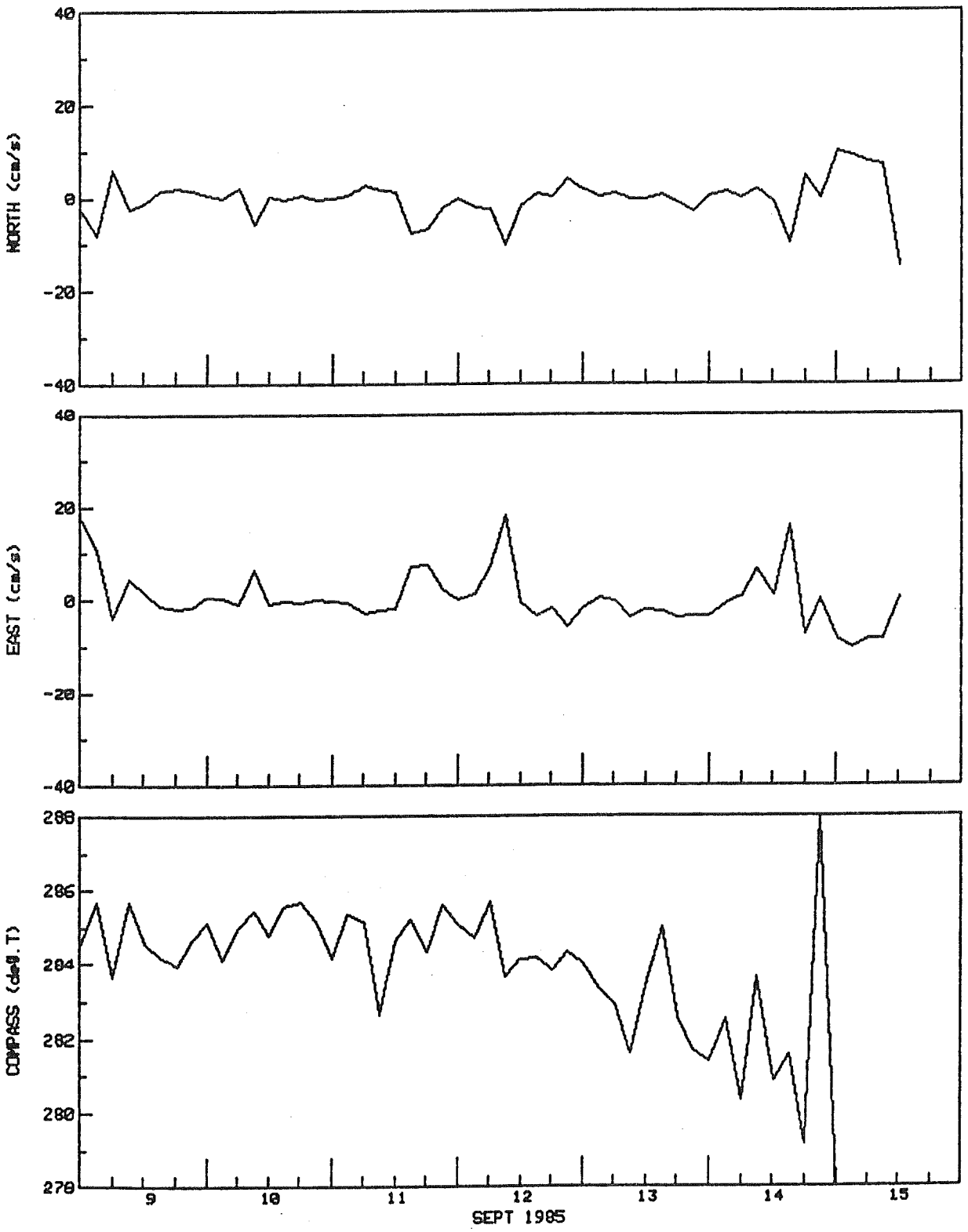


TIME SERIES OF NORTH, EAST COMPONENTS AND COMPASS

KING POINT
69 6' N 137 57' W

DEPTH(m) 1.8
SEA DATA 621

TYPE DESPIKED
DT(min) 180



MMI 621 KING POINT COASTAL ZONE
621/ 0 Station: KING PT Depth: 1 File: DR4:P621CR.WAV

YYYYMMDDHHMM MDT	NORTH MEAN CM/SEC	NORTH S.D. CM/SEC	EAST MEAN CM/SEC	EAST S.D. CM/SEC	SPEED CM/SEC	DIRECTION DEGREES	COMPASS DEGREES	Record Number
1985 82721 8	9.78	30.09	-105.01	29.86	105.47	275.32	316.53	1
1985 828 0 8	192.69	24.49	-123.57	36.43	228.91	327.33	322.10	2
1985 828 3 8	90.14	19.77	-57.55	24.61	106.95	327.44	316.07	3
1985 828 6 8	98.55	18.91	-71.16	24.30	121.55	324.17	318.51	4
1985 828 9 8	110.63	22.03	-74.79	28.79	133.54	325.94	318.16	5
1985 82812 8	130.52	26.00	-121.85	33.07	178.56	316.97	320.38	6
1985 82815 8	184.97	92.29	-51.06	83.52	191.89	344.57	340.16	7
1985 82818 8	0.00	0.38	0.06	0.37	0.06	90.87	282.92	8
1985 82821 8	-0.86	3.21	-2.46	1.42	2.61	250.67	283.49	9
1985 829 0 8	-0.81	2.66	-1.59	1.40	1.78	242.97	283.78	10
1985 829 3 8	-0.08	2.02	-2.26	1.31	2.27	268.02	283.04	11
1985 829 6 8	-1.81	1.93	-1.95	1.05	2.66	227.05	283.64	12
1985 829 9 8	-0.67	2.23	-0.33	1.22	0.75	206.14	284.60	13
1985 82912 8	-3.98	1.99	1.92	1.86	4.42	154.29	281.64	14
1985 82915 8	-1.91	2.32	1.57	1.47	2.47	140.60	284.30	15
1985 82918 8	3.37	2.60	-5.26	1.97	6.24	302.63	283.74	16
1985 82921 8	-0.86	2.78	1.27	2.45	1.53	124.14	283.99	17
1985 830 0 8	-4.24	1.91	4.31	1.73	6.05	134.54	282.67	18
1985 830 3 8	-0.11	1.43	-0.24	1.09	0.27	246.63	284.29	19
1985 830 6 8	-1.55	1.22	0.10	1.16	1.56	176.21	284.03	20
1985 830 9 8	-1.87	1.11	0.93	0.84	2.09	153.44	284.29	21
1985 83012 8	-5.80	1.70	7.56	1.64	9.53	127.51	282.50	22
1985 83015 8	-2.36	1.34	6.13	1.45	6.57	111.03	284.30	23
1985 83018 8	0.05	1.50	1.48	1.26	1.48	88.24	283.65	24
1985 83021 8	-3.09	1.23	6.14	2.96	6.87	116.73	283.71	25
1985 831 0 8	-1.80	1.36	2.03	2.05	2.71	131.57	284.28	26
1985 831 3 8	2.88	0.87	-4.09	0.62	5.00	305.20	284.30	27
1985 831 6 8	-1.84	2.81	4.46	1.96	4.83	112.43	284.96	28
1985 831 9 8	-0.23	1.17	-1.43	1.12	1.45	260.93	284.30	29
1985 83112 8	7.01	2.11	-7.64	2.69	10.37	312.54	280.59	30
1985 83115 8	14.68	1.62	-12.94	2.62	19.57	318.61	284.30	31
1985 83118 8	12.51	3.47	-14.24	4.24	18.96	311.30	283.14	32
1985 83121 8	-2.72	4.45	1.80	3.41	3.26	146.49	283.69	33
1985 9 1 0 8	2.56	7.53	-1.80	5.60	3.13	324.86	284.02	34
1985 9 1 3 8	3.56	9.55	-3.87	5.56	5.25	312.60	280.71	35
1985 9 1 6 8	1.16	10.13	-0.50	5.93	1.27	336.73	283.87	36
1985 9 1 9 8	0.74	7.95	-1.18	5.07	1.39	302.31	282.03	37
1985 9 112 8	5.26	9.07	-5.20	6.80	7.40	315.34	281.47	38
1985 9 115 8	0.92	7.40	-1.04	4.40	1.39	311.63	283.35	39
1985 9 118 8	0.88	13.25	-1.36	6.12	1.62	302.94	284.21	40
1985 9 121 8	0.42	11.41	0.45	5.16	0.62	47.31	284.38	41
1985 9 2 0 8	0.22	13.22	1.02	4.48	1.05	77.68	282.54	42
1985 9 2 3 8	-0.63	12.27	-0.02	5.02	0.63	181.86	283.56	43
1985 9 2 6 8	3.39	18.41	-1.44	5.63	3.68	337.01	283.35	44
1985 9 2 9 8	-0.92	22.31	-2.08	7.00	2.27	246.17	283.40	45
1985 9 212 8	1.82	20.64	2.64	7.78	3.21	55.35	284.04	46
1985 9 215 8	3.46	21.17	0.53	8.48	3.50	8.69	283.11	47
1985 9 218 8	1.98	21.79	-2.28	8.50	3.02	311.05	284.30	48
1985 9 221 8	3.60	20.18	-1.93	8.27	4.08	331.76	283.48	49
1985 9 3 0 8	10.75	22.34	-7.43	9.90	13.07	325.36	283.60	50
1985 9 3 3 8	5.82	16.34	-0.68	8.39	5.86	353.32	283.35	51
1985 9 3 6 8	1.42	13.33	-1.11	5.27	1.81	321.94	283.47	52
1985 9 3 9 8	0.53	12.87	0.57	4.75	0.78	47.35	282.64	53
1985 9 312 8	-4.45	10.39	4.38	3.66	6.24	135.43	283.59	54
1985 9 315 8	-3.26	8.18	3.93	2.92	5.10	129.70	282.50	55
1985 9 318 8	-7.81	10.23	8.49	5.58	11.54	132.63	283.68	56
1985 9 321 8	-10.59	16.42	9.98	8.96	14.55	136.69	282.60	57
1985 9 4 0 8	-16.68	20.85	25.30	9.13	30.31	123.39	284.22	58
1985 9 4 3 8	-23.69	37.54	16.38	12.20	28.80	145.34	284.03	59
1985 9 4 6 8	-4.60	22.08	14.75	11.56	15.45	107.32	283.95	60
1985 9 4 9 8	-15.30	20.56	13.43	10.45	20.36	138.74	284.30	61
1985 9 412 8	-16.08	19.79	20.46	10.69	26.02	128.15	283.33	62
1985 9 415 8	-14.44	27.77	31.97	13.60	35.08	114.30	284.29	63
1985 9 418 8	-18.97	20.44	27.80	15.45	33.66	124.31	285.18	64

621/ 0 Station: KING PT Depth: 1 File: DR4:P621CR.WAV

YYYYMMDDHHMM MDT	NORTH MEAN CM/SEC	NORTH S.D. CM/SEC	EAST MEAN CM/SEC	EAST S.D. CM/SEC	SPEED CM/SEC	DIRECTION DEGREES	COMPASS DEGREES	Record Number
1985 9 421 8	-13.07	18.25	19.57	10.34	23.53	123.74	284.44	65
1985 9 5 0 8	-11.72	22.56	16.03	10.51	19.86	126.19	285.70	66
1985 9 5 3 8	-5.92	17.96	11.41	12.30	12.86	117.43	285.18	67
1985 9 5 6 8	-2.13	11.07	8.94	5.13	9.19	103.43	284.27	68
1985 9 5 9 8	-1.71	9.05	3.68	3.79	4.05	114.90	284.01	69
1985 9 512 8	-4.33	9.47	7.36	5.07	8.54	120.43	284.43	70
1985 9 515 8	-2.73	10.12	5.41	5.33	6.06	116.80	284.05	71
1985 9 518 8	-2.12	8.99	5.38	3.26	5.78	111.51	284.60	72
1985 9 521 8	5.80	7.11	-3.65	3.12	6.85	327.79	285.46	73
1985 9 6 0 8	-0.29	6.98	0.55	3.34	0.62	117.87	285.68	74
1985 9 6 3 8	-0.29	5.24	0.14	2.10	0.33	153.55	284.45	75
1985 9 6 6 8	-0.10	5.57	0.14	1.83	0.18	125.64	285.67	76
1985 9 6 9 8	-0.24	5.78	0.13	2.36	0.27	152.52	283.46	77
1985 9 612 8	-0.24	4.71	0.37	2.18	0.44	123.04	284.37	78
1985 9 615 8	1.31	3.54	-1.80	1.57	2.23	305.99	284.66	79
1985 9 618 8	1.81	3.32	-1.82	2.70	2.57	314.88	284.83	80
1985 9 621 8	1.70	3.96	-1.51	2.97	2.27	318.49	284.90	81
1985 9 7 0 8	-0.89	4.62	0.70	3.79	1.13	141.83	285.54	82
1985 9 7 3 8	-0.54	7.31	0.43	3.52	0.69	141.35	285.73	83
1985 9 7 6 8	-0.08	9.06	0.22	3.55	0.23	110.16	285.63	84
1985 9 7 9 8	2.06	11.26	-2.55	4.06	3.28	308.86	284.60	85
1985 9 712 8	0.40	13.14	-0.05	4.72	0.40	353.35	284.43	86
1985 9 715 8	0.59	10.25	-0.26	4.03	0.64	336.44	285.44	87
1985 9 718 8	-0.11	6.87	-0.08	2.68	0.14	215.95	285.39	88
1985 9 721 8	-0.57	5.21	0.34	2.01	0.66	149.03	285.69	89
1985 9 8 0 8	-3.65	3.52	3.66	1.53	5.17	134.90	284.58	90
1985 9 8 3 8	-0.46	5.94	-0.52	3.46	0.70	228.36	285.00	91
1985 9 8 6 8	0.33	2.37	-3.68	1.38	3.70	275.08	285.70	92
1985 9 8 9 8	-0.89	2.21	-1.75	1.23	1.97	242.92	283.59	93
1985 9 812 8	-6.14	2.43	-1.26	2.17	6.27	191.62	282.34	94
1985 9 815 8	-2.60	2.59	-4.46	2.38	5.16	239.75	285.39	95
1985 9 818 8	-1.99	2.41	-3.67	2.57	4.17	241.58	283.30	96
1985 9 821 8	-0.47	18.22	7.74	9.95	7.75	93.49	283.99	97
1985 9 9 0 8	-2.69	20.03	17.16	10.77	17.37	98.92	284.57	98
1985 9 9 3 8	-7.79	22.24	10.71	11.42	13.24	126.01	285.69	99
1985 9 9 6 8	6.07	8.93	-4.09	3.56	7.32	326.05	283.65	100
1985 9 9 9 8	-2.43	7.16	4.62	3.04	5.22	117.72	285.69	101
1985 9 912 8	-1.23	6.31	1.55	2.48	1.98	128.43	284.59	102
1985 9 915 8	1.59	6.49	-1.27	2.27	2.03	321.50	284.22	103
1985 9 918 8	2.10	5.14	-1.83	2.31	2.79	318.86	283.94	104
1985 9 921 8	1.62	6.31	-1.66	1.92	2.32	314.26	284.67	105
1985 910 0 8	0.38	8.73	0.61	2.61	0.72	58.46	285.13	106
1985 910 3 8	-0.15	10.25	0.33	3.38	0.36	114.39	284.16	107
1985 910 6 8	2.01	10.18	-1.09	3.51	2.29	331.43	284.99	108
1985 910 9 8	-5.68	9.78	6.56	3.22	8.67	130.91	285.45	109
1985 91012 8	0.16	6.90	-1.06	2.01	1.07	278.77	284.78	110
1985 91015 8	-0.37	6.63	-0.36	2.24	0.52	224.80	285.57	111
1985 91018 8	0.49	5.62	-0.79	2.46	0.93	302.11	285.69	112
1985 91021 8	-0.45	4.19	0.02	1.70	0.45	177.36	285.16	113
1985 911 0 8	-0.15	2.51	-0.41	1.35	0.44	249.96	284.18	114
1985 911 3 8	0.60	1.78	-0.83	1.18	1.02	305.84	285.38	115
1985 911 6 8	2.64	2.01	-2.90	1.74	3.92	312.29	285.11	116
1985 911 9 8	1.73	3.09	-2.20	2.17	2.80	308.18	282.65	117
1985 91112 8	1.21	2.46	-2.08	1.45	2.41	300.28	284.62	118
1985 91115 8	-7.65	3.88	7.03	2.52	10.39	137.44	285.19	119
1985 91118 8	-6.51	2.77	7.33	1.96	9.80	131.58	284.33	120
1985 91121 8	-2.00	2.24	2.08	1.32	2.89	133.79	285.61	121
1985 912 0 8	-0.03	2.50	-0.03	1.28	0.04	223.72	285.07	122
1985 912 3 8	-1.98	1.17	1.16	1.01	2.30	149.64	284.73	123
1985 912 6 8	-2.27	1.33	7.23	1.73	7.58	107.43	285.69	124
1985 912 9 8	-10.03	3.12	18.05	8.57	20.65	119.07	283.64	125
1985 91212 8	-1.66	1.58	-0.63	1.07	1.78	200.64	284.15	126
1985 91215 8	0.81	1.74	-3.70	1.30	3.79	282.29	284.19	127
1985 91218 8	0.09	1.11	-2.06	0.90	2.07	272.51	283.84	128

NNI 621 KING POINT COASTAL ZONE
621/ 0 Station: KING PT Depth: 1 File: DR4:P621CR.WAV

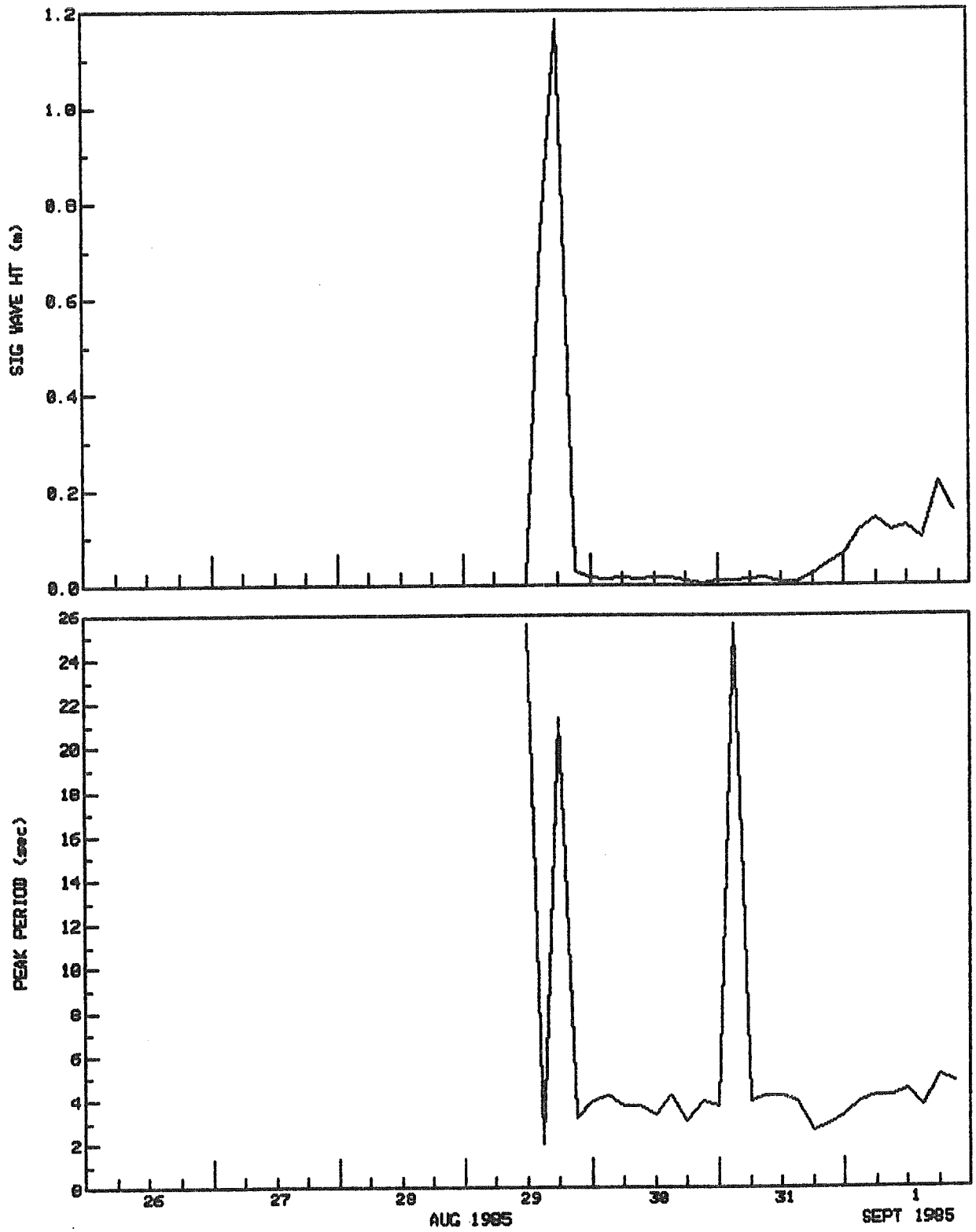
YYYYMMDDHHMM MDT	NORTH MEAN CM/SEC	NORTH S.D. CM/SEC	EAST MEAN CM/SEC	EAST S.D. CM/SEC	SPEED CM/SEC	DIRECTION DEGREES	COMPASS DEGREES	Record Number
1985 91221 8	4.21	1.24	-5.82	1.53	7.18	305.88	284.34	129
1985 913 0 8	1.77	1.29	-1.98	2.73	2.66	311.72	284.01	130
1985 913 3 8	0.16	1.64	0.44	1.11	0.46	69.95	283.33	131
1985 913 6 8	0.83	4.07	-0.41	1.39	0.93	333.81	282.92	132
1985 913 9 8	-0.59	3.60	-3.99	1.01	4.03	261.56	281.58	133
1985 91312 8	-0.50	1.70	-2.33	1.34	2.39	257.89	283.39	134
1985 91315 8	0.50	1.72	-2.63	3.51	2.68	280.87	284.99	135
1985 91318 8	-1.11	2.93	-3.90	1.69	4.06	254.18	282.55	136
1985 91321 8	-3.02	7.52	-3.47	1.45	4.60	228.98	281.65	137
1985 914 0 8	0.33	2.72	-3.71	1.45	3.72	275.13	281.39	138
1985 914 3 8	1.27	2.45	-1.16	5.38	1.72	317.63	282.52	139
1985 914 6 8	-0.17	20.47	0.60	9.99	0.62	105.54	280.34	140
1985 914 9 8	1.71	18.25	6.56	9.65	6.78	75.37	283.66	141
1985 91412 8	-1.12	7.01	0.82	3.90	1.39	143.90	280.87	142
1985 91415 8	-9.87	4.30	16.00	10.27	18.80	121.68	281.54	143
1985 91418 8	4.77	3.51	-7.58	2.13	8.96	302.17	279.15	144
1985 91421 8	0.00	1.14	-0.08	0.37	0.08	270.46	294.10	145
1985 915 0 8	9.81	22.09	-8.37	24.46	12.90	319.50	260.13	146
1985 915 3 8	9.11	25.91	-10.58	29.64	13.96	310.71	260.47	147
1985 915 6 8	7.60	18.13	-8.32	20.31	11.27	312.42	257.34	148
1985 915 9 8	7.09	15.36	-8.57	18.53	11.12	309.58	257.66	149
1985 91512 8	-14.81	26.96	0.45	29.46	14.81	178.28	233.22	150

6.2 SEA DATA 635-12 WAVE HEIGHT DATA AND TIDAL VARIATIONS

TIME SERIES OF SIGNIFICANT WAVE HEIGHT AND PEAK PERIOD

KING POINT
69 6' N 137 57' W

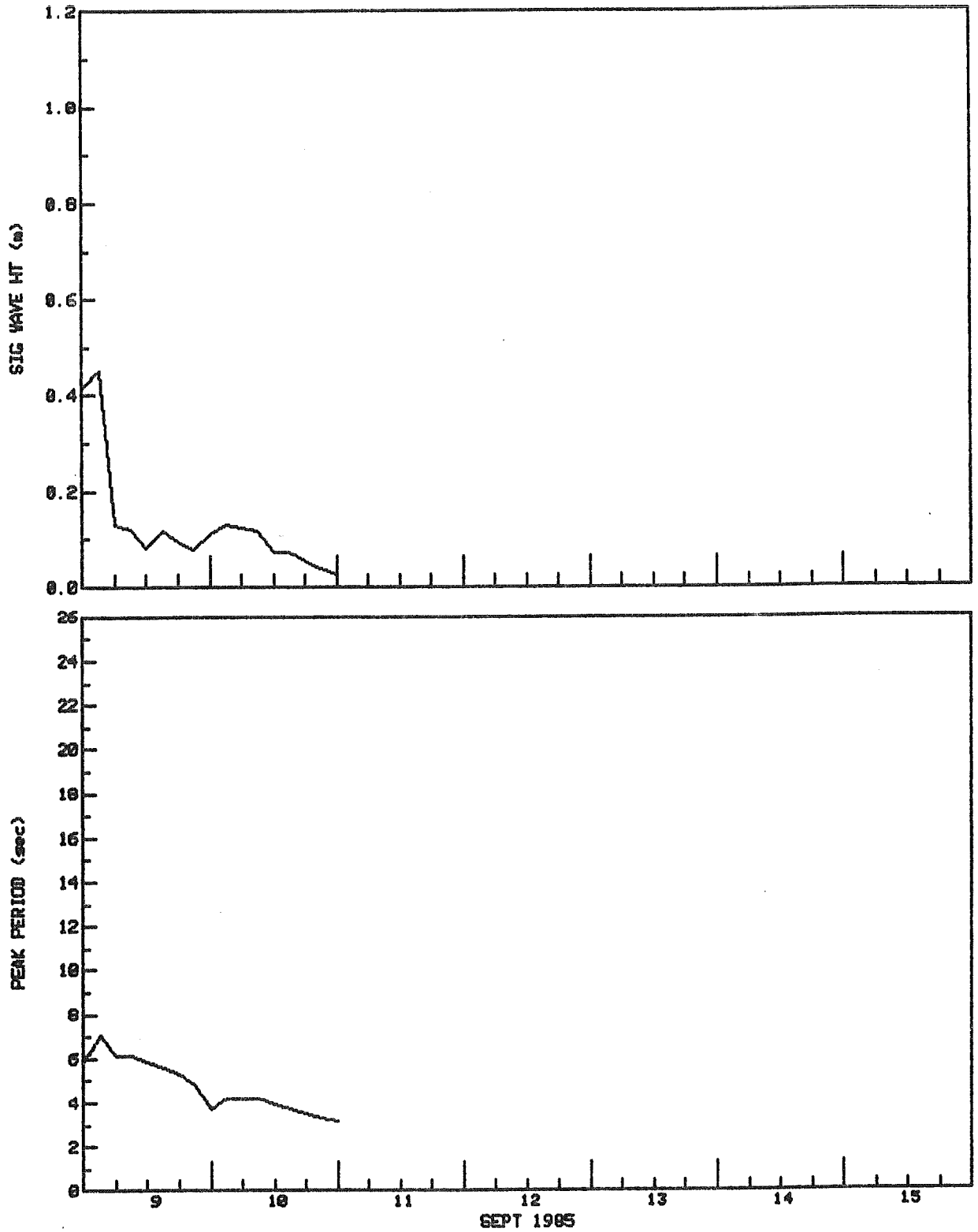
DEPTH(m) 4.0
SEA DATA 635-12 DT(min) 180



TIME SERIES OF SIGNIFICANT WAVE HEIGHT AND PEAK PERIOD

KING POINT
69 6' N 137 57' W

DEPTH(m) 4.0
SEA DATA 635-12 DT(min) 180



635/ 12 Station: KING PT Depth: 4 File: DR4:TMS635.PXY

YYYYMMDDHHMM MDT	SIG WAVE HGT M	PEAK PERIOD SEC	Record Number
1985 82912 0	0.104E-01	0.256E+02	1
1985 82915 0	0.733E+00	0.205E+01	2
1985 82918 0	0.118E+01	0.213E+02	3
1985 82921 0	0.277E-01	0.316E+01	4
1985 830 0 0	0.172E-01	0.394E+01	5
1985 830 3 0	0.120E-01	0.420E+01	6
1985 830 6 0	0.159E-01	0.371E+01	7
1985 830 9 0	0.142E-01	0.371E+01	8
1985 83012 0	0.154E-01	0.332E+01	9
1985 83015 0	0.152E-01	0.420E+01	10
1985 83018 0	0.108E-01	0.301E+01	11
1985 83021 0	0.485E-02	0.394E+01	12
1985 831 0 0	0.900E-02	0.371E+01	13
1985 831 3 0	0.869E-02	0.256E+02	14
1985 831 6 0	0.130E-01	0.394E+01	15
1985 831 9 0	0.157E-01	0.420E+01	16
1985 83112 0	0.745E-02	0.420E+01	17
1985 83115 0	0.733E-02	0.394E+01	18
1985 83118 0	0.228E-01	0.264E+01	19
1985 83121 0	0.432E-01	0.288E+01	20
1985 9 1 0 0	0.645E-01	0.332E+01	21
1985 9 1 3 0	0.115E+00	0.394E+01	22
1985 9 1 6 0	0.138E+00	0.420E+01	23
1985 9 1 9 0	0.114E+00	0.420E+01	24
1985 9 112 0	0.124E+00	0.449E+01	25
1985 9 115 0	0.975E-01	0.371E+01	26
1985 9 118 0	0.214E+00	0.512E+01	27
1985 9 121 0	0.156E+00	0.483E+01	28
1985 9 2 0 0	0.207E+00	0.512E+01	29
1985 9 2 3 0	0.191E+00	0.483E+01	30
1985 9 2 6 0	0.298E+00	0.557E+01	31
1985 9 2 9 0	0.326E+00	0.557E+01	32
1985 9 212 0	0.345E+00	0.512E+01	33
1985 9 215 0	0.374E+00	0.533E+01	34
1985 9 218 0	0.393E+00	0.512E+01	35
1985 9 221 0	0.352E+00	0.512E+01	36
1985 9 3 0 0	0.420E+00	0.557E+01	37
1985 9 3 3 0	0.289E+00	0.533E+01	38
1985 9 3 6 0	0.216E+00	0.512E+01	39
1985 9 3 9 0	0.191E+00	0.483E+01	40
1985 9 312 0	0.132E+00	0.512E+01	41
1985 9 315 0	0.120E+00	0.483E+01	42
1985 9 318 0	0.133E+00	0.557E+01	43
1985 9 321 0	0.231E+00	0.351E+01	44
1985 9 4 0 0	0.371E+00	0.483E+01	45
1985 9 4 3 0	0.481E+00	0.512E+01	46
1985 9 4 6 0	0.404E+00	0.533E+01	47
1985 9 4 9 0	0.324E+00	0.449E+01	48
1985 9 412 0	0.367E+00	0.449E+01	49
1985 9 415 0	0.523E+00	0.483E+01	50
1985 9 418 0	0.453E+00	0.512E+01	51
1985 9 421 0	0.380E+00	0.483E+01	52
1985 9 5 0 0	0.320E+00	0.512E+01	53
1985 9 5 3 0	0.285E+00	0.420E+01	54
1985 9 5 6 0	0.144E+00	0.512E+01	55
1985 9 5 9 0	0.139E+00	0.483E+01	56
1985 9 512 0	0.118E+00	0.351E+01	57
1985 9 515 0	0.114E+00	0.512E+01	58
1985 9 518 0	0.933E-01	0.449E+01	59
1985 9 521 0	0.747E-01	0.394E+01	60
1985 9 6 0 0	0.913E-01	0.351E+01	61
1985 9 6 3 0	0.684E-01	0.420E+01	62
1985 9 6 6 0	0.644E-01	0.449E+01	63
1985 9 6 9 0	0.627E-01	0.449E+01	64

YYYYMMDDHHMM MDT	SIG WAVE HGT M	PEAK PERIOD SEC	Record Number
1985 9 612 0	0.576E-01	0.449E+01	65
1985 9 615 0	0.402E-01	0.420E+01	66
1985 9 618 0	0.299E-01	0.420E+01	67
1985 9 621 0	0.396E-01	0.483E+01	68
1985 9 7 0 0	0.561E-01	0.332E+01	69
1985 9 7 3 0	0.863E-01	0.449E+01	70
1985 9 7 6 0	0.112E+00	0.483E+01	71
1985 9 7 9 0	0.176E+00	0.483E+01	72
1985 9 712 0	0.182E+00	0.449E+01	73
1985 9 715 0	0.116E+00	0.420E+01	74
1985 9 718 0	0.718E-01	0.420E+01	75
1985 9 721 0	0.442E-01	0.394E+01	76
1985 9 8 0 0	0.207E-01	0.351E+01	77
1985 9 8 3 0	0.636E-01	0.394E+01	78
1985 9 8 6 0	0.311E-01	0.449E+01	79
1985 9 8 9 0	0.276E-01	0.483E+01	80
1985 9 812 0	0.306E-01	0.449E+01	81
1985 9 815 0	0.261E-01	0.160E+02	82
1985 9 818 0	0.280E-01	0.533E+01	83
1985 9 821 0	0.380E+00	0.533E+01	84
1985 9 9 0 0	0.415E+00	0.582E+01	85
1985 9 9 3 0	0.452E+00	0.711E+01	86
1985 9 9 6 0	0.131E+00	0.610E+01	87
1985 9 9 9 0	0.120E+00	0.610E+01	88
1985 9 912 0	0.834E-01	0.582E+01	89
1985 9 915 0	0.116E+00	0.557E+01	90
1985 9 918 0	0.963E-01	0.533E+01	91
1985 9 921 0	0.791E-01	0.483E+01	92
1985 910 0 0	0.111E+00	0.371E+01	93
1985 910 3 0	0.129E+00	0.420E+01	94
1985 910 6 0	0.124E+00	0.420E+01	95
1985 910 9 0	0.117E+00	0.420E+01	96
1985 91012 0	0.725E-01	0.394E+01	97
1985 91015 0	0.726E-01	0.371E+01	98
1985 91018 0	0.536E-01	0.351E+01	99
1985 91021 0	0.381E-01	0.332E+01	100
1985 911 0 0	0.264E-01	0.316E+01	101

TABULATED WATER LEVELS FROM SEA DATA 635-12 INSTRUMENT LOCATED IN 5.6 M OF WATER OFF KING POINT BARRIER BEACH IN SEPTEMBER 1985. WATER LEVEL REFERS TO WATER SURFACE WITH RESPECT TO MEAN SEA LEVEL.

DATE (Sept)	TIME	WATER LEVEL (m)
1	18:00	+0.10
1	21:00	-0.06
2	00:00	-0.07
2	03:00	+0.11
2	06:00	+0.16
2	09:00	-0.06
2	12:00	-0.13
2	15:00	+0.00
2	18:00	-0.04
2	21:00	-0.12
3	00:00	-0.18
3	03:00	+0.02
3	06:00	+0.12
3	09:00	-0.03
3	12:00	-0.14
3	15:00	+0.00
3	18:00	+0.07
3	21:00	-0.05
4	00:00	+0.00
4	03:00	+0.06
4	06:00	+0.15
4	09:00	+0.05
4	12:00	-0.05
4	15:00	+0.06
4	18:00	+0.13
4	21:00	+0.01
5	00:00	-0.08
5	03:00	+0.01
5	06:00	+0.15
8	21:00	+0.18
9	00:00	+0.12
9	03:00	+0.04