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Grain size data compilation and parameters of  
sediment samples; Lower Cook Inlet, Alaska, 1976 through 1979

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S.G.S.

## INTRODUCTION

Lower Cook Inlet is the southern part of the large tidal inlet that connects Anchorage with the Pacific Ocean (fig. 1). During the summer field seasons of 1976, 1977, 1978, and 1979, the U.S. Geological Survey under contract with the Bureau on Land Management through the National Oceanic and Atmospheric Administration conducted geo-environmental studies in lower Cook Inlet (note Table 1) (Bouma and Hampton, 1976; Bouma and others, 1978, Hampton and Bouma 1979, 1980).

The USGS research vessel SEA SOUNDER was used to obtain continuous seismic reflection profiles and to collect seafloor sediment samples. In addition, bottom samples were taken by the University of Alaska during benthic biological studies aboard the R/V MOANA WAVE (April 1976) and the NOAA vessel MILLER FREEMAN (October 1976, Feder, 1977). Textural analyses were carried out on sediment samples taken at 117 station locations. Sample collection was influenced by the nature of the substrate, texture, equipment malfunction and weather. Figure 2 presents a map with station locations. Station locations and other data are tabulated in Appendix I.

A modified Van Veen grab sampler, capable of taking an undisturbed surface sample of 40X60X30 cm was used to collect unconsolidated sediment. In addition, a 3-m gravity corer and a 2-m vibracorer were used at selected sites. The top ten centimeters of each sample were used for grain size analysis. Most samples were taken from bedform fields that occupy much of central lower Cook Inlet. Water depths in the lower inlet range from 40 to 170 m, averaging approximately 70 m. Strong tidal currents are present and surface water velocities of 3-5 knots (150-250 cm/sec) are common during flood and ebb tides (Bouma and Hampton, 1978).

The bottom of central lower Cook Inlet is almost completely covered by sand. Bedrock material can be observed at the seafloor on seismic records in isolated areas. The sand occurs in bedform patterns; textural data are important when determining the relationship between the currents and migrating sand bodies patterns. Immediate and long-term effects of sand movement over and around obstructions placed on the seafloor should be studied to prevent damage or destruction to the sensitive ecosystem of lower Cook Inlet.

This report presents textural grain-size data that have been gathered for lower Cook Inlet samples, the method of collection, and analytical procedures. The data in Appendix 2 can be used to compare calculated parameters in order to properly assess the sedimentary environment of lower Cook Inlet.

## REGIONAL SETTING

The dividing boundary between lower and upper Cook Inlet is approximately at latitude 60° 43'N, 66 nm north of Homer at promontories called the Forelands. The Aleutian Mountain Range borders the inlet to the northwest and the Chugach Mountains are aligned to the southeast (Magoon and others, 1976). Several active volcanoes are located around and within the inlet such as Augustine Island, which last erupted in February, 1976 (Pulpan and Kienle,

Figure 1. Location map for Lower Cook Inlet, Alaska

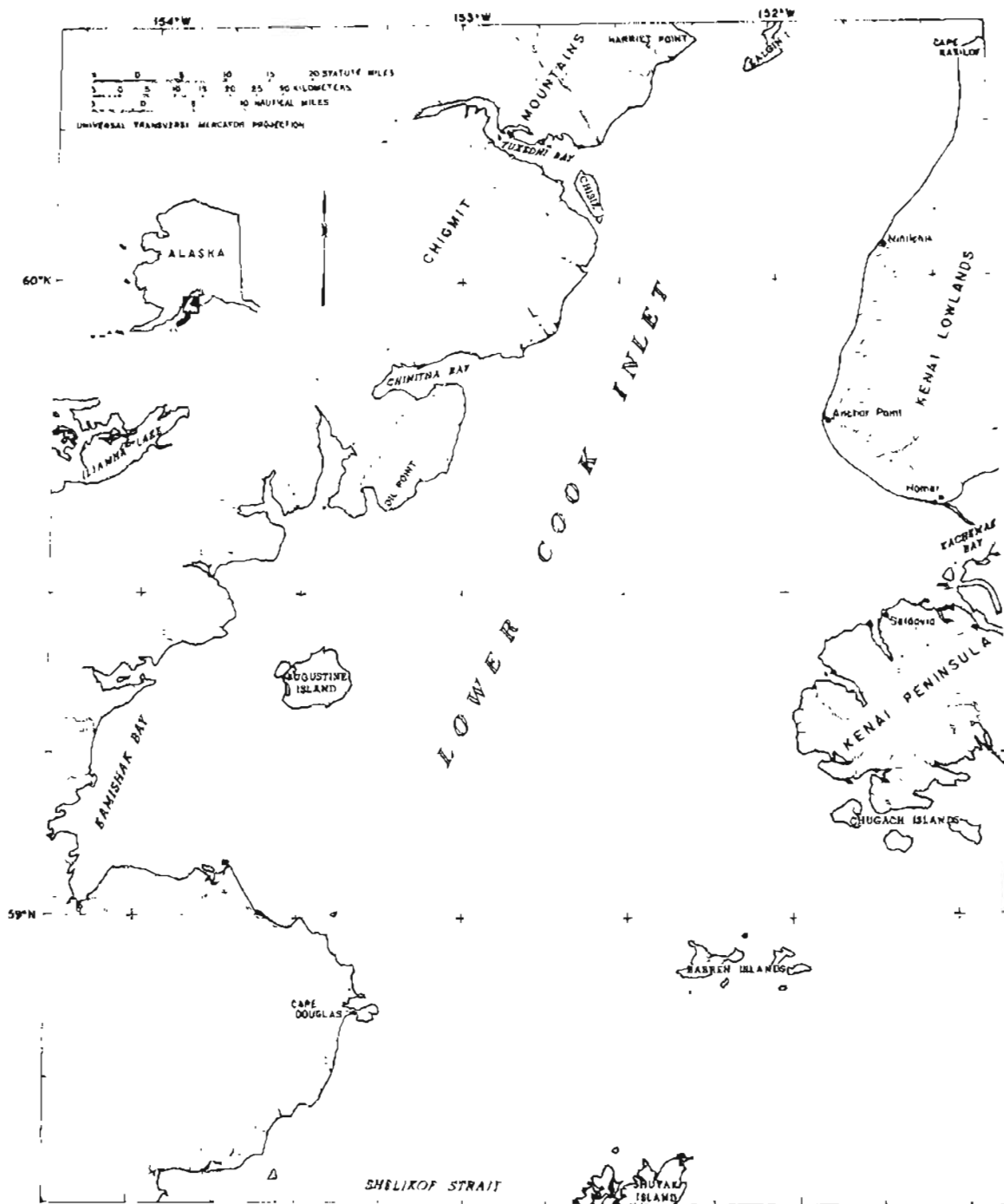


Table 1. Cruise timetables for studies in lower Cook Inlet, Alaska

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<u>SHIP</u>	<u>DATES</u>	<u>OPERATION</u>
R/V MOANA WAVE	April 1976	U. of Alaska
R/V SEA SOUNDER	18 June - 5 July 1976	USGS
NOAA ship MILLER FREEMAN	October 1976	U. of Alaska
R/V SEA SOUNDER	19-26 September 1977	USGS
R/V SEA SOUNDER	2-12 August 1978	USGS
R/V SEA SOUNDER	29 July - 6 August 1979	USGS

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Figure 2a. Sample location map for stations occupied in lower Cook Inlet, Alaska. See Appendix I for exact station locations, depth, and other data. See Fig. 2B for station numbers within insert.

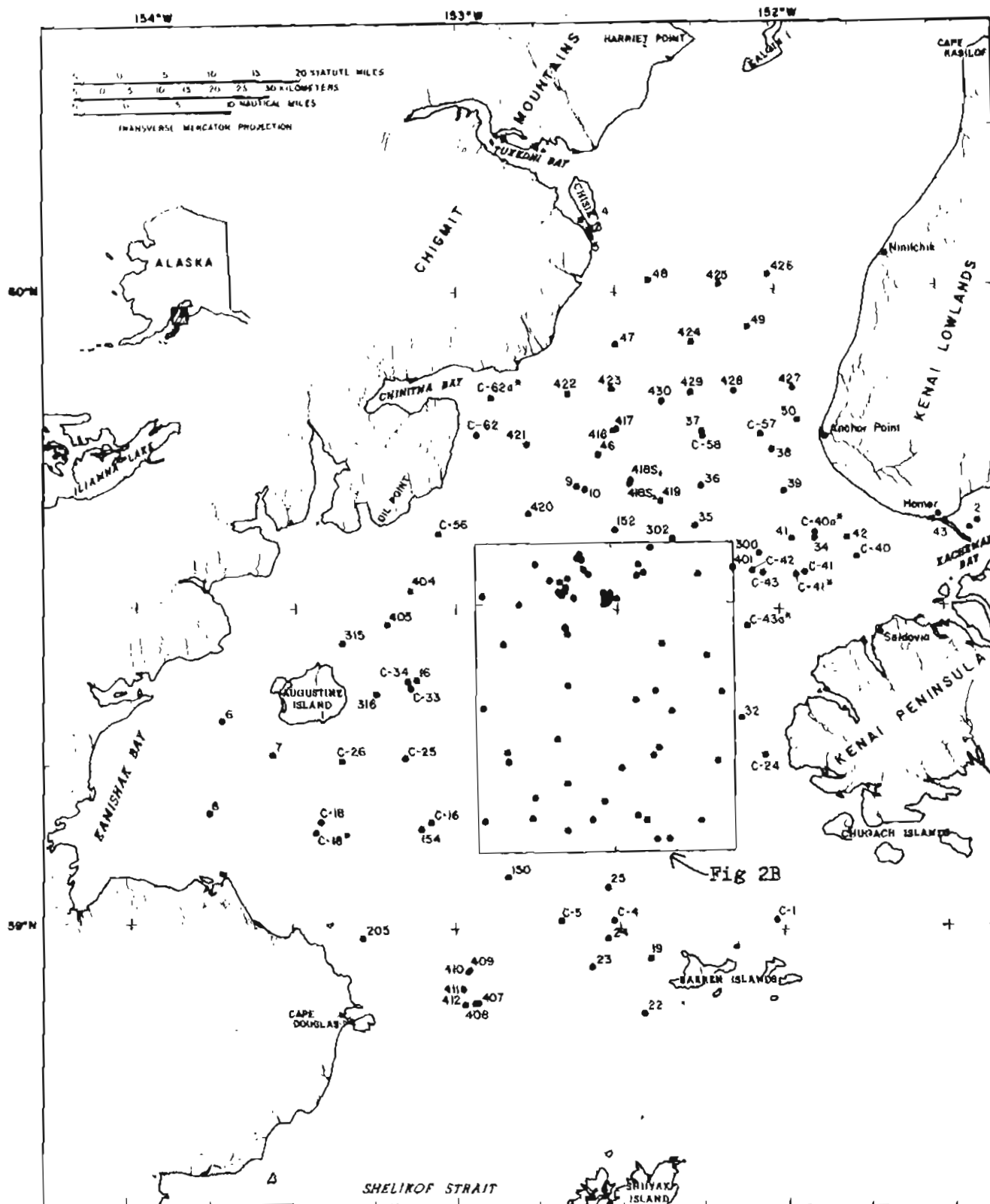
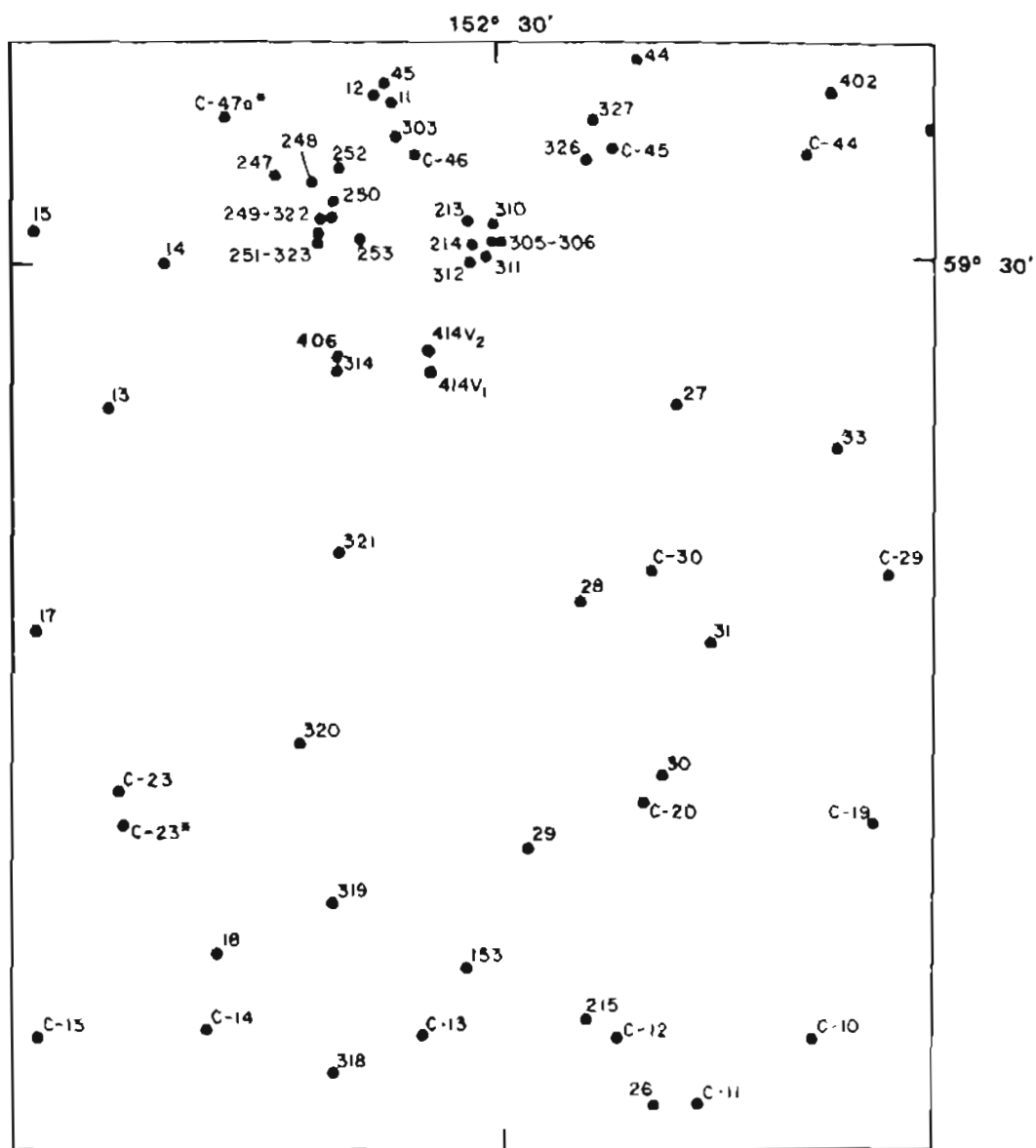


Figure 2b. Location map for stations located in inset figure 2\_a. See Appendix I for locations and other data.



1977). Predominant geographical areas are the Kenai and Seldovia Peninsulas on the eastern shore, Augustine Island and Cape Douglas to the southwest and the Barren Islands at the inlet mouth.

## INSTRUMENTATION

### NAVIGATION

Navigational systems used for station location by the USGS scientists consisted of integrated Magnavox satellite-Loran C and Motorola Mini-Ranger units. The data from the integrated system was automatically recorded on magnetic tape, as well as typed out on a keyboard printer. Times and dates were based on Greenwich Mean Time (GMT). Station positions were plotted manually on a 1:250,000 scale chart. Dead-reckoning positions based on satellite data, the ship's single-axis speed log and gyro, were computed every two seconds by the integrated system and stored on magnetic tape.

The Mini-Ranger system received its return signals from shore-based transponders positioned at strategic locations. A maximum line-of-sight range over 80 nautical miles was obtained for some transponder locations. The Mini-Ranger was used as the primary navigation system in lower Cook Inlet because of the high frequency and accuracy of the data. Most shore stations were within range limits of the Mini-Ranger system making it convenient to use. LORAN-C was only accurate within small areas of the inlet and signal gaps occurred between adjacent sections.

In addition to the navigation by the scientific party, the ship's officers frequently collected radar and line-of-sight bearings while on station; such positioning helps to check on the other systems that occasionally receive atmospheric interference.

### Bathymetry

A Raytheon TR-73A transducer and a Raytheon 105 PTR transceiver 12 kilohertz system was used to gather bathymetric data, which were displayed on a digital readout and recorded on magnetic tape and on analog recorder. Sweep and firing rates typically were at  $\frac{1}{2}$  second, and annotations were made for all on-bottom sampling times.

### Sampling Equipment

A standard Van Veen grab sampler proved to be too light for adequate sampling of the typically sandy-gravelly seafloor. Successful attempts were obtained with a heavy, modified grab sampler constructed by A. Soutar of Scripps Institution of Oceanography. This device usually retained a relatively large undisturbed sample, 40 x 60 cm surface area and up to 30 cm thick, that allowed for a 20-30 cm-long subsample to be taken from the center of the sampler. In addition, a top 2 cm and bulk sample were normally taken for textural analyses, which were only run on samples taken from the top 10 cm of sediment. Samples collected by the University of Alaska were taken with a standard Van Veen grab sampler. Relative sample station locations are given on Figure 2.

A gravity corer, consisting of a 1500 pound weight with a 3 m, 7.6 cm ID steel core barrel attached, was used at a few stations. A clear polybutyrate liner was inserted in the barrel and the sediment was retained by a stainless steel core catcher. Cores were cut into 1.5 m sections and then split lengthwise into working and archive halves. Subsamples for grain size parameters were only taken from the working half, along with geotechnical measurements, and analyzed.

A Kiel vibrocore was used to collect up to 2 m continuous cores in areas with coarse-grained sediment. A gravity core-type barrel was attached to the head of the vibrocore along with a clear polybutyrate liner. Penetration normally was less than one meter.

#### SEDIMENT ANALYSIS

Standard methods to determine the size distribution of a sample are sieving, settling tube, and Coulter Counter. These systems give size data in millimeters and/or phi ( $\phi$ ) units. The sieving method measures the physical size of particles, whereas the Rapid Sediment Analyzer (RSA) determines the settling velocities of the grains through water, which are then compared to the settling velocities of quartz spheres of known size. The Coulter Counter measures particle size and determines size percentages based on the total volume analyzed.

Samples were wet sieved through 2 mm and 62  $\mu$ m screens. The 2 mm and greater portion was dried, weighed and visually inspected. This was recorded as the coarse fraction. The percent of shell detritus was also noted.

The sand fraction, 2 mm to 62  $\mu$ m fraction was treated with  $H_2O_2$  to remove organic carbon, washed, and dried. Approximately 1 gram of the clean sample was sprinkled onto the wetted mounting tray of the RSA. The tray and sample were lowered onto the settling tube water surface and the settling tube analysis started with automatic strip-chart recording.

The pan or fine fraction, less than 62  $\mu$ m, was analyzed by a Coulter Counter. The sample was placed in a 1000 ml cylinder and a dispersant and additional distilled water were added to bring the total volume to 1000 ml. The sample is well stirred and three subsamples were taken by pipette at the top, middle and bottom to obtain a representative distribution of particles for the analysis.

The data from sieving, RSA, and Coulter Counter were punch-carded and fed into a computer program. The results of there analyses are displayed in Appendix II.

#### STATISTICAL PARAMETERS .

##### Graphic Representation

Data obtained in a grain size analysis can be plotted in several ways. The program used for this sediment analysis plots phi units as the ordinate and frequency as the abscissa. Other methods use grain size in mm or phi

units as the abscissa and some measure of percentage/frequency as the ordinate. The bar graph frequency histogram represents the weight percent of grains in a particular size class. Plots given in Appendix 2 can be transposed to fit other graphic systems.

Krumbein devised the phi ( $\phi$ ) scale as a logarithmic transformation of the Wentworth scale, simplifying mathematical calculations (Folk, 1968). Grain size plots in phi units are related logarithmically.

From the size analysis, statistical parameters can be calculated that quantitatively describe sedimentary features. The parameters and certain combinations of parameters can be compared and can present an indication of the sedimentary depositional environments.

#### Parameters

The parameters calculated for these analyses include:

- 1) "mode" - the most frequently occurring grain size or sizes, that corresponds to the inflection points in the cumulative curve or to the highest points on the frequency curve. The mode is useful in transport studies, especially when two or more sources are contributing sediment. This parameter is measured in phi units.
- 2) "median" - corresponds to the 50 percentile on a cumulative curve, where half the particles by weight are larger and half are smaller than the median. This parameter is measured in phi units.
- 3) "mean" - the average grain size. Several formulas are used in calculating the mean. The most inclusive graphically derived value is that given by Folk (1968):

$$M_z = \frac{\phi_{16} + \phi_{50} + \phi_{84}}{3},$$

where  $\phi_{16}$ ,  $\phi_{50}$ , and  $\phi_{84}$  represent the size at 16, 50, and 84 percent of the sample by weight. Mean is also measured in phi units and is the most widely compared parameter.

- 4) "sorting" - a method of measuring the grain size sample variation by encompassing the greatest percentage size distribution as measured from a cumulative curve. Folk (1968) introduced the "inclusive graphic standard deviation", that is calculated as follows:

$$\sigma_1 = \frac{\phi_{84} - \phi_{16}}{4} + \frac{\phi_{95} - \phi_5}{6.6}$$

where  $\phi_{84}$ ,  $\phi_{16}$ ,  $\phi_{95}$ , and  $\phi_5$  represent the phi values at 84, 16, 95, and 5 percentiles. Folk (1968) presented a verbal classification scale for sorting:  $\sigma_1 < 0.350$ : very well sorted; 0.35-0.500: well sorted; 0.50-0.710: moderately well sorted; 0.71-1.00: moderately sorted; 1.0-2.00: poorly sorted; 2.0-4.00: very poorly sorted; and,  $>4.00$ : extremely poorly sorted.

- 5) "skewness" - measures the degree to which a cumulative curve approaches symmetry. Two samples may have the same average grain size and sorting but may be quite different to their degrees of symmetry. Folk's "inclusive graphic skewness" (1968) is determined by the equation:

$$Sk_1 = \frac{\phi_{16} + \phi_{84} - 2\phi_{50}}{2(\phi_{84} - \phi_{16})} + \frac{\phi_5 + \phi_{95} - 2\phi_{50}}{2(\phi_{95} - \phi_5)}$$

where the phi values represent the same percentages as those for sorting. This formula includes a measure of the "tails" of the cumulative curve as well as the central portion. Other methods for determining skewness, notably those by Inman (1952) and Trask (1950), do not measure the tails of the curve. Symmetrical curves have a skewness equal to 0.00; those with a large proportion of fine material are positively skewed; those with a large proportion of coarse material are negatively skewed. A verbal classification for skewness suggested by Folk (1968) includes:  $Sk_1$  from +1.00 to +0.30 as strongly fine-skewed; +0.30 to +0.10 as fine-skewed; +0.10 to -0.10 as near-symmetrical; -0.10 to -0.30 as coarse-skewed; and, -0.30 to -1.00 as strongly coarse-skewed.

6) "kurtosis" - is a measure of "peakedness" in a curve. Folk's (1968) formula for kurtosis is:

$$K_g = \frac{\phi_{95} - \phi_5}{2.44(\phi_{75} - \phi_{25})}$$

where the phi values represent the same percentages as those for sorting. A normal Gaussian distribution has a kurtosis of 1.00, which is a curve with the sorting in the tails equal to the sorting in the central portion. If a sample curve is better sorted in the central part than in the tails, the curve is said to be excessively peaked, or leptokurtic; if the sample curve is better sorted in the tails than in the central portion, the curve is flat-peaked or platykurtic. For normal curves  $K_g = 1.00$ , leptokurtic curves have  $K_g > 1.00$ , and platykurtic curves have  $K_g < 1.00$ .

#### Method of Moments

All the above statistical parameters can be calculated using the method of moments. This method gives a more rigorous treatment of the sediment characteristics. The computer program used for the lower Cook Inlet sediment sample analyses performed the necessary calculations for parameter determination. The first moment measure corresponds to the mean, the second to the standard deviation, the third to the skewness, and the fourth to the kurtosis.

#### ACKNOWLEDGEMENTS

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## APPENDIX 1

LIST OF USGS STATION LOCATIONS FROM WHICH SEDIMENT SAMPLES WERE  
OBTAINED IN LOWER COOK INLET, ALASKA

Lower Cook Inlet Sample Station Locations  
 from R/V SEA SOUNDER CRUISE 1976  
 S2(3)-76-WG

<u>Station #</u>	<u>Location</u>		<u>Type</u>	<u>Depth (m)</u>
2	59° 37.55'	151° 18.17'	Gravity core	73
3	60 05.36	152 34.13	Grab sample	40
4	60 05.45	152 34.54	Grab sample	40
5	60 04.70	152 33.83	Grab sample	47
6	59 19.02	153 41.45	Grab sample	26
7	59 16.24	153 32.12	Grab sample	32
8	59 10.69	153 44.10	Grab sample	36
9	59 41.60	152 36.10	Grab sample	35
10	59 41.25	152 34.90	Grab sample	51
11	59 34.50	152 35.90	Grab sample	75
12	59 34.60	152 36.10	Grab sample	67
13	59 25.75	152 50.09	Grab sample	63
14	59 30.00	152 46.01	Grab sample	65
15	59 31.08	152 54.00	Grab sample	45
16	59 23.20	153 06.60	Grab sample	48
17	59 20.70	152 53.50	Grab sample	74
18	59 12.15	152 44.80	Grab sample	122
19	58 56.25	152 23.36	Grab sample	75
22	58 51.20	152 24.90	Grab sample	154
23	58 55.70	152 34.30	Grab sample	170
24	58 58.49	152 31.11	Grab sample	147
25	59 03.20	152 31.20	Grab sample	133
26	59 08.10	152 22.10	Grab sample	119

S2(3)-76-WG  
(cont)

<u>Station #</u>	<u>Location</u>				<u>Type</u>	<u>Depth (m)</u>
27	59 <sup>0</sup>	26.30'	152 <sup>0</sup>	20.70'	Grab sample	74
28	59	21.35	152	25.90	Grab sample	78
29	59	14.98	152	28.15	Grab sample	89
30	59	16.65	152	21.70	Grab sample	91
31	59	20.25	152	19.10	no analysis	90
32	59	19.45	152	06.13	no analysis	69
33	59	26.35	152	12.49	Grab sample	50
34	59	36.55	151	52.00	Grab sample	28
35	59	37.35	152	14.30	Grab sample	50
36	59	41.50	152	13.00	Grab sample	46
37	59	46.30	151	13.00	Grab sample	56
38	59	44.65	151	59.05	no analysis	18
39	59	40.75	151	57.15	Grab sample	35
41	59	36.25	151	56.00	Grab sample	30
42	59	36.20	151	45.60	Grab sample	30
43	59	36.63	151	22.07	Grab sample	52
44	59	35.25	152	22.90	Grab sample	62
45	59	34.80	152	36.10	Grab sample	70
46	59	44.40	152	32.05	Grab sample	71
47	59	55.49	152	28.60	no analysis	25
48	60	00.50	152	22.46	Grab sample	45
49	59	56.00	152	03.90	Grab sample	47
50	59	52.50	151	54.50	no analysis	32
150	59	04.55	152	49.50	Grab sample	147
152	59	37.21	152	29.08	Grab sample	70
153	59	10.70	152	31.55	no analysis	99
154	59	09.25	153	05.63	no analysis	75

Sample Stations from Lower Cook Inlet S7-77-WG  
1977

<u>Station #</u>	<u>Location</u>				<u>Type</u>	<u>Depth (m)</u>
205	58 <sup>0</sup>	58.81'	153 <sup>0</sup>	16.33'	Grab sample*	118
213	59	31.10	152	31.30	Grab sample*	63
214	59	30.70	152	31.30	Grab sample*	63
215	59	10.40	152	25.40	Gravity core*	115
247 (BV1)	59	32.33	152	41.17	Grab sample*	58
248 (BV2)	59	32.04	152	39.50	Grab sample*	62
249 (BV3 A&B)	59	31.15	152	38.56	Grab sample*	69
250 (BV4 A&B)	59	31.19	152	38.48	Grab sample*	69
251 (BV5 A&B)	59	30.83	152	38.91	Grab sample*	62
252 (BV6 A&B)	59	32.67	152	38.11	Grab sample*	73
253 (BV7 A&B)	59	30.44	152	36.90	Grab sample*	60

BV station were taken from the ship BIG VALLEY around the drilling rig OCEAN RANGER to determine to what depth drill cuttings were burried in sand bodies by migrating sands.

\*Individual sediment analyses were not completed on these samples. Samples representing these locations were collected during previous or later cruises.

Lower Cook Inlet Samples from S8-78-WG  
1978

<u>Station #</u>	<u>Location</u>		<u>Type</u>	<u>Depth (m)</u>
300	59° 34.96'	152° 02.66'	Grab sample	36
302	59 36.13	152 18.23	Grab sample	56
303	59 33.45	152 35.15	Grab sample	77
305	59 30.80	152 30.00	Grab sample	57
306	59 30.75	152 30.00	Grab sample	58
310	59 30.98	152 30.00	Grab sample	52
311	59 30.59	152 30.28	no analysis	55
312	59 30.12	152 31.02	Grab sample	55
314	59 27.54	152 38.32	Gravity core	56
315	59 25.71	153 19.25	Gravity core	42
316	59 21.93	153 13.73	Gravity core	47
318	59 09.90	152 38.54	Grab sample	137
319	59 13.59	152 38.46	Grab sample	79
320	59 17.64	152 39.99	Grab sample	71
321	59 22.81	152 38.00	Grab sample	64
322	59 31.09	152 38.35	Grab sample	67
323	59 30.88	152 38.86	Grab sample	65
326	59 32.80	152 25.31	Grab sample	55
327	59 33.84	152 25.01	Grab sample	55

Lower Cook Inlet samples collected during cruise S8-79-WG  
1979

<u>sample #</u>	<u>latitude</u>	<u>longitude</u>	<u>depth(m)</u>	<u>type/description</u>
401	059° 33.17'	-152° 07.49'	38	no analysis
402	059 34.36'	-152 12.78	45	no analysis
404	059 31.17	-153 07.59	39	grab van veen S4 gray, silty mud
405	059 28.21	-153 11.82	35	grab S1 cohesive gray mud, silty, mussy top, not much hash
406	059 27.42	-152 38.04	55-64	vibracore V1,V2,V5,V7 testing vibracore, sandy material
407	058 52.67	-152 55.38	171	gravity G1 gray-to-green sandy mud
408	058 52.48	-152 56.02	168	gravity G1 gray-to-green sandy mud
409	058 55.62	-152 56.98	171	gravity G1 gray-to-green sandy mud
410	058 55.33	-152 57.52	172	gravity G1 gray-to-green sandy mud
411	058 53.89	-152 58.39	167	gravity G1 gray-to-green sandy mud
412	058 52.39	-152 57.85	167	gravity G1 gray-to-green sandy mud
414	059 27.27	-152 33.23	65	vibracore V1
414	059 27.61	-152 33.22	65	vibracore V2
416	059 46.30	-152 29.05	75	vibracore V1 gravel lag
417	059 46.50	-152 28.95	80	no analysis
418	059 41.70	-152 26.07	82	grab S2 ' washed bouldery sand
418	059 41.58	-152 26.09	82	no analysis
419	059 39.86	-152 20.61	57	grab S1,S2 washed bouldery, shelly sand

<u>sample #</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Depth(m)</u>	<u>type/description</u>
420	059 <sup>0</sup> 38.95'	-152 <sup>0</sup> 45.07	32	grab S1 shelly, pebbly sand
421	059 45.06	-152 45.22	33	grab S2 slightly shelly sand
422	059 49.74	-152 37.93	34	grab S1 highly washed bouldery sand
423	059 50.14	-152 29.51	40	S1 sandy gravel
424	059 54.65	-152 14.61	70	grab S1 yellowish sand
425	059 59.88	-152 09.18	72	grab S1 gravelly sand
426	060 00.62	-151 59.84	52	grab S3 gravelly bouldery sand
427	059 50.09	-151 55.21	35	grab S2 bouldery sand
428	059 49.97	-152 06.75	45	grab S1 biotic gravel
429	059 49.88	-152 14.63	75	grab S1 gravelly sand, shell hash
430	059 49.11	-152 20.10	84	grab S1 washed sandy gravel

LOWER COOK INLET BENTHIC STATIONS  
OCCUPIED BY THE R/V MOANA WAVE  
APRIL 1976  
AND THE NOAA SHIP MILLER FREEMAN  
OCTOBER 1976

These are samples received from personnel at the University of Alaska

<u>Station #</u>	<u>Location</u>		<u>Type</u>	<u>Depth (m)</u>
C- 1	59° 00.0'	152° 00.0'	Grab sample	95
4	59 00.0	152 30.0	Grab Sample	152
5	59 00.0	152 40.0	Grab sample	151
10	59 10.0	152 14.0	Grab sample	133
11	59 08.0	152 20.0	Grab sample	116
12	59 10.0	152 24.0	Grab sample	100
13	59 10.0	152 34.0	Grab sample	113
14	59 10.3	152 45.0	Grab sample	139
15	59 10.0	152 54.0	Grab sample	139
16	59 10.0	153 04.0	Grab sample	102
18	59 10.0	153 23.7	Grab sample	35
18*	59 09.3	153 24.8	no analysis	44
19	59 15.5	152 10.7	Grab sample	110
20	59 16.0	152 22.5	Grab sample	90
23	59 16.3	152 49.5	Grab sample	91
23*	59 15.3	152 49.3	no analysis	91
24	59 16.0	152 02.0	Grab sample	56
25	59 15.9	153 08.5	Grab sample	59
26	59 15.8	153 20.0	Grab sample	42
29	59 22.0	152 10.0	Grab sample	90
30	59 22.1	152 22.2	Grab sample	82

\*sample duplication collected since 1976

<u>Station #</u>	<u>Location</u>		<u>Type</u>	<u>Depth (m)</u>
33	59 <sup>O</sup> 22.7'	153 <sup>O</sup> 07.3'	Grab sample	53
34	59 23.0	153 07.6	Grab sample	51
40	59 34.0	151 44.0	Grab sample	72
40A*	59 36.7	151 51.6	no analysis	31
41	59 33.0	151 54.0	Grab sample	53
41*	59 32.7	151 55.3	no analysis	35
42	59 33.0	152 04.0	Grab sample	40
42*	59 32.1	151 04.5	no analysis	40
43	59 33.0	152 02.0	Grab sample	45
43A*	59 28.0	152 05.0	no analysis	-
44	59 33.0	152 14.0	Grab sample	61
45	59 33.0	152 24.0	Grab sample	59
46	59 33.0	152 34.0	Grab sample	68
47A*	59 34.0	152 44.0	no analysis	59
56	59 37.0	153 02.0	Grab sample	35
56A&B*	59 37.0	153 02.0	no analysis	35
57	59 46.0	152 02.0	Grab sample	34
58	59 46.1	152 13.0	Grab sample	58
62	59 46.2	152 55.0	no analysis	26
62A*	59 49.8	152 52.3	no analysis	24

APPENDIX IIA

LOWER COOK INLET, ALASKA, SEDIMENT TEXTURAL ANALYSIS SHOWING  
SAMPLE PERCENTAGES WITH AND WITHOUT GRAVEL FRACTION

LOWER COOK INLET, ALASKA, SEDIMENT TEXTURAL ANALYSIS

STA #	percentages incl. > 2 mm fraction				percentages excl. 2 mm fraction		
	Gravel %	Sand %	Silt %	Clay %	Sand %	Silt %	Clay %
2	0.0	2.46	51.80	45.74	2.46	51.80	45.74
3	40.74	41.07	13.55	4.64	69.30	22.87	7.83
4	48.66	39.63	9.28	2.43	77.20	18.07	4.73
5	38.28	29.83	25.09	6.80	48.33	40.62	11.05
6	2.31	62.29	29.06	6.34	63.76	29.73	6.51
7	5.13	51.87	31.87	11.13	54.68	31.87	11.13
8	30.15	19.95	40.45	9.45	28.56	57.88	13.56
9	5.77	68.12	18.82	7.29	72.29	19.97	7.74
10	52.82	35.55	9.12	2.55	75.35	19.29	5.36
11	35.07	56.99	5.74	2.20	87.78	8.85	3.37
12	7.35	76.73	11.66	4.26	82.81	12.59	4.59
13	0.23	95.69	3.25	0.83	95.90	3.27	0.82
14	4.77	90.22	3.38	1.62	94.74	3.54	1.71
15	20.76	66.21	9.24	3.79	83.56	11.65	4.79
16	9.83	74.74	11.15	4.27	82.89	12.39	4.72
17	0.53	94.07	4.49	0.91	94.57	4.51	0.92
18	0.0	21.89	59.08	19.03	21.89	59.08	19.03
19	10.96	79.92	4.99	4.13	89.76	5.61	4.63
22	18.30	58.84	12.15	10.71	72.02	14.87	13.11
23	3.64	88.92	3.72	3.72	92.28	3.86	3.86
24	0.12	90.10	5.34	4.45	90.21	5.34	4.45
25	6.47	84.12	4.89	4.53	89.93	5.22	4.85
26	1.26	94.01	3.27	1.46	95.20	3.32	1.48
27	6.60	93.40	0.0	0.0	100.00	0.0	0.0
28	16.97	82.05	0.84	0.14	98.82	1.02	0.16
29	0.09	99.72	0.19	0.0	99.81	0.17	0.02
30	6.42	92.91	0.56	0.11	99.27	0.61	0.12
33	11.66	87.82	0.32	0.20	99.41	0.37	0.22
34	0.0	98.46	1.04	0.50	98.46	1.04	0.50
35	31.13	63.46	3.76	1.65	92.14	5.45	2.41
36	67.10	31.34	0.95	0.61	95.26	2.92	1.82

LOWER COOK INLET, ALASKA, SEDIMENT TEXTURAL ANALYSIS

STA #	percentages incl. > 2 mm fraction				percentages excl. 2 mm fraction		
	Gravel %	Sand %	Silt %	Clay %	Sand %	Silt %	Clay %
37	36.69	62.15	0.91	0.25	98.11	1.46	0.43
39	35.06	55.63	7.03	2.28	85.67	10.83	3.50
41	0.0	98.70	1.02	0.28	98.70	1.01	0.29
42	0.0	92.92	5.78	1.30	92.92	5.79	1.30
43	1.72	29.57	48.76	19.95	30.09	49.61	20.30
44	10.90	87.71	1.11	0.28	98.44	1.26	0.30
45	6.97	91.79	0.99	0.25	98.67	1.07	0.27
46	9.24	89.03	1.34	0.39	98.09	1.48	0.42
48	5.58	37.20	40.51	16.71	39.40	42.91	17.69
49	76.90	22.27	0.67	0.16	96.39	2.92	0.69
150	0.0	79.53	16.52	3.95	79.53	16.52	3.95
152	0.0	99.71	0.25	0.04	99.71	0.25	0.04
300	7.94	89.88	1.36	0.82	97.63	1.47	0.89
302	0.24	98.82	0.61	0.33	99.06	0.60	0.34
303	0.60	98.17	0.60	0.63	98.76	0.60	0.63
305	0.08	99.26	0.54	0.12	99.34	0.54	0.12
306	0.01	99.18	0.68	0.13	99.19	0.68	0.13
310	1.32	98.00	0.62	0.06	99.30	0.64	0.06
312	5.27	93.10	1.32	0.31	98.28	1.39	0.33
314	38.68	61.32	0.0	0.0	100.00	0.0	0.0
315	6.06	38.14	41.12	14.67	40.60	43.78	16.62
316	11.83	54.65	20.81	12.71	61.98	23.59	14.43
318	1.40	92.67	3.67	2.26	93.99	3.72	2.29
319	8.41	90.52	0.94	0.13	98.83	1.03	0.14
320	0.29	98.28	1.28	0.15	98.56	1.29	0.14
321	0.0	99.84	0.14	0.02	99.84	0.14	0.02
322	8.66	90.61	0.51	0.22	99.20	0.56	0.24
323	0.29	97.89	1.36	0.46	98.17	1.35	0.48
326	26.86	71.64	1.19	0.31	97.95	1.64	0.41
327	19.77	79.55	0.56	0.12	99.15	0.70	0.15

LOWER COOK INLET, ALASKA, SEDIMENT TEXTURAL ANALYSIS

STA #	percentages incl. > 2 mm fraction				percentages excl. 2 mm fraction		
	Gravel %	Sand %	Silt %	Clay %	Sand %	Silt %	Clay %
404	0.39	46.03	30.12	23.46	46.21	30.24	23.56
405	9.31	63.19	15.85	11.65	69.68	17.47	12.85
406	0.0	99.18	0.70	0.12	99.18	0.70	0.12
406(0-1)	0.0	84.40	11.16	2.44	86.40	11.16	2.44
406(23-27)	2.15	96.74	0.99	0.12	98.87	1.01	0.12
407	0.0	22.21	50.42	27.36	22.21	50.42	27.37
408	0.52	23.52	52.08	23.88	23.64	52.35	24.01
409	0.0	30.69	47.79	21.52	30.69	47.78	21.53
410	0.0	22.62	52.16	24.22	22.62	53.16	24.22
411	0.25	26.51	48.79	24.45	26.57	48.89	24.53
412	0.60	21.83	53.70	23.87	21.96	54.01	24.03
414	2.81	96.69	0.43	0.07	99.49	0.44	0.07
414(0-2)	1.54	97.77	0.60	0.08	99.30	0.61	0.09
414(19-21)	4.03	95.20	0.69	0.08	99.20	0.72	0.08
416	84.44	13.48	1.71	0.37	86.64	11.01	2.35
418	20.38	78.75	0.61	0.26	98.90	0.76	0.34
419	42.14	55.15	1.75	0.96	95.32	3.02	1.67
420	31.19	68.48	0.28	0.05	99.52	0.41	0.08
421	0.16	98.74	0.85	0.25	98.90	0.84	0.26
422	54.59	34.82	7.03	3.56	76.68	15.49	7.83
423	55.98	33.09	6.23	4.70	75.16	14.14	10.70
424	11.37	88.09	0.44	0.10	99.38	0.50	0.12
425	34.85	17.41	37.52	10.22	26.73	57.59	15.68
426	51.94	44.85	2.81	0.40	93.31	5.85	0.84
427	48.62	49.86	1.29	0.23	97.04	2.52	0.44
428	80.36	17.13	1.97	0.54	87.22	10.04	2.74
429	37.44	59.42	2.20	0.94	94.98	3.52	1.48
430	2.89	96.34	0.61	0.16	99.21	0.63	0.17

LOWER COOK INLET, ALASKA, SEDIMENT TEXTURAL ANALYSIS

STA #	percentages incl. > 2 mm fraction				percentages excl. 2 mm fraction		
	Gravel %	Sand %	Silt %	Clay %	Sand %	Silt %	Clay %
C-01	85.52	12.92	1.39	0.17	89.24	9.61	1.15
C-04	19.28	55.12	18.75	6.82	68.32	23.23	8.45
C-05	1.27	94.62	3.32	0.79	95.83	3.39	0.77
C-10	0.58	39.96	47.30	12.16	40.19	47.59	12.22
C-11	1.10	43.56	42.98	12.36	44.04	43.44	12.52
C-12	0.08	45.08	43.19	11.64	45.12	43.23	11.66
C-13	42.91	41.14	10.63	5.32	72.06	18.62	9.32
C-14	14.09	84.76	0.77	0.38	98.66	0.92	0.41
C-15	0.0	99.45	0.48	0.07	99.45	0.48	0.07
C-16	18.46	80.20	0.99	0.35	98.35	1.25	0.40
C-18	0.0	99.37	0.55	0.08	99.37	0.55	0.08
C-19	0.0	98.83	1.03	0.14	98.83	1.03	0.14
C-20	1.45	94.97	2.45	1.13	96.36	2.49	1.15
C-23	7.61	92.26	0.13	0.0	99.86	0.11	0.03
C-24	13.15	85.34	1.16	0.35	98.27	1.37	0.36
C-25	0.0	96.90	2.14	0.96	96.90	2.16	0.95
C-26	1.75	36.84	48.17	13.24	37.49	49.02	13.48
C-29	3.23	95.41	1.13	0.23	98.60	1.13	0.27
C-30	0.0	59.40	32.28	8.32	59.40	32.28	8.32
C-33	0.0	99.19	0.73	0.08	99.19	0.72	0.09
C-34	0.59	97.40	1.71	0.30	97.98	1.73	0.29
C-40	1.74	75.51	17.93	4.82	76.85	18.26	4.89
C-41	7.89	69.95	17.81	4.35	75.94	19.31	4.74
C-42	7.32	70.09	18.72	3.87	75.62	20.20	4.18
C-43	0.09	46.92	43.16	9.83	46.97	43.18	9.85
C-44	0.0	59.23	30.93	9.84	59.23	30.93	9.84
C-45	0.57	85.92	10.49	3.02	86.42	10.53	3.05
C-46	0.09	89.58	7.99	2.34	89.66	7.98	2.36
C-56	0.0	77.11	15.70	7.19	77.11	15.70	7.19
C-57	0.0	45.82	37.49	16.69	45.82	37.49	16.69
C-58	0.0	81.40	11.27	7.33	81.40	11.27	7.33

## APPENDIX IIB

COMPUTER ANALYSES OF LESS THAN 2 mm FRACTION OF SAMPLES  
COLLECTED IN LOWER COOK INLET, ALASKA, WITH STATISTICAL  
PARAMETERS AND GRAIN-SIZE DATA

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

2  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	13.030	GRAMS
CLAY AND SILT WEIGHT	12.710	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	0.320	GRAMS
GRAVEL GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.783  
MODE (PHI) 8.085

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
7.670	1.831	-0.106	0.879

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
7.614	1.911	-0.089	0.512
		-0.186	

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
7.647	1.758	-0.136	-0.728

## COMPOSITE SIZE ANALYSIS 2

GRAVEL WT.	0.0	SAND WT.	0.32	SILT WT.	6.75	CLAY WT.	5.96
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GRAVEL PCT	0.0	SAND PCT	2.46	SILT PCT	51.80	CLAY PCT	45.74
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	0.02	SILT-CLAY RATIO	1.13
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
3.500	0.0	0.0	0.0	0.0
4.000	0.320	0.320	2.460	2.460
4.500	0.300	0.620	2.270	4.730
5.000	0.460	1.070	3.520	8.250
5.500	0.700	1.770	5.330	13.580
6.000	0.780	2.550	5.970	19.550
6.500	0.990	3.530	7.570	27.120
7.000	1.090	4.620	8.330	35.450
7.500	1.170	5.790	8.990	44.440
8.000	1.280	7.070	9.820	54.260
8.500	1.350	8.420	10.370	64.630
9.000	1.210	9.630	9.310	73.940
9.500	1.260	10.890	9.660	83.600
10.000	1.070	11.960	8.210	91.810
10.500	0.650	12.620	5.020	96.830
11.000	0.410	13.030	3.170	100.000

ONE PERCENTILE	3.703
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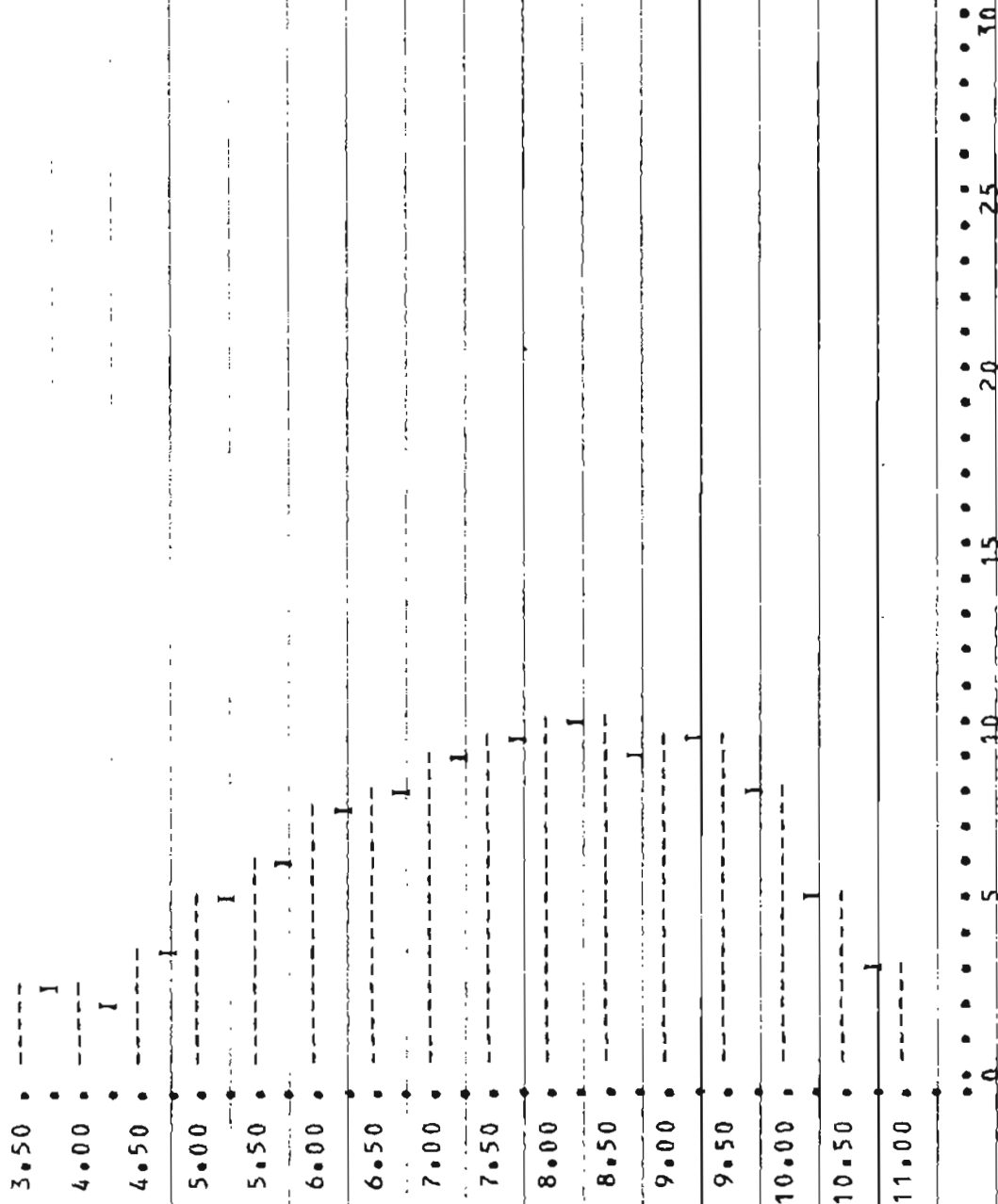
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	4.538
16	5.703
25	6.360
50	7.783
75	9.055
84	9.524
95	10.318

PHI

2

SAMPLE NUMBER



FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

3  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	27.370	GRAMS
CLAY AND SILT WEIGHT	4.980	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	11.240	GRAMS
Gravel GREATER THAN 2 MM.	11.15	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.734  
MODE (PHI) -0.865

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.473	3.167	0.392	0.865

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.842	3.415	0.325	0.411
		0.649	

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.687	3.055	0.386	-0.427

# COMPOSITE SIZE ANALYSIS 3

GRAVEL WT.	0.0	SAND WT.	11.24	SILT WT.	3.71	CLAY WT.	1.27
GRAVEL PCT	0.0	SAND PCT	69.30	SILT PCT	22.87	CLAY PCT	7.83
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	2.26	SILT-CLAY RATIO		2.92			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	3.030	3.030	18.710	18.710
0.0	0.450	3.480	2.770	21.480
0.500	1.120	4.610	6.930	28.410
1.000	1.010	5.620	6.240	34.650
1.500	1.910	7.530	11.780	46.430
2.000	1.240	8.770	7.620	54.050
2.500	0.790	9.550	4.850	58.900
3.000	0.670	10.230	4.160	63.060
3.500	0.560	10.790	3.470	66.530
4.000	0.450	11.240	2.770	69.300
4.500	0.570	11.810	3.530	72.830
5.000	0.550	12.360	3.400	76.230
5.500	0.430	12.790	2.640	78.870
6.000	0.610	13.400	3.730	82.600
6.500	0.440	13.840	2.720	85.320
7.000	0.400	14.240	2.450	87.770
7.500	0.360	14.600	2.240	90.010
8.000	0.350	14.950	2.160	92.170
8.500	0.320	15.270	1.950	94.120
9.000	0.260	15.530	1.630	95.750
9.500	0.260	15.790	1.590	97.340
10.000	0.210	16.000	1.320	98.660
10.500	0.130	16.140	0.820	99.480
11.000	0.080	16.220	0.520	100.000

ONE PERCENTILE -0.973

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.866
16	-0.572
25	0.254
50	1.734
75	4.819
84	6.257
95	8.770

PH.1

SAMPLE NUMBER

3

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0  
5  
10  
15  
20  
25  
30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

4  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	32.120	GRAMS
CLAY AND SILT WEIGHT	3.760	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	12.730	GRAMS
Gravel GREATER THAN 2 MM.	15.63	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.471  
MODE (PHI) 1.192

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.026	2.652	0.393	1.340

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.304	2.660	0.313 0.775	0.640

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY FLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.168	2.615	0.598	0.826

# COMPOSITE SIZE ANALYSIS 4

GRAVEL WT.	0.0	SAND WT.	12.73	SILT WT.	2.98	CLAY WT.	0.78
GRAVEL PCT	0.0	SAND PCT	77.20	SILT PCT	18.07	CLAY PCT	4.73
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	3.39	SILT-CLAY RATIO		3.82			

FHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	2.420	2.420	14.670	14.670
0.0	0.760	3.180	4.630	19.300
0.500	1.150	4.330	6.950	26.250
1.000	1.400	5.730	8.490	34.740
1.500	2.670	8.400	16.210	50.950
2.000	2.290	10.690	13.900	64.850
2.500	1.270	11.970	7.720	72.570
3.000	0.380	12.350	2.310	74.880
3.500	0.130	12.480	0.770	75.650
4.000	0.250	12.730	1.550	77.200
4.500	0.620	13.350	3.790	80.990
5.000	0.530	13.890	3.240	84.230
5.500	0.450	14.340	2.760	86.990
6.000	0.360	14.700	2.150	89.140
6.500	0.310	15.010	1.860	91.000
7.000	0.270	15.270	1.620	92.620
7.500	0.220	15.500	1.360	93.980
8.000	0.210	15.710	1.290	95.270
8.500	0.200	15.910	1.210	96.480
9.000	0.160	16.070	0.970	97.450
9.500	0.160	16.230	0.950	98.400
10.000	0.130	16.350	0.780	99.180
10.500	0.080	16.440	0.500	99.680
11.000	0.050	16.490	0.320	100.000

ONE PERCENTILE -0.966

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.830
16	-0.356
25	0.410
50	1.471
75	3.078
84	4.965
95	7.895

SAMPLE 37844R

~~SECRET~~

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

5  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.270	GRAMS
CLAY AND SILT WEIGHT	7.740	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	7.240	GRAMS
Gravel GREATER THAN 2 MM.	9.29	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 4.096  
MODE (PHI) 1.541

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.054	3.070	0.010	0.894

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.034	3.129	-0.020 0.062	0.588

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.911	2.988	0.137	-0.831

## COMPOSITE SIZE ANALYSIS 5

GRAVEL WT.	0.0	SAND WT.	7.24	SILT WT.	6.09	CLAY WT.	1.65
GRAVEL PCT	0.0	SAND PCT	48.33	SILT PCT	40.62	CLAY PCT	11.05
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.04	SILT-CLAY RATIO		3.68			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.160	1.160	7.730	7.730
0.0	0.360	1.520	2.420	10.150
0.500	0.290	1.810	1.930	12.080
1.000	0.720	2.530	4.840	16.920
1.500	1.300	3.840	8.700	25.620
2.000	1.450	5.290	9.660	35.280
2.500	0.720	6.010	4.830	40.110
3.000	0.650	6.660	4.350	44.460
3.500	0.220	6.880	1.450	45.910
4.000	0.360	7.240	2.420	48.330
4.500	1.300	8.540	8.690	57.020
5.000	1.000	9.540	6.660	63.680
5.500	0.920	10.460	6.140	69.820
6.000	0.750	11.210	5.010	74.830
6.500	0.650	11.860	4.370	79.200
7.000	0.570	12.430	3.780	82.980
7.500	0.470	12.900	3.140	86.120
8.000	0.420	13.330	2.830	88.950
8.500	0.400	13.730	2.680	91.630
9.000	0.330	14.060	2.230	93.860
9.500	0.330	14.390	2.210	96.070
10.000	0.280	14.670	1.870	97.940
10.500	0.190	14.860	1.240	99.180
11.000	0.120	14.980	0.820	100.000

ONE PERCENTILE -0.935

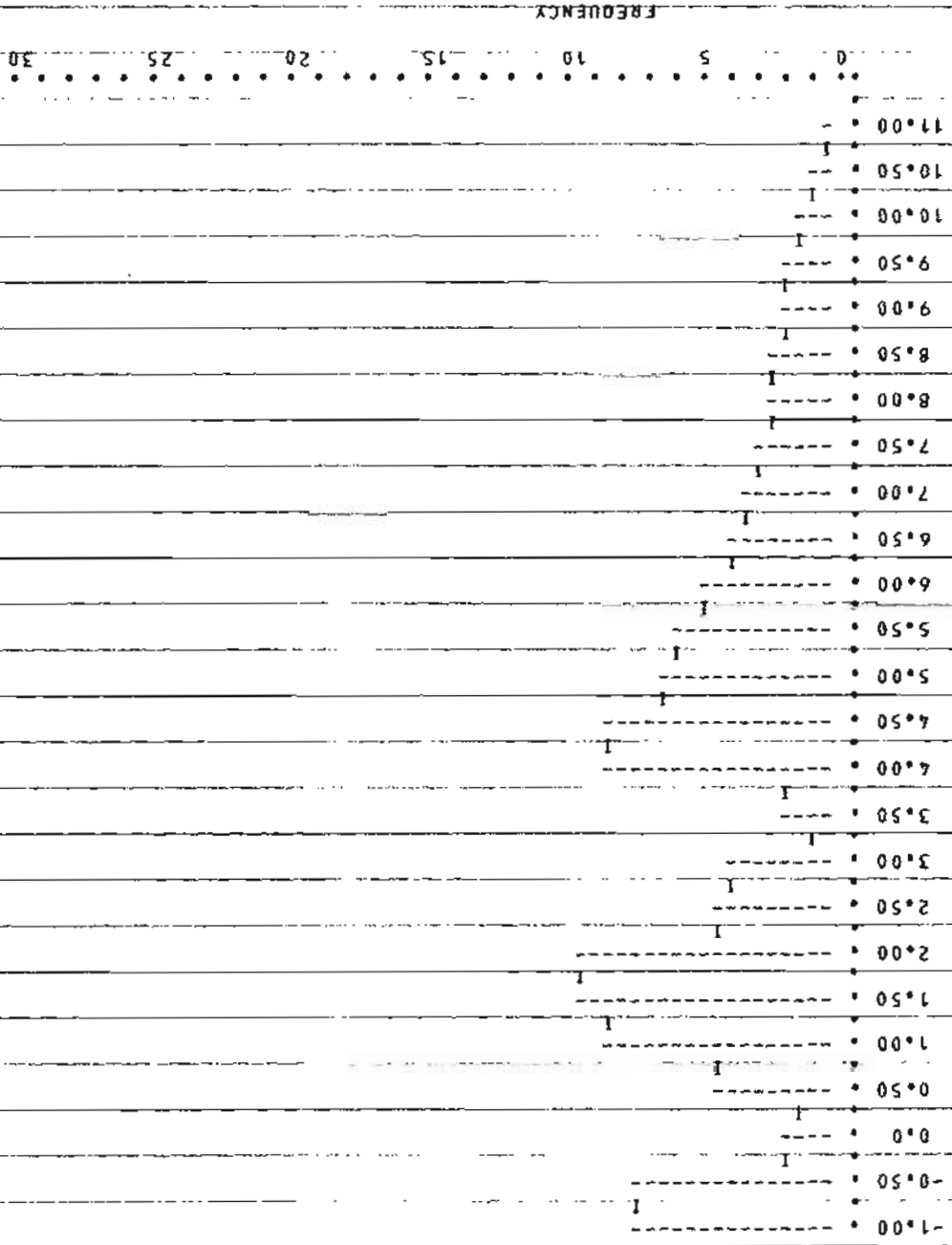
PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.677
16	0.905
25	1.464
50	4.096
75	6.019
84	7.162
95	9.258

PHI

5

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

6  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	29.010	GRAMS
CLAY AND SILT WEIGHT	10.270	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	18.070	GRAMS
GRAVEL GREATER THAN 2 MM.	0.67	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.343  
MODE (PHI) 2.647

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.844	1.903	0.466	1.326

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.094	1.724	0.435 0.990	0.992

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.964	2.002	0.651	1.286

## COMPOSITE SIZE ANALYSIS 6

GRAVEL WT.	0.0	SAND WT.	18.07	SILT WT.	8.43	CLAY WT.	1.84
GRAVEL PCT	0.0	SAND PCT	63.76	SILT PCT	29.73	CLAY PCT	6.51
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	1.76			SILT-CLAY RATIO	4.57		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	1.080	1.080	3.830	3.830
2.000	1.450	2.530	5.100	8.930
2.500	2.710	5.240	9.560	18.490
3.000	6.320	11.560	22.320	40.810
3.500	3.790	15.360	13.390	54.200
4.000	2.710	18.070	9.560	63.760
4.500	2.310	20.380	8.160	71.920
5.000	1.620	22.000	5.720	77.640
5.500	1.210	23.210	4.260	81.900
6.000	0.940	24.150	3.300	85.200
6.500	0.740	24.880	2.610	87.810
7.000	0.610	25.500	2.160	89.970
7.500	0.510	26.010	1.800	91.770
8.000	0.490	26.500	1.720	93.490
8.500	0.440	26.940	1.560	95.050
9.000	0.370	27.310	1.320	96.370
9.500	0.380	27.690	1.330	97.700
10.000	0.320	28.010	1.120	98.820
10.500	0.200	28.210	0.720	99.540
11.000	0.130	28.340	0.460	100.000

ONE PERCENTILE 1.131

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.615
16	2.370
25	2.646
50	3.343
75	4.769
84	5.818
95	8.484

PHI

6  
SAMPLE NUMBER

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 5 10 15 20 25 30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

7  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	27.050	GRAMS
CLAY AND SILT WEIGHT	11.630	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	14.032	GRAMS
GRAVEL GREATER THAN 2 MM.	1.39	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.874  
MODE (PHI) 3.182

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.764	2.083	0.624	0.916

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.208	2.159	0.618 0.967	0.534

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.845	2.114	0.512	-0.068

# COMPOSITE SIZE ANALYSIS 7

GRAVEL WT.	0.0	SAND WT.	14.03	SILT WT.	8.62	CLAY WT.	3.01
GRAVEL PCT	0.0	SAND PCT	54.68	SILT PCT	33.61	CLAY PCT	11.71
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	1.21	SILT-CLAY RATIO		2.87			

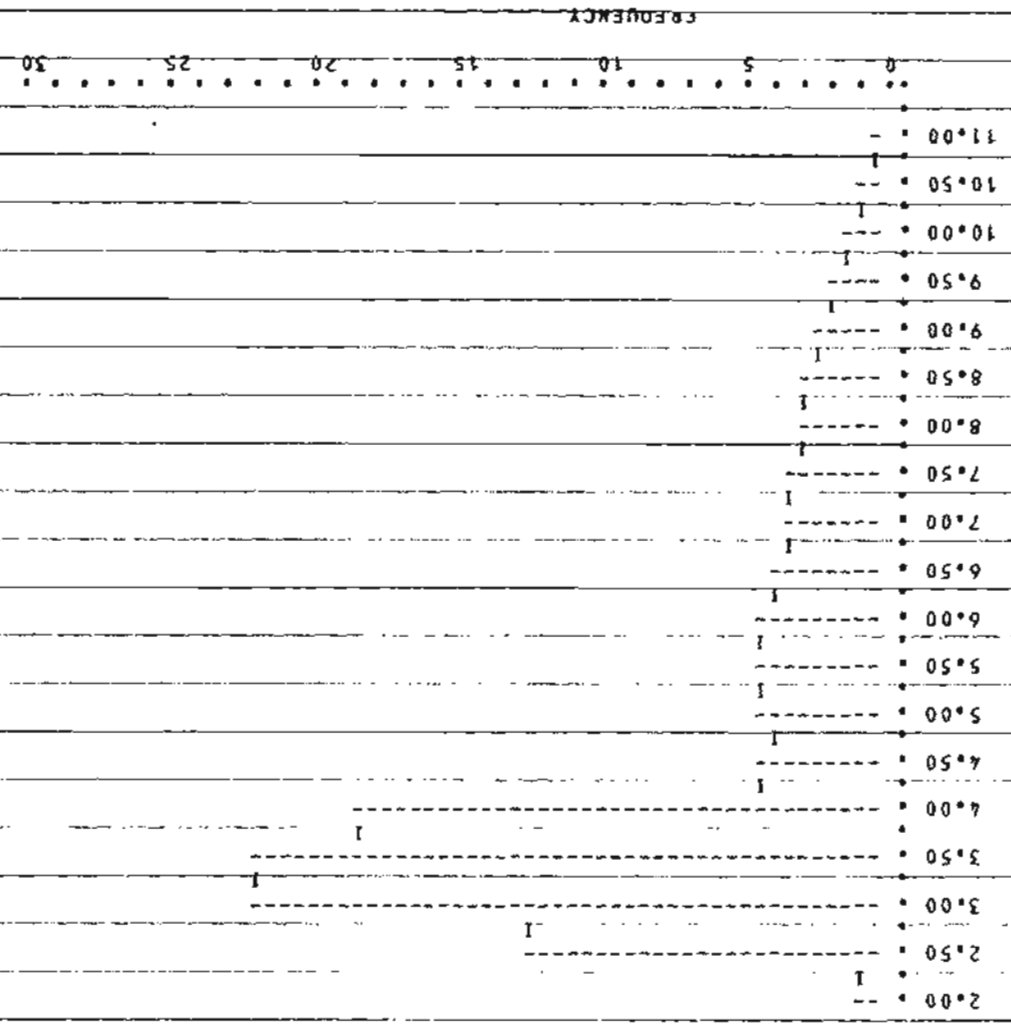
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.310	0.310	1.200	1.200
3.000	3.240	3.550	12.620	13.820
3.500	5.710	9.250	22.230	36.050
4.000	4.780	14.030	18.630	54.680
4.500	1.240	15.270	4.840	59.520
5.000	1.090	16.360	4.230	63.750
5.500	1.230	17.590	4.780	68.530
6.000	1.190	18.770	4.630	73.160
6.500	1.110	19.880	4.310	77.470
7.000	1.010	20.890	3.930	81.400
7.500	0.910	21.800	3.540	84.940
8.000	0.860	22.660	3.350	88.290
8.500	0.760	23.420	2.970	91.260
9.000	0.630	24.050	2.460	93.720
9.500	0.600	24.650	2.340	96.060
10.000	0.500	25.150	1.950	98.010
10.500	0.310	25.470	1.220	99.230
11.000	0.200	25.660	0.770	100.000

ONE PERCENTILE 2.417

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5	2.651
16	3.049
25	3.251
50	3.874
75	6.213
84	7.367
95	9.274

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

8  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	20.000	GRAMS
CLAY AND SILT WEIGHT	9.980	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	3.990	GRAMS
GRAVEL GREATER THAN 2 MM.	6.03	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.145  
MODE (PHI) 5.062

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.019	2.699	-0.044	1.147

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.956	2.724	-0.069	0.619
		-0.031	

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.067	2.577	-0.062	-0.271

# COMPOSITE SIZE ANALYSIS 8

GRAVEL WT.	0.0	SAND WT.	3.99	SILT WT.	8.09	CLAY WT.	1.89
GRAVEL PCT	0.0	SAND PCT	28.56	SILT PCT	57.88	CLAY PCT	13.56
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.40	SILT-CLAY RATIO		4.27			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.440	0.440	3.140	3.140
0.0	0.080	0.520	0.570	3.710
0.500	0.120	0.640	0.860	4.570
1.000	0.200	0.840	1.430	6.000
1.500	0.480	1.320	3.430	9.430
2.000	0.680	1.990	4.850	14.280
2.500	0.520	2.510	3.710	17.990
3.000	0.560	3.070	4.000	21.990
3.500	0.400	3.470	2.860	24.850
4.000	0.520	3.990	3.710	28.560
4.500	1.120	5.110	8.050	36.610
5.000	1.430	6.540	10.210	46.820
5.500	1.530	8.070	10.970	57.790
6.000	1.210	9.280	8.650	66.440
6.500	0.950	10.230	6.720	73.210
7.000	0.730	10.960	5.220	78.430
7.500	0.590	11.540	4.200	82.630
8.000	0.530	12.080	3.810	86.440
8.500	0.460	12.530	3.280	89.720
9.000	0.380	12.920	2.760	92.480
9.500	0.370	13.290	2.670	95.150
10.000	0.310	13.610	2.250	97.400
10.500	0.220	13.820	1.550	98.950
11.000	0.150	13.970	1.050	100.000

ONE PERCENTILE -0.841

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5	0.650
16	2.232
25	3.520
50	5.145
75	6.671
84	7.680
95	9.472

SAMPLE NUMBER

8

PHI

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0  
5  
10  
15  
20  
25  
30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

9  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	27.040	GRAMS
CLAY AND SILT WEIGHT	7.060	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	18.420	GRAMS
GRAVEL GREATER THAN 2 MM.	1.56	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.972  
MODE (PHI) 1.638

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.220	2.339	0.779	1.100

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.844	2.333	0.802 1.255	0.659

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.166	2.523	0.660	0.684

# COMPOSITE SIZE ANALYSIS 9

GRAVEL WT.	0.0	SAND WT.	18.42	SILT WT.	5.09	CLAY WT.	1.97
GRAVEL PCT	0.0	SAND PCT	72.29	SILT PCT	19.97	CLAY PCT	7.74
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	2.61			SILT-CLAY RATIO	2.58		

PHI.	GRADE WT.	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.370	0.370	1.450	1.450
0.0	0.0	0.370	0.0	1.450
0.500	0.370	0.740	1.440	2.890
1.000	0.370	1.110	1.450	4.340
1.500	2.760	3.870	10.840	15.180
2.000	9.390	13.260	36.870	52.050
2.500	4.050	17.310	15.900	67.950
3.000	0.740	18.050	2.900	70.850
3.500	0.180	18.240	0.720	71.570
4.000	0.180	18.420	0.720	72.290
4.500	0.670	19.090	2.620	74.910
5.000	0.690	19.770	2.690	77.600
5.500	0.750	20.520	2.930	80.530
6.000	0.650	21.170	2.570	83.100
6.500	0.650	21.820	2.550	85.650
7.000	0.600	22.420	2.360	88.010
7.500	0.550	22.970	2.140	90.150
8.000	0.540	23.510	2.110	92.260
8.500	0.510	24.020	2.010	94.270
9.000	0.340	24.360	1.350	95.620
9.500	0.370	24.740	1.470	97.090
10.000	0.320	25.060	1.250	98.340
10.500	0.240	25.290	0.920	99.260
11.000	0.190	25.480	0.740	100.000

ONE PERCENTILE -0.655

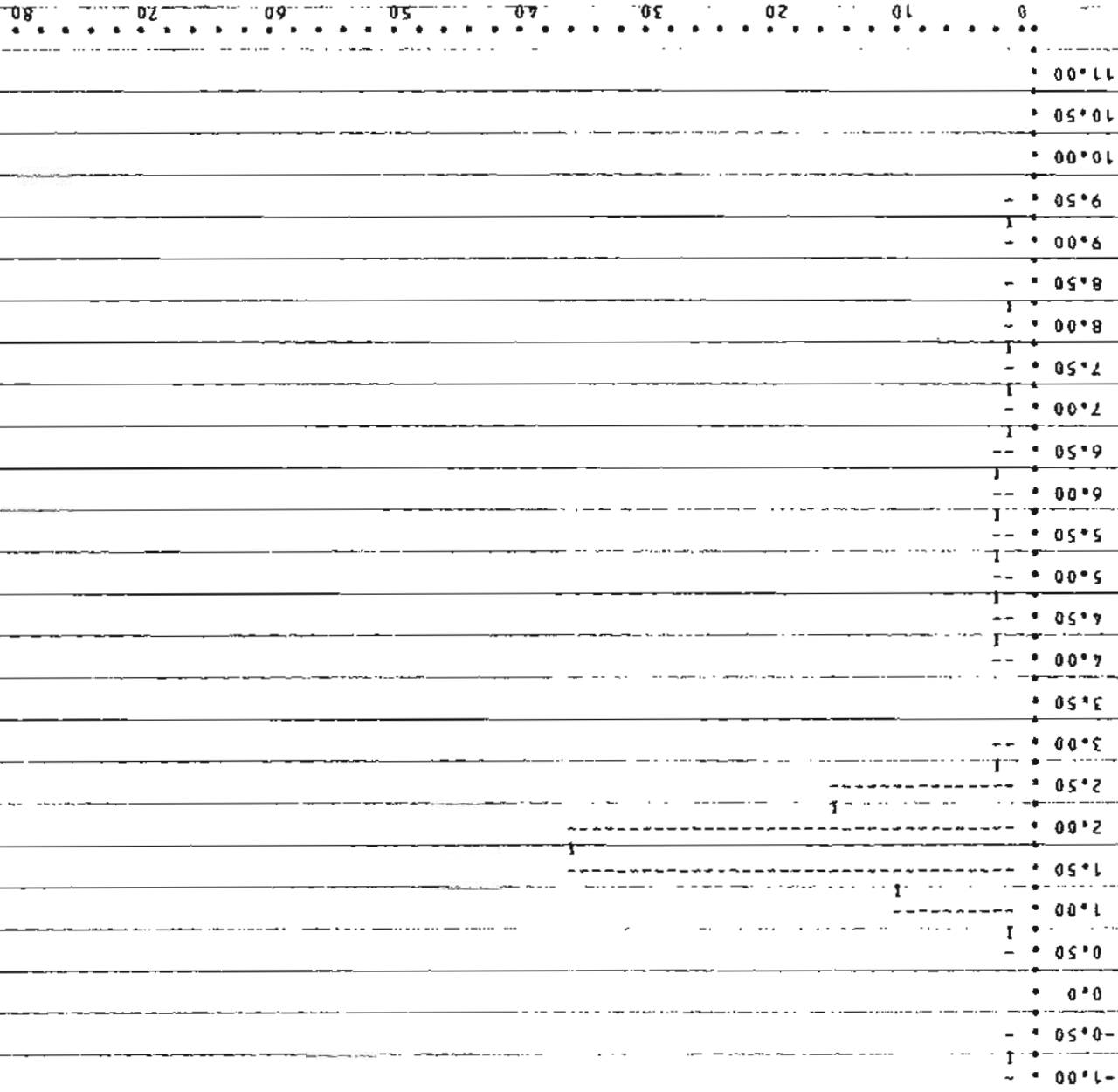
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.030
16	1.511
25	1.633
50	1.972
75	4.517
84	6.176
95	8.770

SAMPLE NUMBER

9

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

10  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	29.060	GRAMS
CLAY AND SILT WEIGHT	3.380	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	10.330	GRAMS
DETRITUS GREATER THAN 2 MM.	15.35	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.868  
MODE (PHI) 1.625

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.430	2.592	0.374	1.344

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.712	2.488	0.339 0.730	0.788

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.557	2.558	0.547	0.754

# COMPOSITE SIZE ANALYSIS 10

GRAVEL WT.	0.0	SAND WT.	10.33	SILT WT.	2.65	CLAY WT.	0.74
GRAVEL PCT	0.0	SAND PCT	75.35	SILT PCT	19.29	CLAY PCT	5.36
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	3.06	SILT-CLAY RATIO		3.60			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.450	1.450	10.550	10.550
0.0	0.520	1.960	3.770	14.320
0.500	0.520	2.480	3.760	18.080
1.000	0.310	2.790	2.260	20.340
1.500	1.860	4.650	13.570	33.910
2.000	3.000	7.640	21.850	55.760
2.500	1.860	9.500	13.560	69.320
3.000	0.310	9.810	2.260	71.580
3.500	0.310	10.120	2.260	73.840
4.000	0.210	10.330	1.510	75.350
4.500	0.580	10.910	4.200	79.550
5.000	0.460	11.360	3.320	82.870
5.500	0.390	11.750	2.830	85.700
6.000	0.320	12.070	2.310	88.010
6.500	0.270	12.330	1.940	89.950
7.000	0.230	12.570	1.720	91.670
7.500	0.210	12.780	1.540	93.210
8.000	0.200	12.970	1.430	94.640
8.500	0.190	13.160	1.350	95.990
9.000	0.150	13.310	1.110	97.100
9.500	0.150	13.460	1.080	98.180
10.000	0.120	13.580	0.880	99.060
10.500	0.080	13.660	0.590	99.650
11.000	0.050	13.710	0.350	100.000

ONE PERCENTILE -0.953

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.763
16	0.223
25	1.172
50	1.868
75	3.884
84	5.200
95	8.133

SAMPLE NUMBER

10

pH

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0

5

10

15

20

25

30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

11  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	22.300	GRAMS
CLAY AND SILT WEIGHT	1.770	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	12.710	GRAMS
DETRITUS GREATER THAN 2 MM.	7.82	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.287  
MODE (PHI) 2.086

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.447	1.251	0.501	2.450

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.527	0.809	0.297 2.436	2.457

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.772	1.706	1.228	6.196

## COMPOSITE SIZE ANALYSIS 11

GRAVEL WT.	0.0	SAND WT.	12.71	SILT WT.	1.28	CLAY WT.	0.49
GRAVEL PCT	0.0	SAND PCT	87.78	SILT PCT	8.85	CLAY PCT	3.37
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	7.18			SILT-CLAY RATIO	2.62		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.0	0.0	0.0	0.0	0.0
0.500	0.190	0.190	1.320	1.320
1.000	0.060	0.250	0.440	1.760
1.500	0.510	0.760	3.510	5.270
2.000	3.560	4.320	24.570	29.840
2.500	5.080	9.410	35.110	64.950
3.000	2.160	11.570	14.930	79.880
3.500	0.890	12.460	6.140	86.020
4.000	0.250	12.710	1.760	87.780
4.500	0.170	12.880	1.190	88.970
5.000	0.190	13.070	1.320	90.290
5.500	0.210	13.280	1.420	91.710
6.000	0.170	13.450	1.190	92.900
6.500	0.150	13.610	1.060	93.960
7.000	0.140	13.740	0.950	94.910
7.500	0.130	13.870	0.870	95.780
8.000	0.120	13.990	0.850	96.630
8.500	0.120	14.110	0.800	97.430
9.000	0.100	14.210	0.720	98.150
9.500	0.100	14.310	0.700	98.850
10.000	0.080	14.400	0.570	99.420
10.500	0.050	14.450	0.360	99.780
11.000	0.030	14.480	0.220	100.000

ONE PERCENTILE 0.329

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.462
16	1.718
25	1.902
50	2.287
75	2.837
84	3.336
95	7.052

SAMPLE NUMBER

11

PHI

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

12  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.620	GRAMS
CLAY AND SILT WEIGHT	3.920	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	18.890	GRAMS
DETRITUS GREATER THAN 2 MM.	1.81	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.329  
MODE (PHI) 2.090

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.776	1.871	0.453	2.450

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.000	1.410	0.476 1.173	1.728

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.869	2.104	0.748	2.546

## COMPOSITE SIZE ANALYSIS 12

GRAVEL WT.	0.0	SAND WT.	18.89	SILT WT.	2.87	CLAY WT.	1.05
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GRAVEL PCT	0.0	SAND PCT	82.81	SILT PCT	12.59	CLAY PCT	4.59
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	4.82	SILT-CLAY RATIO	2.74
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.940	0.940	4.140	4.140
0.0	0.090	1.040	0.410	4.550
0.500	0.380	1.420	1.660	6.210
1.000	0.280	1.700	1.240	7.450
1.500	1.130	2.830	4.970	12.420
2.000	4.530	7.370	19.880	32.300
2.500	6.140	13.510	26.910	59.210
3.000	3.310	16.810	14.500	73.710
3.500	1.420	18.230	6.210	79.920
4.000	0.660	18.890	2.890	82.810
4.500	0.330	19.220	1.450	84.260
5.000	0.400	19.620	1.760	86.020
5.500	0.480	20.100	2.090	88.110
6.000	0.380	20.480	1.690	89.800
6.500	0.360	20.850	1.600	91.400
7.000	0.340	21.190	1.500	92.900
7.500	0.300	21.490	1.300	94.200
8.000	0.270	21.760	1.210	95.410
8.500	0.260	22.020	1.120	96.530
9.000	0.220	22.240	0.960	97.490
9.500	0.210	22.450	0.930	98.420
10.000	0.180	22.630	0.790	99.210
10.500	0.110	22.740	0.490	99.700
11.000	0.070	22.810	0.300	100.000

ONE PERCENTILE -0.879

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	0.136
16	1.590
25	1.816
50	2.329
75	3.104
84	4.410
95	7.831

## COMPOSITE SIZE ANALYSIS 13

GRAVEL WT.	0.0	SAND WT.	25.29	SILT WT.	0.86	CLAY WT.	0.22
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GRAVEL PCT	0.0	SAND PCT	95.90	SILT PCT	3.27	CLAY PCT	0.82
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	23.42	SILT-CLAY RATIO	3.99
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.0	0.0	0.0	0.0	0.0
0.500	0.130	0.130	0.480	0.480
1.000	0.130	0.250	0.480	0.960
1.500	0.130	0.380	0.480	1.440
2.000	0.250	0.630	0.960	2.400
2.500	18.590	19.220	70.490	72.890
3.000	4.430	23.650	16.780	89.670
3.500	1.140	24.780	4.320	93.990
4.000	0.510	25.290	1.910	95.900
4.500	0.140	25.430	0.520	96.420
5.000	0.150	25.580	0.570	96.990
5.500	0.180	25.760	0.680	97.670
6.000	0.130	25.890	0.500	98.170
6.500	0.090	25.980	0.340	98.510
7.000	0.070	26.040	0.260	98.770
7.500	0.050	26.100	0.210	98.980
8.000	0.050	26.150	0.200	99.180
8.500	0.050	26.200	0.180	99.360
9.000	0.040	26.250	0.170	99.530
9.500	0.040	26.290	0.170	99.700
10.000	0.040	26.330	0.140	99.840
10.500	0.020	26.350	0.100	99.940
11.000	0.020	26.370	0.060	100.000

CME PERCENTILE	1.042
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## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.018
16	2.096
25	2.160
50	2.338
75	2.563
84	2.831
95	3.764

PHI

12

SAMPLE NUMBER

-1.00

-0.50

0.00

0.50

1.00

1.50

2.00

2.50

3.00

3.50

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5.00

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10.00

10.50

11.00

FREQUENCY

0  
5  
10  
15  
20  
25  
30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

13  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	26.430	GRAMS
CLAY AND SILT WEIGHT	1.080	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	25.290	GRAMS
DETRITUS GREATER THAN 2 MM.	0.06	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.338  
MODE (PHI) 2.141

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.422	0.448	0.489	1.777

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.464	0.367	0.343 1.508	1.377

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.546	0.939	2.259	26.706

SAMPLE NUMBER

0.0

0.50

1.00

1.50

2.00

2.50

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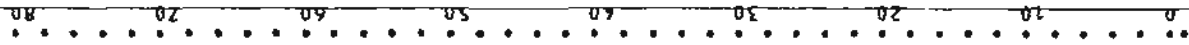
9.00

9.50

10.00

10.50

11.00



FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

14  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	21.580	GRAMS
CLAY AND SILT WEIGHT	1.080	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	19.470	GRAMS
DETRITUS GREATER THAN 2 MM.	1.03	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.884  
MODE (PHI) 1.666

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.948	0.830	0.193	2.941

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.980	0.411	0.234 0.767	4.017

VERBALIZATION OF FOLK PARAMETERS

MODERATELY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.084	1.411	1.411	12.823

## COMPOSITE SIZE ANALYSIS 14

GRAVEL WT.	0.0	SAND WT.	19.47	SILT WT.	0.73	CLAY WT.	0.35
GRAVEL PCT	0.0	SAND PCT	94.74	SILT PCT	3.54	CLAY PCT	1.71
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	18.03			SILT-CLAY RATIO	2.07		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.780	0.780	3.790	3.790
0.0	0.190	0.970	0.950	4.740
0.500	0.190	1.170	0.940	5.680
1.000	0.190	1.360	0.950	6.630
1.500	0.390	1.750	1.900	8.530
2.000	11.100	12.850	54.000	62.530
2.500	5.650	18.500	27.480	90.010
3.000	0.390	18.890	1.890	91.900
3.500	0.190	19.080	0.950	92.850
4.000	0.390	19.470	1.890	94.740
4.500	0.100	19.570	0.500	95.240
5.000	0.110	19.680	0.540	95.780
5.500	0.120	19.800	0.580	96.360
6.000	0.090	19.890	0.450	96.810
6.500	0.080	19.970	0.390	97.200
7.000	0.070	20.050	0.370	97.570
7.500	0.070	20.120	0.340	97.910
8.000	0.080	20.200	0.380	98.290
8.500	0.080	20.280	0.380	98.670
9.000	0.070	20.350	0.350	99.020
9.500	0.070	20.420	0.350	99.370
10.000	0.060	20.480	0.280	99.650
10.500	0.040	20.520	0.200	99.850
11.000	0.030	20.550	0.150	100.000

ONE PERCENTILE -0.868

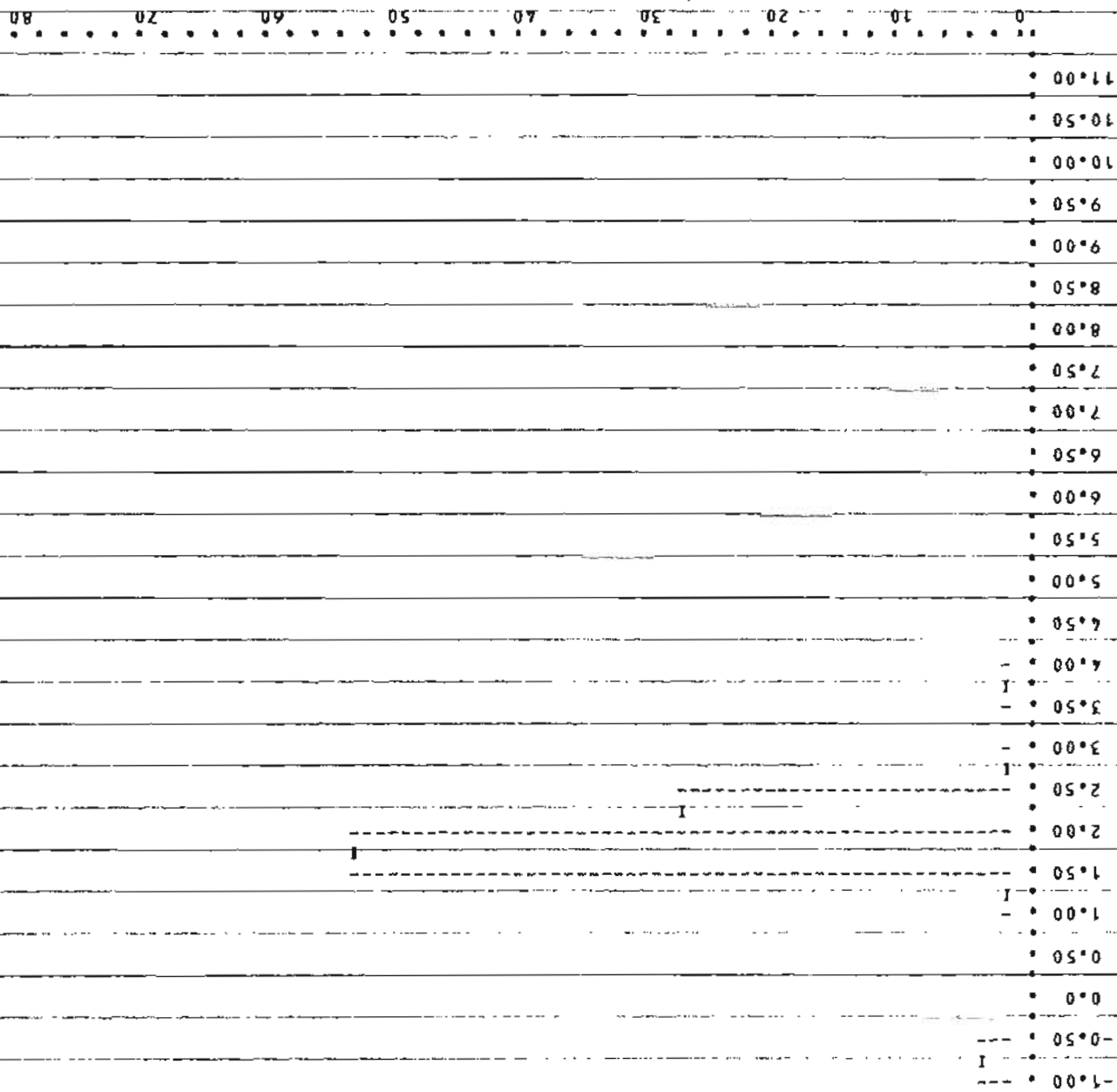
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	0.138
16	1.569
25	1.653
50	1.884
75	2.227
84	2.391
95	4.260

PHI

14

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

15  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	19.270	GRAMS
CLAY AND SILT WEIGHT	2.510	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	12.760	GRAMS
DETRITUS GREATER THAN 2 MM.	4.00	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.366  
MODE (PHI) 2.116

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.799	1.539	0.653	2.352

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.016	1.144	0.569 2.057	1.792

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.055	1.940	0.996	3.694

## COMPOSITE SIZE ANALYSIS 15

GRAVEL WT.	0.0	SAND WT.	12.76	SILT WT.	1.78	CLAY WT.	0.73
GRAVEL PCT	0.0	SAND PCT	83.56	SILT PCT	11.65	CLAY PCT	4.79
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	5.08	SILT-CLAY RATIO		2.43			

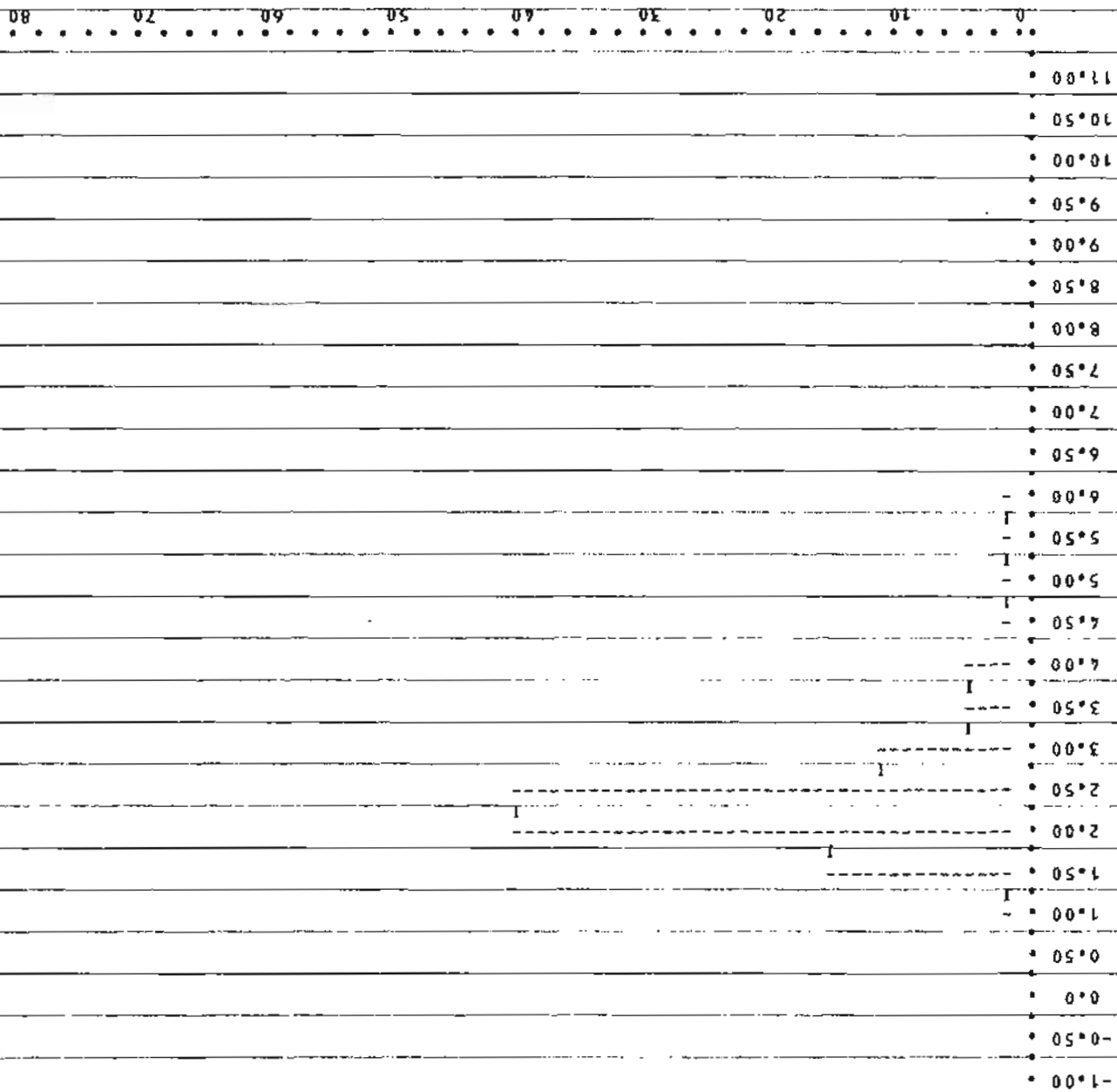
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.060	0.060	0.420	0.420
0.0	0.0	0.060	0.0	0.420
0.500	0.190	0.260	1.250	1.670
1.000	0.060	0.320	0.420	2.090
1.500	0.320	0.640	2.090	4.180
2.000	2.420	3.060	15.870	20.050
2.500	6.250	9.310	40.950	61.000
3.000	1.850	11.160	12.120	73.120
3.500	0.830	11.990	5.430	78.550
4.000	0.770	12.760	5.010	83.560
4.500	0.210	12.970	1.380	84.940
5.000	0.230	13.200	1.510	86.450
5.500	0.300	13.500	1.970	88.420
6.000	0.250	13.750	1.610	90.030
6.500	0.220	13.970	1.450	91.480
7.000	0.210	14.180	1.350	92.830
7.500	0.180	14.360	1.200	94.030
8.000	0.180	14.540	1.180	95.210
8.500	0.180	14.710	1.150	96.360
9.000	0.140	14.860	0.950	97.310
9.500	0.140	15.000	0.930	98.240
10.000	0.120	15.120	0.790	99.030
10.500	0.090	15.210	0.580	99.610
11.000	0.060	15.270	0.390	100.000

ONE PERCENTILE 0.232

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.526
16	1.872
25	2.060
50	2.366
75	3.173
84	4.159
95	7.911

SAMPLE NUMBER



FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

16  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	23.400	GRAMS
CLAY AND SILT WEIGHT	3.610	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	17.490	GRAMS
DETRITUS GREATER THAN 2 MM.	2.30	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.873  
MODE (PHI) 2.609

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.205	1.418	0.592	2.460

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.371	1.066	0.468 1.960	1.741

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.417	1.816	0.899	3.843

## COMPOSITE SIZE ANALYSIS 16

GRAVEL WT.	0.0	SAND WT.	17.49	SILT WT.	2.61	CLAY WT.	1.00
GRAVEL PCT	0.0	SAND PCT	82.89	SILT PCT	12.39	CLAY PCT	4.72
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	4.85			SILT-CLAY RATIO	2.63		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.350	0.350	1.660	1.660
0.0	0.0	0.350	0.0	1.660
0.500	0.0	0.350	0.0	1.660
1.000	0.0	0.350	0.0	1.660
1.500	0.170	0.520	0.830	2.490
2.000	0.170	0.700	0.830	3.320
2.500	4.370	5.070	20.720	24.040
3.000	7.350	12.420	34.810	58.850
3.500	3.500	15.920	16.580	75.430
4.000	1.570	17.490	7.460	82.890
4.500	0.270	17.760	1.270	84.160
5.000	0.360	18.120	1.710	85.870
5.500	0.490	18.610	2.330	88.200
6.000	0.360	18.970	1.700	89.900
6.500	0.330	19.300	1.560	91.460
7.000	0.290	19.580	1.350	92.810
7.500	0.270	19.850	1.280	94.090
8.000	0.250	20.100	1.190	95.280
8.500	0.240	20.350	1.150	96.430
9.000	0.210	20.560	0.990	97.420
9.500	0.200	20.760	0.960	98.380
10.000	0.170	20.930	0.800	99.180
10.500	0.110	21.030	0.510	99.690
11.000	0.070	21.100	0.310	100.000

ONE PERCENTILE -0.699

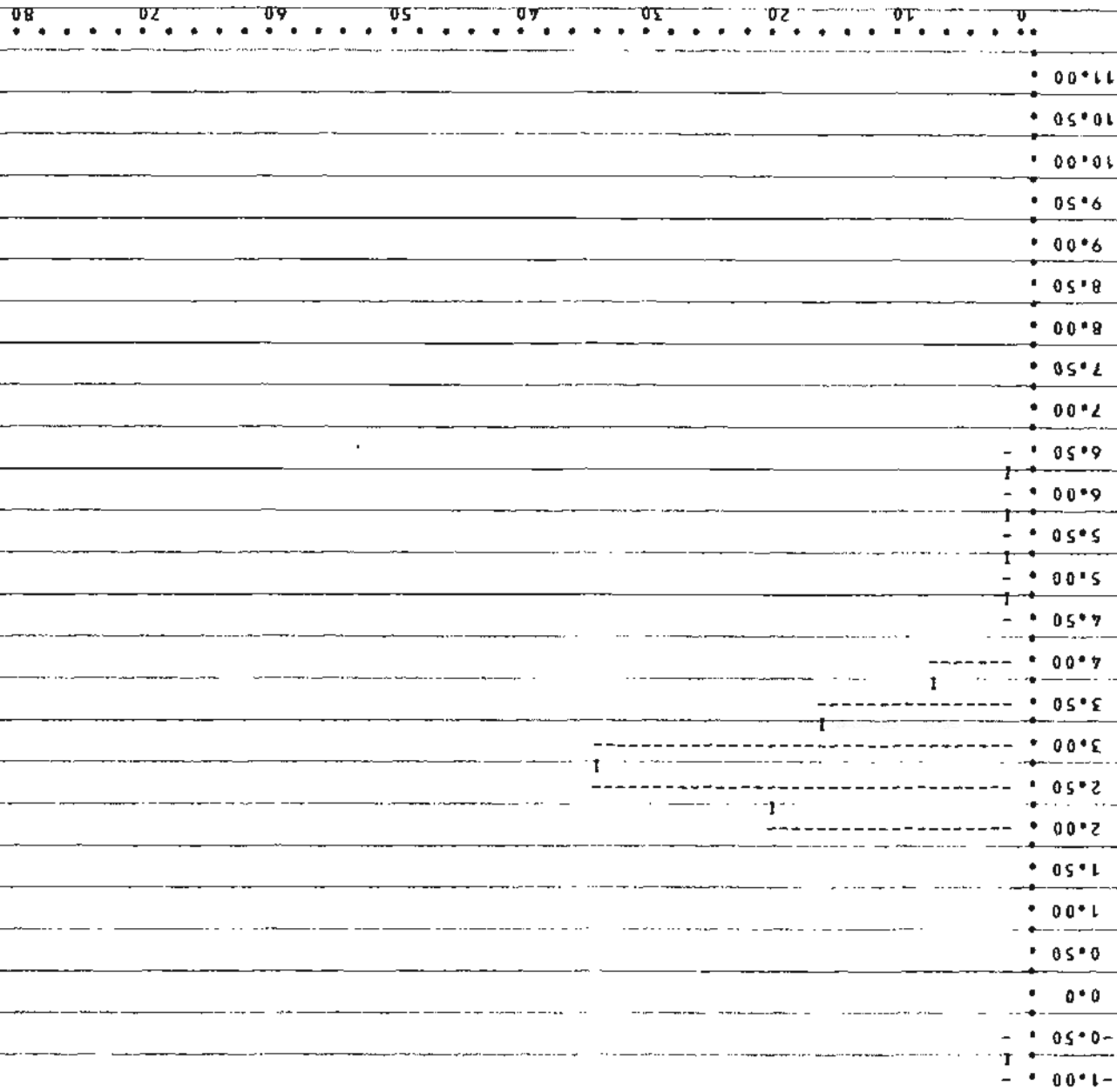
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5	2.041
16	2.306
25	2.514
50	2.873
75	3.487
84	4.437
95	7.882

SAMPLE NUMBER

16

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

17  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	26.490	GRAMS
CLAY AND SILT WEIGHT	1.430	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	24.920	GRAMS
DETRITUS GREATER THAN 2 MM.	0.14	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.754  
MODE (PHI) 2.614

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.771	0.599	0.211	1.485

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.779	0.512	0.050 0.824	1.211

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.823	1.032	1.620	17.348

## COMPOSITE SIZE ANALYSIS 17

GRAVEL WT.	0.0	SAND WT.	24.92	SILT WT.	1.19	CLAY WT.	0.24
GRAVEL PCT	0.0	SAND PCT	94.57	SILT PCT	4.51	CLAY PCT	0.92
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	17.43			SILT-CLAY RATIO	4.93		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.250	0.250	0.950	0.950
0.0	0.0	0.250	0.0	0.950
0.500	0.0	0.250	0.0	0.950
1.000	0.250	0.500	0.940	1.890
1.500	0.0	0.500	0.0	1.890
2.000	0.250	0.750	0.950	2.840
2.500	6.480	7.230	24.590	27.430
3.000	11.710	18.940	44.450	71.880
3.500	5.480	24.420	20.800	92.680
4.000	0.500	24.920	1.890	94.570
4.500	0.180	25.100	0.700	95.270
5.000	0.230	25.330	0.880	96.150
5.500	0.260	25.600	1.000	97.150
6.000	0.180	25.780	0.680	97.830
6.500	0.120	25.900	0.450	98.280
7.000	0.090	25.990	0.340	98.620
7.500	0.060	26.050	0.240	98.860
8.000	0.060	26.110	0.220	99.080
8.500	0.050	26.160	0.210	99.290
9.000	0.050	26.210	0.170	99.460
9.500	0.050	26.260	0.190	99.650
10.000	0.040	26.300	0.160	99.810
10.500	0.030	26.330	0.120	99.930
11.000	0.020	26.350	0.070	100.000

ONE PERCENTILE 0.527

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.044
14	2.268
25	2.451
50	2.754
75	3.075
84	3.291
95	4.307

SAMPLE NUMBER

12

pH

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

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10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

18  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	23.340	GRAMS
CLAY AND SILT WEIGHT	18.230	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	5.110	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.371  
MODE (PHI) 5.074

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.620	2.446	0.189	1.015

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.744	2.671	0.140 0.327	0.372

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.715	2.246	0.221	-0.634

## COMPOSITE SIZE ANALYSIS 18

GRAVEL WT.	0.0	SAND WT.	5.11	SILT WT.	13.79	CLAY WT.	4.44
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GRAVEL PCT	0.0	SAND PCT	21.89	SILT PCT	59.08	CLAY PCT	19.03
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	0.28	SILT-CLAY RATIO	3.10
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.100	0.100	0.440	0.440
2.500	0.610	0.720	2.630	3.070
3.000	2.810	3.530	12.040	15.110
3.500	1.430	4.960	6.130	21.240
4.000	0.150	5.110	0.650	21.890
4.500	1.680	6.790	7.190	29.080
5.000	2.650	9.440	11.370	40.450
5.500	3.000	12.440	12.870	53.320
6.000	2.180	14.620	9.330	62.650
6.500	1.470	16.090	6.280	68.930
7.000	1.110	17.200	4.770	73.700
7.500	0.860	18.060	3.700	77.400
8.000	0.830	18.900	3.570	80.970
8.500	0.850	19.750	3.650	84.620
9.000	0.810	20.560	3.480	88.100
9.500	0.910	21.480	3.910	92.010
10.000	0.850	22.330	3.670	95.680
10.500	0.600	22.930	2.580	98.260
11.000	0.410	23.340	1.740	100.000

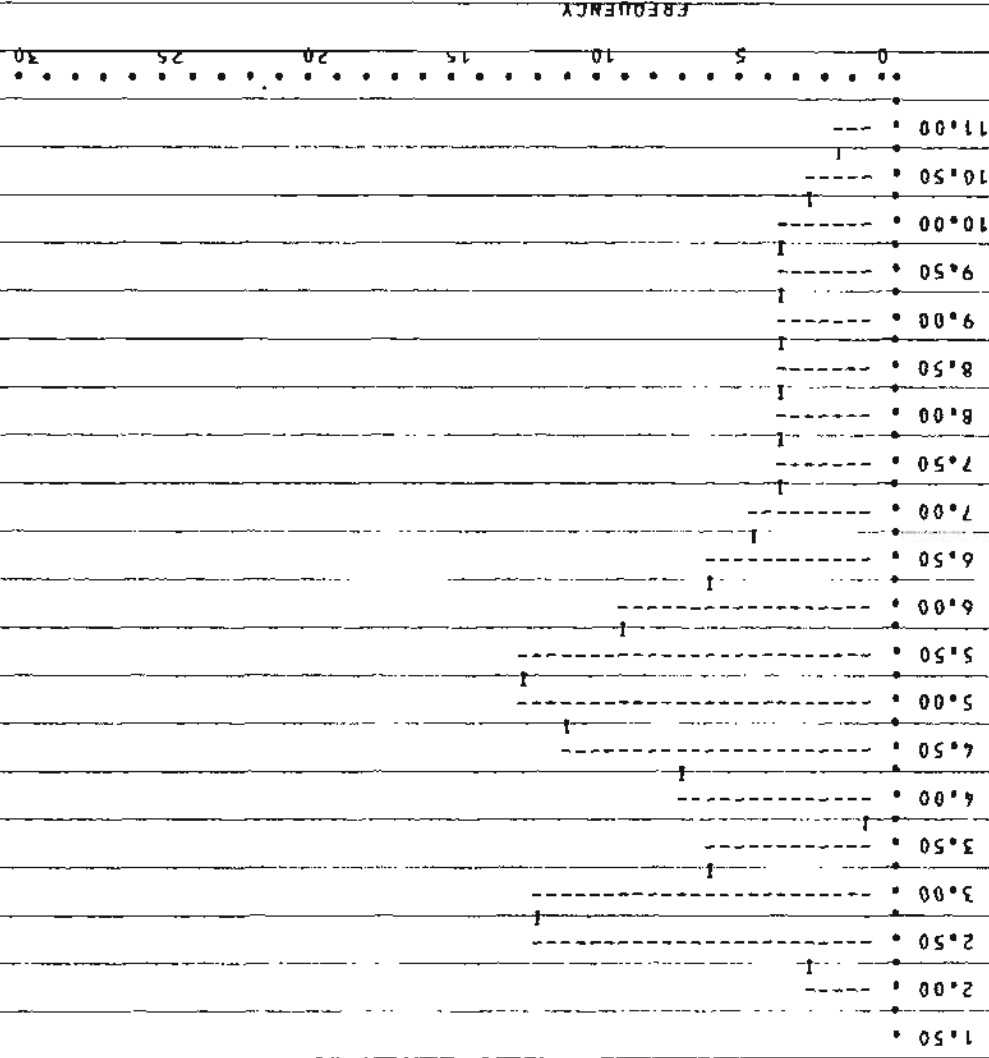
ONE PERCENTILE	2.106
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## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.580
16	3.073
25	4.216
50	5.371
75	7.176
84	8.415
95	9.907

18  
SAMPLE NUMBER

PH 1



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

19  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.450	GRAMS
CLAY AND SILT WEIGHT	2.230	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	19.540	GRAMS
DEBRITUS GREATER THAN 2 MM.	2.68	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.131  
MODE (PHI) 2.070

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.180	1.419	0.347	3.821

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.205	0.674	0.111	4.298
		3.090	

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.508	1.911	1.153	5.941

# COMPOSITE SIZE ANALYSIS 19

GRAVEL WT. 0.0 SAND WT. 19.54 SILT WT. 1.22 CLAY WT. 1.01

GRAVEL PCT 0.0 SAND PCT 89.76 SILT PCT 5.61 CLAY PCT 4.63

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 8.76 SILT-CLAY RATIO 1.21

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.590	0.590	2.690	2.690
0.0	0.200	0.780	0.900	3.590
0.500	0.200	0.980	0.900	4.490
1.000	0.390	1.370	1.790	6.280
1.500	1.760	3.130	8.080	14.360
2.000	5.670	8.790	26.030	40.390
2.500	8.010	16.800	36.800	77.190
3.000	1.950	18.760	8.980	86.170
3.500	0.590	19.340	2.690	88.860
4.000	0.200	19.540	0.900	89.760
4.500	0.140	19.680	0.630	90.390
5.000	0.170	19.850	0.790	91.180
5.500	0.220	20.070	1.000	92.180
6.000	0.130	20.200	0.610	92.790
6.500	0.110	20.310	0.520	93.310
7.000	0.120	20.430	0.550	93.860
7.500	0.140	20.580	0.660	94.520
8.000	0.180	20.760	0.850	95.370
8.500	0.220	20.980	0.990	96.360
9.000	0.220	21.190	1.000	97.360
9.500	0.230	21.420	1.040	98.400
10.000	0.180	21.600	0.830	99.230
10.500	0.110	21.710	0.480	99.710
11.000	0.060	21.770	0.290	100.000

ONE PERCENTILE = -0.814

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5	0.642
16	1.532
25	1.704
50	2.131
75	2.470
84	2.879
95	7.782

pH

19

SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

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2.50

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10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

22  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	26.990	GRAMS
CLAY AND SILT WEIGHT	6.170	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	15.880	GRAMS
DETRITUS GREATER THAN 2 MM.	4.94	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.986  
MODE (PHI) 1.190

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.497	3.119	0.590	1.031

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.252	3.248	0.698 0.733	0.519

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.180	3.026	0.490	-0.300

## COMPOSITE SIZE ANALYSIS 22

GRAVEL WT.	0.0	SAND WT.	15.88	SILT WT.	3.28	CLAY WT.	2.89
GRAVEL PCT	0.0	SAND PCT	72.02	SILT PCT	14.87	CLAY PCT	13.11
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	2.57			SILT-CLAY RATIO	1.13		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.270	1.270	5.760	5.760
0.0	0.480	1.750	2.160	7.920
0.500	0.480	2.220	2.160	10.080
1.000	1.270	3.490	5.760	15.840
1.500	4.290	7.780	19.450	35.290
2.000	3.330	11.120	15.120	50.410
2.500	3.180	14.290	14.410	64.820
3.000	0.950	15.240	4.320	69.140
3.500	0.480	15.720	2.160	71.300
4.000	0.160	15.880	0.720	72.020
4.500	0.130	16.010	0.570	72.590
5.000	0.360	16.360	1.620	74.210
5.500	0.550	16.920	2.510	76.720
6.000	0.330	17.250	1.500	78.220
6.500	0.350	17.600	1.580	79.800
7.000	0.410	18.010	1.860	81.660
7.500	0.520	18.520	2.340	84.000
8.000	0.640	19.160	2.890	86.890
8.500	0.730	19.890	3.320	90.210
9.000	0.670	20.560	3.060	93.270
9.500	0.640	21.200	2.900	96.170
10.000	0.470	21.670	2.120	98.290
10.500	0.240	21.910	1.090	99.380
11.000	0.140	22.050	0.620	100.000

ONE PERCENTILE -0.913

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.566
16	1.004
25	1.235
50	1.986
75	5.157
84	7.500
95	9.298

SAMPLE NUMBER

22

PHI

-1.00

-0.50

0.00

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

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10.00

10.50

11.00

FREQUENCY

0  
5  
10  
15  
20  
25  
30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

23  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	25.000	GRAMS
CLAY AND SILT WEIGHT	1.860	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	22.230	GRAMS
DETRITUS GREATER THAN 2 MM.	0.91	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.155  
MODE (PHI) 2.069

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.199	1.443	0.213	3.469

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.221	0.680	0.097 1.757	4.356

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.398	1.825	1.127	7.010

# COMPOSITE SIZE ANALYSIS 23

GRAVEL WT. 0.0 SAND WT. 22.23 SILT WT. 0.93 CLAY WT. 0.93

GRAVEL PCT 0.0 SAND PCT 92.28 SILT PCT 3.86 CLAY PCT 3.86

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 11.95 SILT-CLAY RATIO 1.00

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.110	1.110	4.610	4.610
0.0	0.220	1.330	0.930	5.540
0.500	0.220	1.560	0.920	6.460
1.000	0.890	2.450	3.690	10.150
1.500	0.890	3.330	3.690	13.840
2.000	6.220	9.560	25.840	39.680
2.500	8.000	17.560	33.220	72.900
3.000	3.330	20.900	13.840	86.740
3.500	1.110	22.010	4.620	91.360
4.000	0.220	22.230	0.920	92.280
4.500	0.110	22.340	0.470	92.750
5.000	0.100	22.450	0.440	93.190
5.500	0.120	22.560	0.480	93.670
6.000	0.100	22.670	0.430	94.100
6.500	0.110	22.780	0.440	94.540
7.000	0.110	22.890	0.470	95.010
7.500	0.130	23.010	0.530	95.540
8.000	0.140	23.160	0.600	96.140
8.500	0.180	23.340	0.760	96.900
9.000	0.190	23.530	0.780	97.680
9.500	0.200	23.730	0.840	98.520
10.000	0.170	23.910	0.730	99.250
10.500	0.090	24.000	0.380	99.630
11.000	0.090	24.090	0.370	100.000

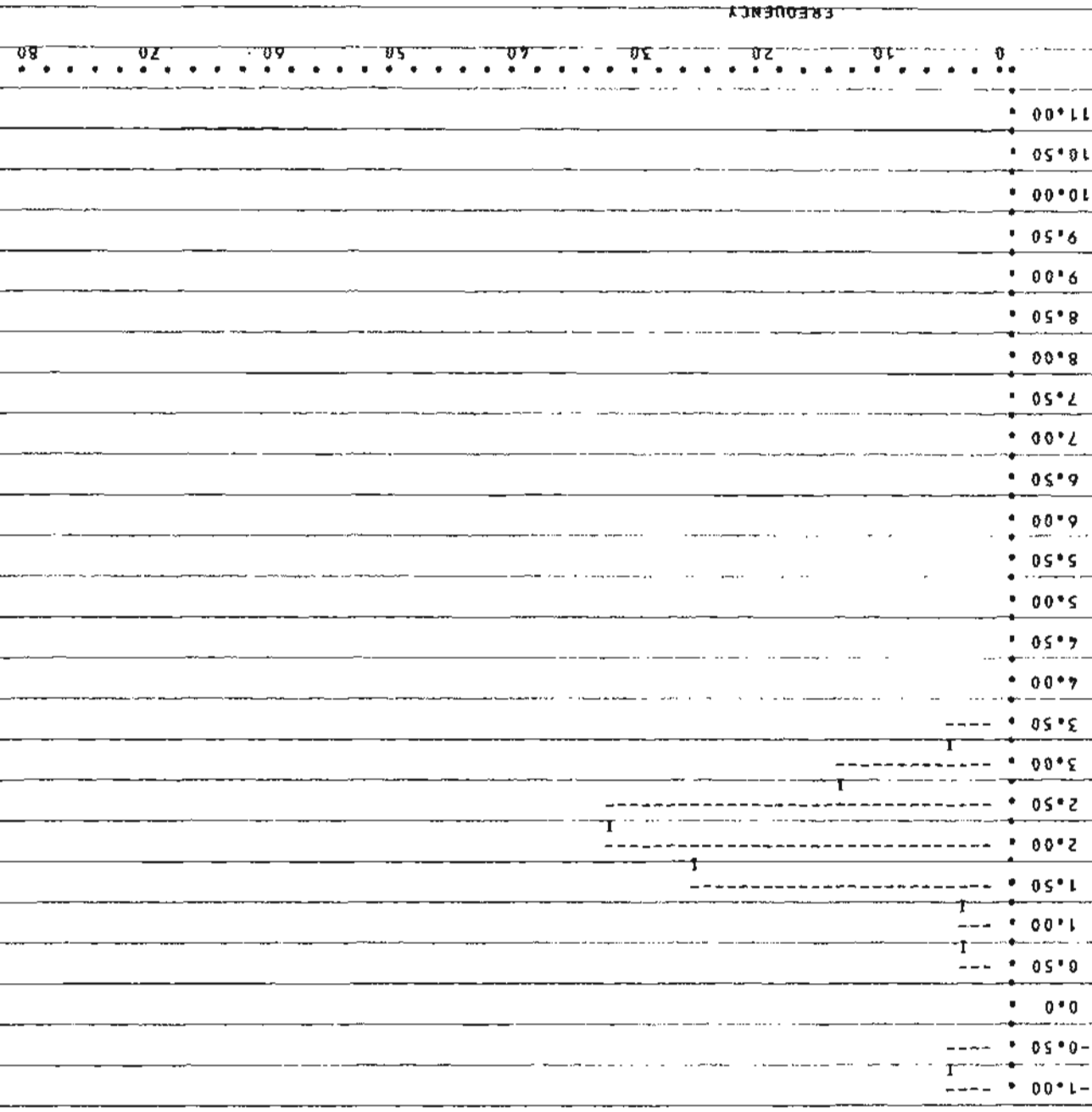
ONE PERCENTILE -0.892

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETE

5	-0.290
16	1.542
25	1.716
50	2.155
75	2.576
84	2.901
95	6.989

PHI

23  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

24  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.740	GRAMS
CLAY AND SILT WEIGHT	2.420	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	22.290	GRAMS
DETRITUS GREATER THAN 2 MM.	0.03	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.495  
MODE (PHI) 2.177

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.632	1.120	0.603	3.320

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.701	0.555	0.371	4.004
		4.173	

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.002	1.627	1.546	9.184

## COMPOSITE SIZE ANALYSIS 24

GRAVEL WT.	0.0	SAND WT.	22.29	SILT WT.	1.32	CLAY WT.	1.10
GRAVEL PCT	0.0	SAND PCT	90.21	SILT PCT	5.34	CLAY PCT	4.45
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	9.21	SILT-CLAY RATIO		1.20			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.220	0.220	0.900	0.900
2.000	0.220	0.450	0.900	1.800
2.500	12.040	12.480	48.720	50.520
3.000	7.130	19.620	28.860	79.380
3.500	2.230	21.840	9.020	88.400
4.000	0.450	22.290	1.810	90.210
4.500	0.190	22.480	0.760	90.970
5.000	0.240	22.710	0.950	91.920
5.500	0.240	22.960	0.980	92.900
6.000	0.140	23.100	0.580	93.480
6.500	0.110	23.210	0.460	93.940
7.000	0.110	23.320	0.440	94.380
7.500	0.130	23.450	0.500	94.880
8.000	0.160	23.610	0.670	95.550
8.500	0.200	23.810	0.820	96.370
9.000	0.200	24.020	0.820	97.190
9.500	0.240	24.250	0.960	98.150
10.000	0.220	24.470	0.880	99.030
10.500	0.150	24.620	0.590	99.620
11.000	0.090	24.710	0.380	100.000

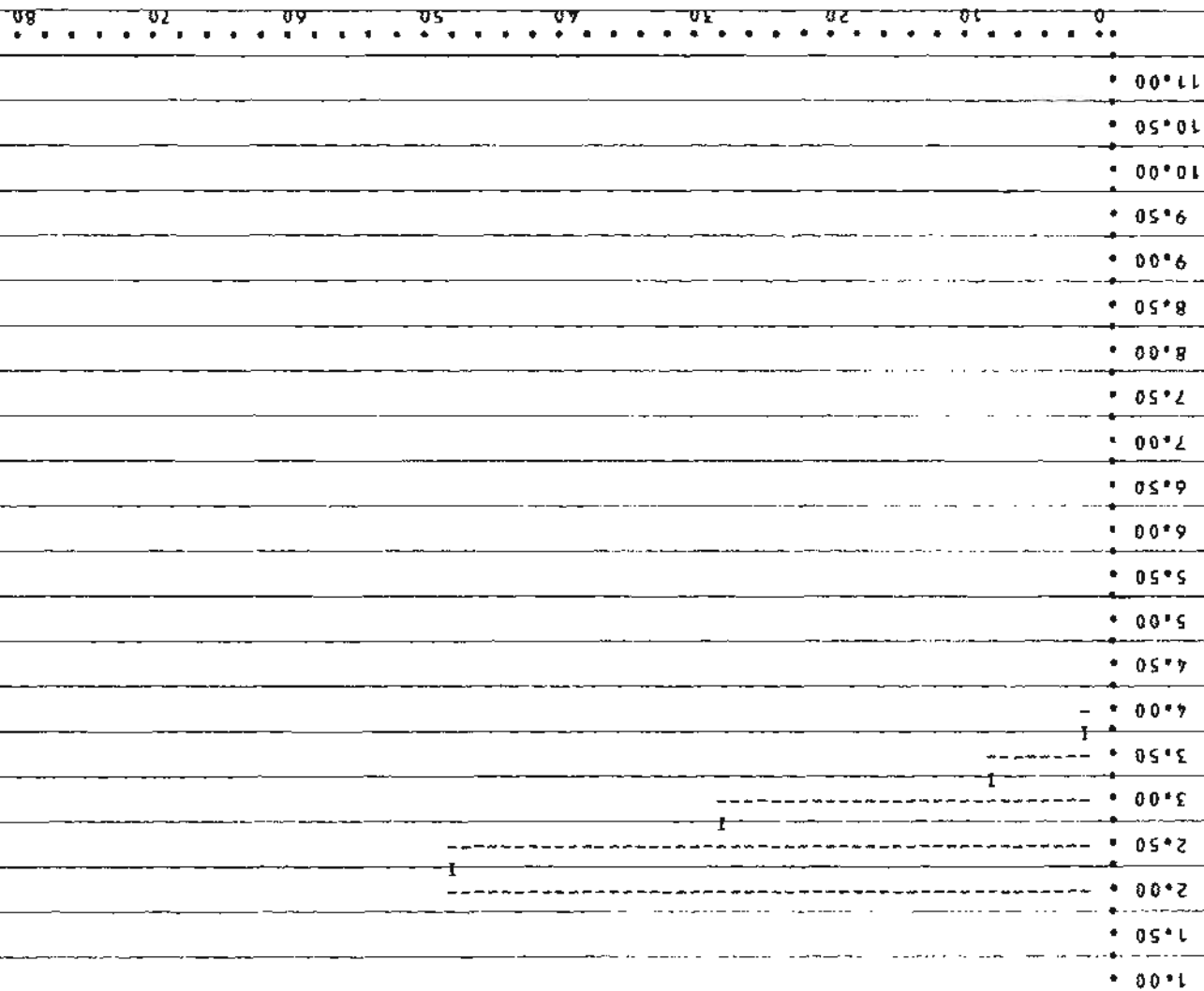
ONE PERCENTILE 1.556

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.033
16	2.146
25	2.238
50	2.495
75	2.924
84	3.256
95	7.590

24  
SAMPLE NUMBER

001



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

25  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	27.830	GRAMS
CLAY AND SILT WEIGHT	2.620	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	23.410	GRAMS
DETRITUS GREATER THAN 2 MM.	1.80	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.174  
MODE (PHI) 2.095

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.193	1.557	0.235	3.824

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.202	0.686	0.040	4.842
		2.509	

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.495	1.968	1.073	5.522

# COMPOSITE SIZE ANALYSIS 25

GRAVEL WT.	0.0	SAND WT.	23.41	SILT WT.	1.36	CLAY WT.	1.26
GRAVEL PCT	0.0	SAND PCT	89.93	SILT PCT	5.22	CLAY PCT	4.85
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	8.94			SILT-CLAY RATIO	1.08		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.940	0.940	3.600	3.600
0.0	0.470	1.400	1.800	5.400
0.500	0.470	1.870	1.790	7.190
1.000	0.470	2.340	1.800	8.990
1.500	1.640	3.980	6.300	15.290
2.000	5.850	9.830	22.480	37.770
2.500	9.130	18.960	35.080	72.850
3.000	3.750	22.710	14.390	87.240
3.500	0.470	23.180	1.800	89.040
4.000	0.230	23.410	0.890	89.930
4.500	0.140	23.550	0.550	90.480
5.000	0.210	23.760	0.790	91.270
5.500	0.260	24.010	0.990	92.260
6.000	0.150	24.160	0.580	92.840
6.500	0.120	24.290	0.480	93.320
7.000	0.130	24.420	0.490	93.810
7.500	0.150	24.570	0.580	94.390
8.000	0.200	24.770	0.760	95.150
8.500	0.250	25.020	0.970	96.120
9.000	0.260	25.280	1.000	97.120
9.500	0.280	25.560	1.080	98.200
10.000	0.240	25.800	0.920	99.120
10.500	0.140	25.940	0.550	99.670
11.000	0.090	26.030	0.330	100.000

ONE PERCENTILE -0.861

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.111
16	1.516
25	1.716
50	2.174
75	2.575
84	2.887
95	7.901

PH 1

25  
SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

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10.50

11.00

FREQUENCY

0  
10  
20  
30  
40  
50  
60  
70  
80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

26  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	23.860	GRAMS
CLAY AND SILT WEIGHT	1.130	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	22.430	GRAMS
DETRITUS GREATER THAN 2 MM.	0.30	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.358  
MODE (PHI) 2.156

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.426	0.596	0.220	1.901

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.460	0.410	0.249	2.149
		0.600	

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.515	1.204	1.552	16.546

## COMPOSITE SIZE ANALYSIS 26

GRAVEL WT.	0.0	SAND WT.	22.43	SILT WT.	0.78	CLAY WT.	0.35
GRAVEL PCT	0.0	SAND PCT	95.20	SILT PCT	3.32	CLAY PCT	1.48
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	19.85			SILT-CLAY RATIO	2.24		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.220	0.220	0.950	0.950
0.0	0.220	0.450	0.950	1.900
0.500	0.220	0.670	0.960	2.860
1.000	0.220	0.900	0.950	3.810
1.500	0.450	1.350	1.900	5.710
2.000	1.120	2.470	4.760	10.470
2.500	13.010	15.480	55.220	65.690
3.000	5.830	21.310	24.750	90.440
3.500	0.900	22.210	3.810	94.250
4.000	0.220	22.430	0.950	95.200
4.500	0.110	22.540	0.470	95.670
5.000	0.150	22.690	0.620	96.290
5.500	0.150	22.830	0.620	96.910
6.000	0.110	22.940	0.460	97.370
6.500	0.080	23.020	0.340	97.710
7.000	0.070	23.090	0.280	97.990
7.500	0.060	23.150	0.260	98.250
8.000	0.060	23.210	0.270	98.520
8.500	0.070	23.280	0.300	98.820
9.000	0.070	23.350	0.300	99.120
9.500	0.080	23.430	0.330	99.450
10.000	0.060	23.490	0.270	99.720
10.500	0.040	23.530	0.120	99.890
11.000	0.020	23.560	0.110	100.000

ONE PERCENTILE -0.474

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMET:

5	1.313
16	2.050
25	2.132
50	2.358
75	2.688
84	2.870
95	3.895

PHI

26

SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

27  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	23.020	GRAMS
CLAY AND SILT WEIGHT	0.0	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	21.500	GRAMS
DETRITUS GREATER THAN 2 MM.	1.52	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 0.976  
MODE (PHI) 1.098

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.631	0.895	-0.454	0.873

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.458	0.988	-0.524 -0.513	0.339

VERBALIZATION OF FOLK PARAMETERS

MODERATELY SORTED  
STRONGLY COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.700	0.823	-0.344	-0.842

## COMPOSITE SIZE ANALYSIS 27

GRAVEL WT.	0.0	SAND WT.	21.50	SILT WT.	0.0	CLAY WT.	0.0
GRAVEL PCT	0.0	SAND PCT	100.00	SILT PCT	0.0	CLAY PCT	0.0
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	0.0			SILT-CLAY RATIO	0.0		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	3.650	3.650	17.000	17.000
0.0	1.500	5.160	7.000	24.000
0.500	1.290	6.450	6.000	30.000
1.000	4.510	10.960	21.000	51.000
1.500	7.950	18.920	37.000	88.000
2.000	2.580	21.500	12.000	100.000

ONE PERCENTILE -0.971

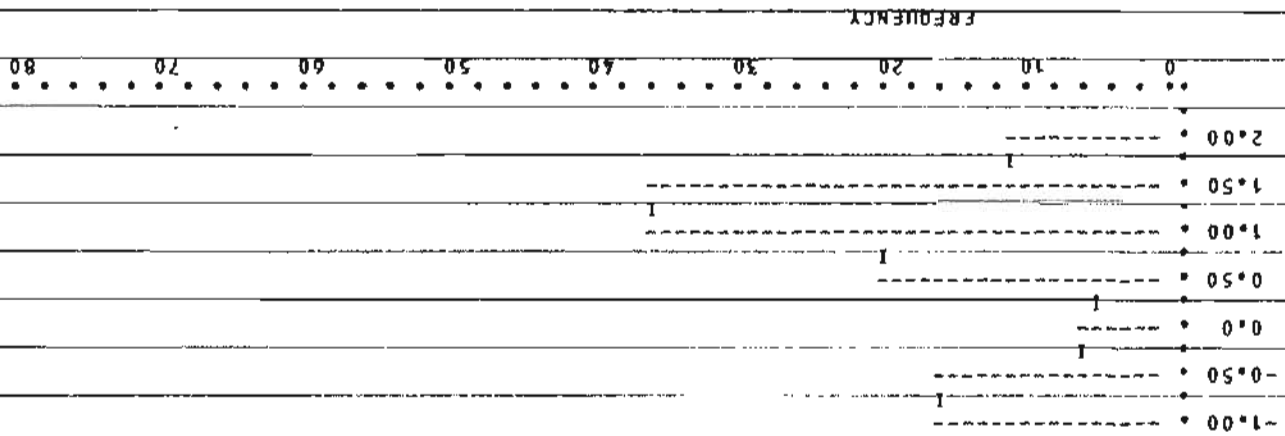
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.853
16	-0.529
25	0.083
50	0.976
75	1.324
84	1.646
95	1.792

PH 1

27

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

28  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	27.520	GRAMS
CLAY AND SILT WEIGHT	0.270	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	22.580	GRAMS
DETRITUS GREATER THAN 2 MM.	4.67	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.865  
MODE (PHI) 1.680

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.889	0.506	-0.021	1.263

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.902	0.442	0.083	1.130
		-0.266	

VERBALIZATION OF FOLK PARAMETERS

MODERATELY WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.876	0.783	1.063	21.873

## COMPOSITE SIZE ANALYSIS 28

GRAVEL WT.	0.0	SAND WT.	22.58	SILT WT.	0.23	CLAY WT.	0.04
GRAVEL PCT	0.0	SAND PCT	98.82	SILT PCT	1.02	CLAY PCT	0.16
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	83.65			SILT-CLAY RATIO	6.21		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.450	0.450	1.980	1.980
0.0	0.0	0.450	0.0	1.980
0.500	0.0	0.450	0.0	1.980
1.000	1.130	1.580	4.940	6.920
1.500	2.260	3.840	9.880	16.800
2.000	10.390	14.230	45.460	62.260
2.500	7.230	21.460	31.620	93.880
3.000	0.680	22.130	2.960	96.840
3.500	0.230	22.350	0.990	97.830
4.000	0.230	22.580	0.990	98.820
4.500	0.020	22.600	0.100	98.920
5.000	0.040	22.640	0.170	99.090
5.500	0.050	22.690	0.200	99.290
6.000	0.040	22.730	0.190	99.480
6.500	0.030	22.760	0.130	99.610
7.000	0.020	22.790	0.110	99.720
7.500	0.020	22.800	0.060	99.780
8.000	0.010	22.810	0.060	99.840
8.500	0.010	22.820	0.040	99.880
9.000	0.010	22.830	0.030	99.910
9.500	0.010	22.840	0.030	99.940
10.000	0.010	22.840	0.030	99.970
10.500	0.0	22.850	0.020	99.990
11.000	0.0	22.850	0.010	100.000

ONE PERCENTILE ... 0.747

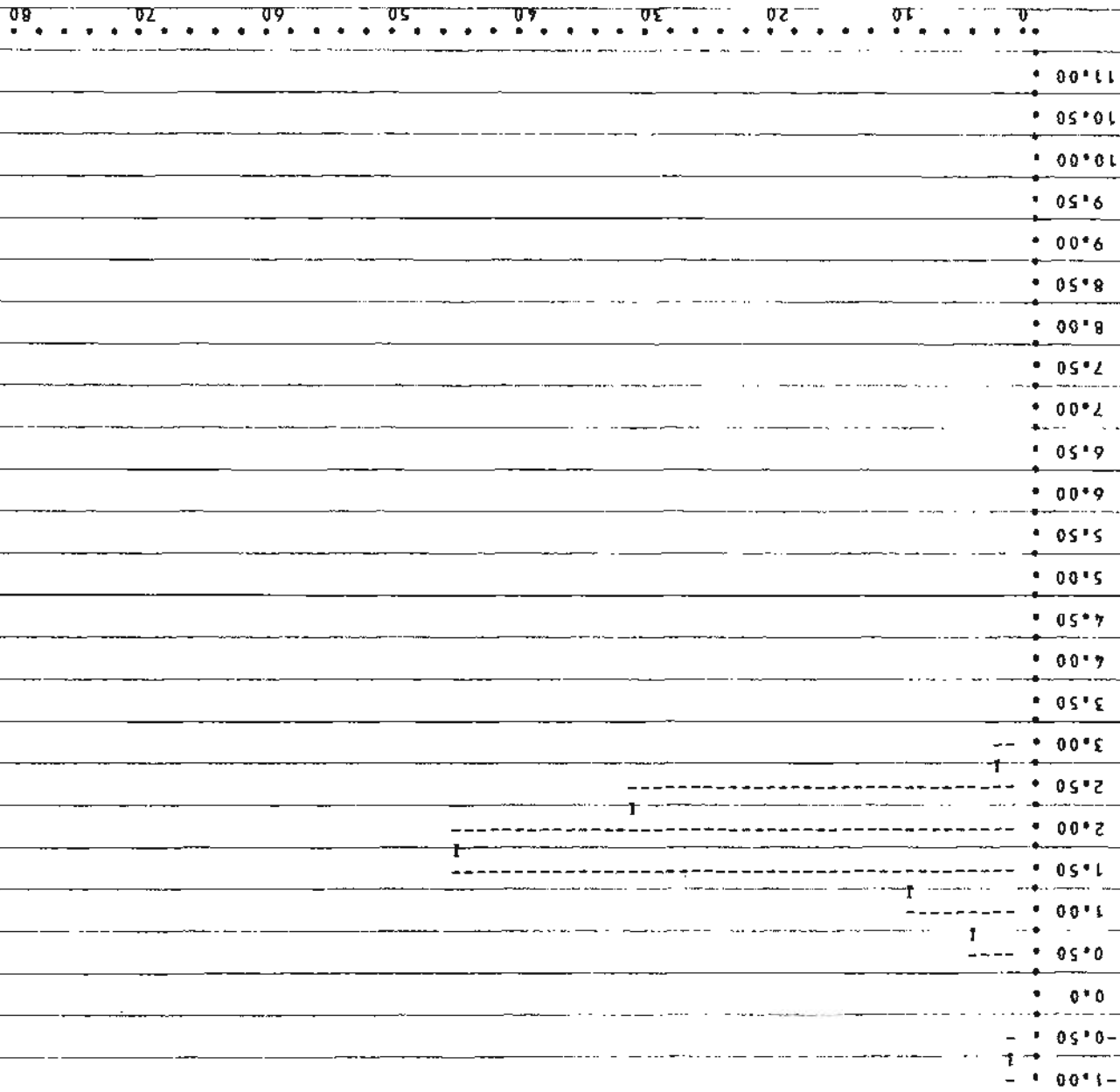
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAME

5	0.806
16	1.460
25	1.590
50	1.865
75	2.201
84	2.344
95	2.689

PHI

28

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

29  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	21.340	GRAMS
CLAY AND SILT WEIGHT	0.040	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	21.280	GRAMS
DETRITUS GREATER THAN 2 MM.	0.02	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.542  
MODE (PHI) 2.529

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.528	0.336	-0.048	0.757

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.520	0.369	-0.058	0.354
		-0.051	

VERBALIZATION OF FOLK PARAMETERS

VERY WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.522	0.440	0.072	23.092

## COMPOSITE SIZE ANALYSIS 29

GRAVEL WT.	0.0	SAND WT.	21.28	SILT WT.	0.04	CLAY WT.	0.00
GRAVEL PCT	0.0	SAND PCT	99.81	SILT PCT	0.17	CLAY PCT	0.02
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	533.11			SILT-CLAY RATIO	9.34		

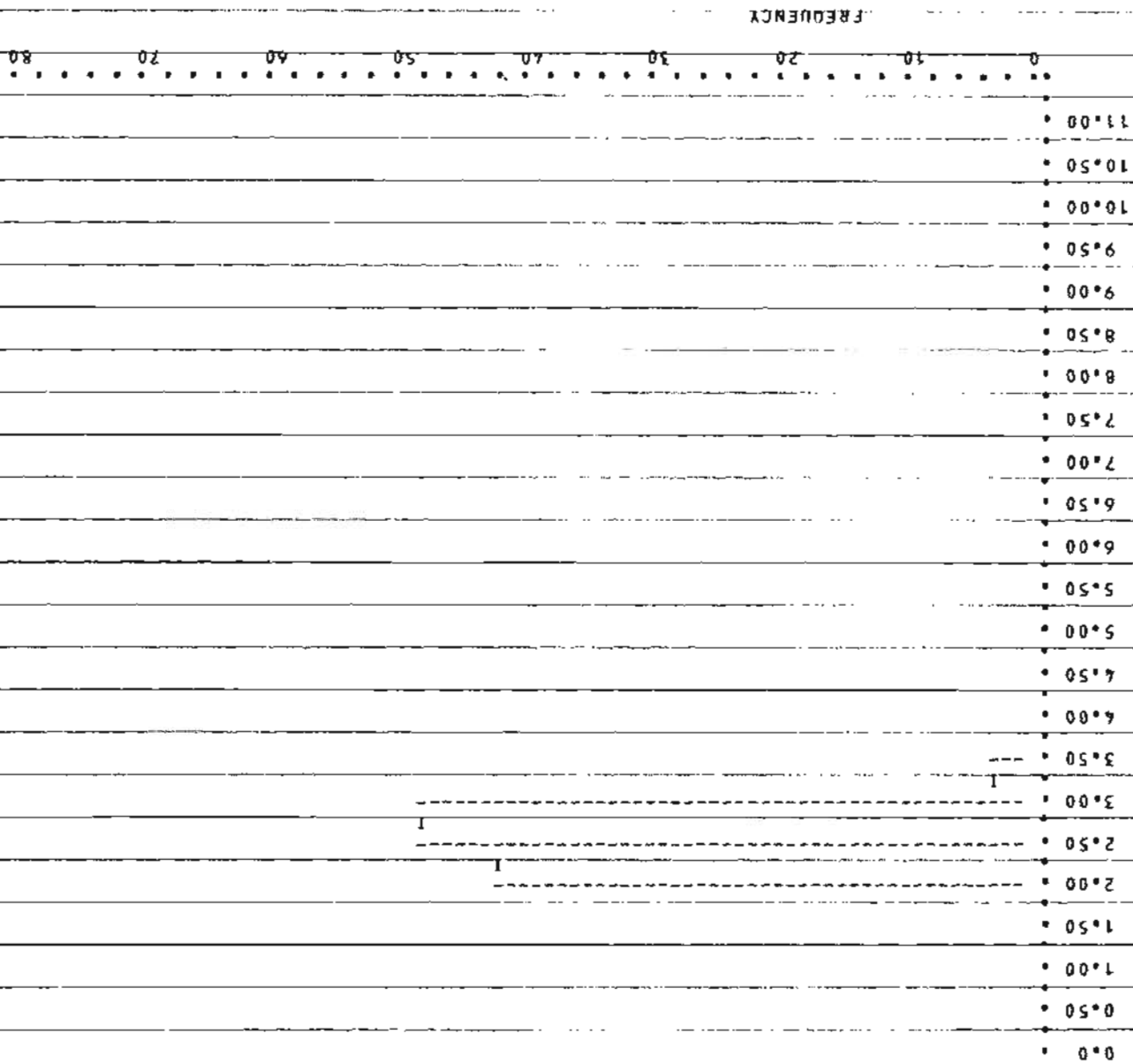
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.0	0.0	0.0	0.0	0.0
0.500	0.210	0.210	1.000	1.000
1.000	0.0	0.210	0.0	1.000
1.500	0.210	0.430	1.000	2.000
2.000	0.210	0.640	0.990	2.990
2.500	9.150	9.790	42.920	45.910
3.000	10.430	20.220	48.910	94.820
3.500	0.850	21.070	3.990	98.810
4.000	0.210	21.280	1.000	99.810
4.500	0.0	21.280	0.020	99.830
5.000	0.010	21.290	0.030	99.860
5.500	0.010	21.300	0.030	99.890
6.000	0.010	21.300	0.040	99.930
6.500	0.0	21.310	0.020	99.950
7.000	0.0	21.310	0.010	99.960
7.500	0.0	21.310	0.010	99.970
8.000	0.0	21.320	0.010	99.980
8.500	0.0	21.320	0.010	99.990
9.000	0.0	21.320	0.0	99.990
9.500	0.0	21.320	0.0	99.990
10.000	0.0	21.320	0.010	100.000
10.500	0.0	21.320	0.0	100.000
11.000	0.0	21.320	0.0	100.000

ONE PERCENTILE 0.500

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.023
16	2.152
25	2.256
50	2.562
75	2.797
84	2.889
95	3.023

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

30  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	26.500	GRAMS
CLAY AND SILT WEIGHT	0.180	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	24.620	GRAMS
DETRITUS GREATER THAN 2 MM.	1.70	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.556  
MODE (PHI) 1.240

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.580	0.762	-0.182	1.528

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.592	0.590	0.060	1.616
		-1.109	

VERBALIZATION OF FOLK PARAMETERS

MODERATELY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.470	0.902	0.246	10.735

# COMPOSITE SIZE ANALYSIS 30

GRAVEL WT. 0.0 SAND WT. 24.62 SILT WT. 0.15 CLAY WT. 0.03

GRAVEL PCT 0.0 SAND PCT 99.27 SILT PCT 0.61 CLAY PCT 0.12

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 136.86 SILT-CLAY RATIO 5.15

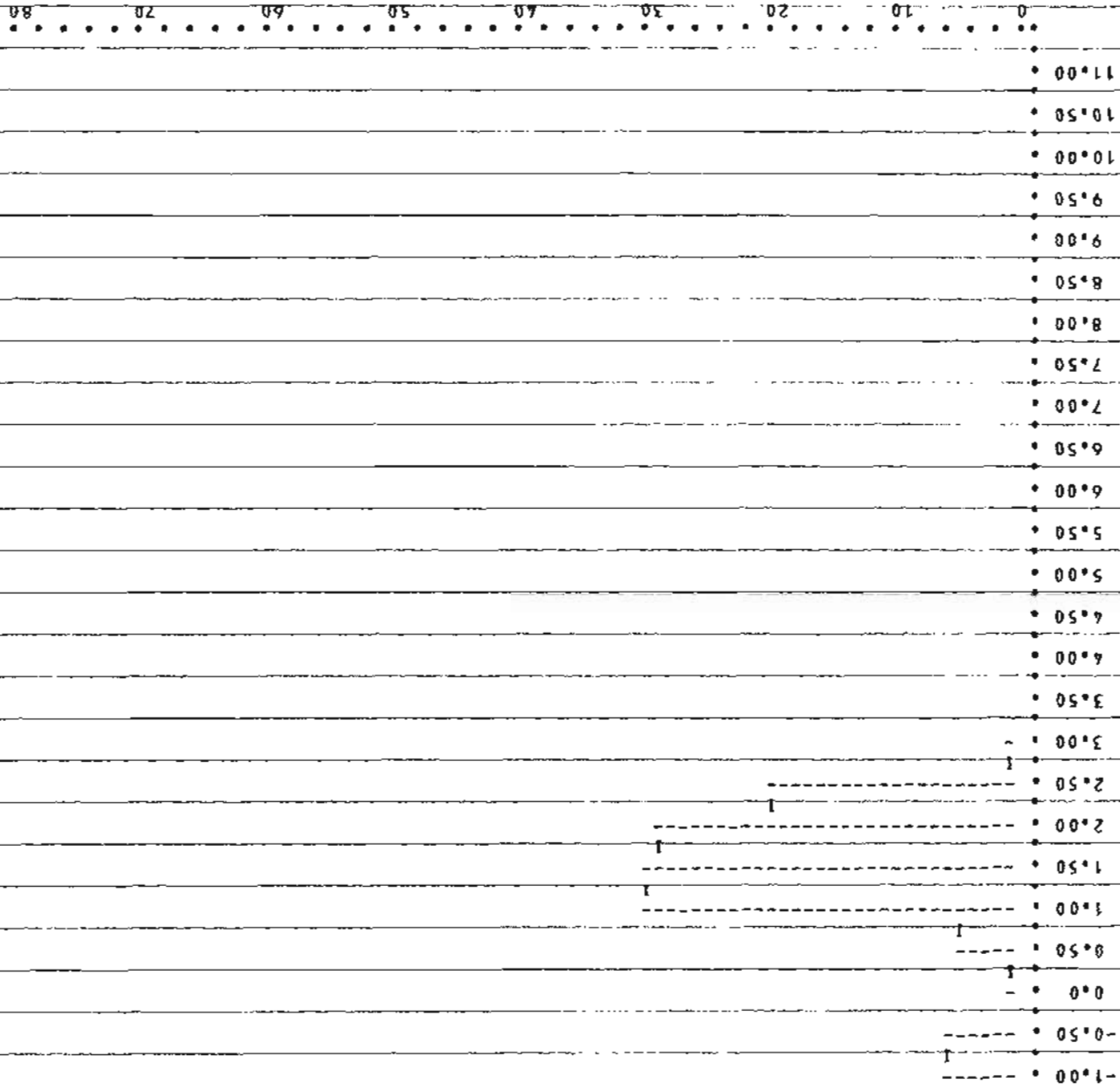
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.720	1.720	6.950	6.950
0.0	0.250	1.970	0.990	7.940
0.500	0.490	2.460	1.990	9.930
1.000	1.480	3.940	5.950	15.880
1.500	7.630	11.570	30.780	46.660
2.000	7.390	18.960	29.780	76.440
2.500	5.170	24.130	20.850	97.290
3.000	0.490	24.620	1.980	99.270
3.500	0.0	24.620	0.0	99.270
4.000	0.0	24.620	0.0	99.270
4.500	0.020	24.640	0.080	99.350
5.000	0.030	24.670	0.110	99.460
5.500	0.030	24.700	0.130	99.590
6.000	0.030	24.720	0.100	99.690
6.500	0.020	24.740	0.070	99.760
7.000	0.010	24.750	0.060	99.820
7.500	0.010	24.760	0.030	99.850
8.000	0.010	24.770	0.030	99.880
8.500	0.010	24.780	0.030	99.910
9.000	0.010	24.780	0.020	99.930
9.500	0.010	24.790	0.030	99.960
10.000	0.0	24.790	0.010	99.970
10.500	0.0	24.800	0.020	99.990
11.000	0.0	24.800	0.010	100.000

ONE PERCENTILE -0.928

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETE

5	-0.640
16	1.002
25	1.148
50	1.556
75	1.976
84	2.181
95	2.445

PHI  
30  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

33  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.880	GRAMS
CLAY AND SILT WEIGHT	0.130	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	21.850	GRAMS
DETRITUS GREATER THAN 2 MM.	2.90	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.179  
MODE (PHI) 2.113

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.100	0.495	-0.238	1.347

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.061	0.434	-0.270 -0.435	1.112

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.099	0.761	0.614	24.273

# COMPOSITE SIZE ANALYSIS 33

GRAVEL WT. 0.0 SAND WT. 21.85 SILT WT. 0.08 CLAY WT. 0.05

GRAVEL PCT 0.0 SAND PCT 99.41 SILT PCT 0.37 CLAY PCT 0.22

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 168.23 SILT-CLAY RATIO 1.70

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.440	0.440	1.990	1.990
0.0	0.0	0.440	0.0	1.990
0.500	0.440	0.870	1.990	3.980
1.000	0.0	0.870	0.0	3.980
1.500	1.530	2.400	6.960	10.940
2.000	4.370	6.770	19.880	30.820
2.500	11.800	18.570	53.680	84.500
3.000	2.840	21.410	12.920	97.420
3.500	0.220	21.630	1.000	98.420
4.000	0.220	21.850	0.990	99.410
4.500	0.010	21.860	0.060	99.470
5.000	0.010	21.880	0.070	99.540
5.500	0.010	21.890	0.060	99.600
6.000	0.010	21.900	0.050	99.650
6.500	0.010	21.910	0.040	99.690
7.000	0.010	21.920	0.030	99.720
7.500	0.010	21.920	0.030	99.750
8.000	0.010	21.930	0.030	99.780
8.500	0.010	21.940	0.040	99.820
9.000	0.010	21.950	0.040	99.860
9.500	0.010	21.960	0.050	99.910
10.000	0.010	21.970	0.040	99.950
10.500	0.010	21.980	0.030	99.980
11.000	0.0	21.980	0.020	100.000

ONE PERCENTILE = 0.749

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5	1.073
16	1.627
25	1.854
50	2.179
75	2.412
84	2.495
95	2.906

SAMPLE NUMBER

33

pH

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

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7.00

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10.00

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11.00

0 . . . . . 10 20 30 40 50 60 70 80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

34  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	25.950	GRAMS
CLAY AND SILT WEIGHT	0.400	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	25.550	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.522  
MODE (PHI) 2.214

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.545	0.415	0.206	0.997

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.556	0.398	0.086 0.586	0.793

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.635	0.693	3.011	52.920

## COMPOSITE SIZE ANALYSIS 34

GRAVEL WT.	0.0	SAND WT.	25.55	SILT WT.	0.27	CLAY WT.	0.13
GRAVEL PCT	0.0	SAND PCT	98.46	SILT PCT	1.04	CLAY PCT	0.50
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	63.90	SILT-CLAY RATIO		2.08			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.260	0.260	0.980	0.980
2.500	12.260	12.520	47.260	48.240
3.000	10.220	22.740	39.390	87.630
3.500	2.040	24.780	7.880	95.510
4.000	0.770	25.550	2.950	98.460
4.500	0.060	25.610	0.230	98.690
5.000	0.050	25.660	0.180	98.870
5.500	0.050	25.700	0.180	99.050
6.000	0.040	25.740	0.140	99.190
6.500	0.030	25.760	0.090	99.280
7.000	0.020	25.780	0.080	99.360
7.500	0.020	25.800	0.070	99.430
8.000	0.020	25.820	0.070	99.500
8.500	0.020	25.840	0.080	99.580
9.000	0.020	25.860	0.090	99.670
9.500	0.030	25.890	0.100	99.770
10.000	0.030	25.920	0.100	99.870
10.500	0.020	25.940	0.080	99.950
11.000	0.010	25.950	0.050	100.000

ONE PERCENTILE 2.000

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.043
16	2.159
25	2.254
50	2.522
75	2.840
84	2.954
95	3.468

pH1

SAMPLE NUMBER

34

1.50 •

2.00 •

2.50 •

3.00 •

3.50 •

4.00 •

4.50 •

5.00 •

5.50 •

6.00 •

6.50 •

7.00 •

7.50 •

8.00 •

8.50 •

9.00 •

9.50 •

10.00 •

10.50 •

11.00 •

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

35  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	21.810	GRAMS
CLAY AND SILT WEIGHT	1.180	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	13.840	GRAMS
DETRITUS GREATER THAN 2 MM.	6.79	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.693  
MODE (PHI) 2.567

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.758	0.902	0.302	1.749

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.791	0.681	0.144 1.248	1.720

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.957	1.333	1.565	11.757

# COMPOSITE SIZE ANALYSIS 35

GRAVEL WT. 0.0 SAND WT. 13.84 SILT WT. 0.82 CLAY WT. 0.36

GRAVEL PCT 0.0 SAND PCT 92.14 SILT PCT 5.45 CLAY PCT 2.41

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 11.73 SILT-CLAY RATIO 2.26

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.280	0.280	1.840	1.840
2.000	1.250	1.520	8.300	10.140
2.500	4.010	5.540	26.720	36.860
3.000	5.120	10.660	34.090	70.950
3.500	2.080	12.730	13.820	84.770
4.000	1.110	13.840	7.370	92.140
4.500	0.210	14.050	1.380	93.520
5.000	0.130	14.180	0.870	94.390
5.500	0.120	14.290	0.770	95.160
6.000	0.090	14.390	0.630	95.790
6.500	0.070	14.460	0.470	96.260
7.000	0.060	14.520	0.420	96.680
7.500	0.060	14.580	0.420	97.100
8.000	0.070	14.660	0.490	97.590
8.500	0.080	14.740	0.550	98.140
9.000	0.080	14.820	0.530	98.670
9.500	0.080	14.900	0.520	99.190
10.000	0.060	14.960	0.400	99.590
10.500	0.040	15.000	0.250	99.840
11.000	0.020	15.020	0.160	100.000

ONE PERCENTILE 1.272

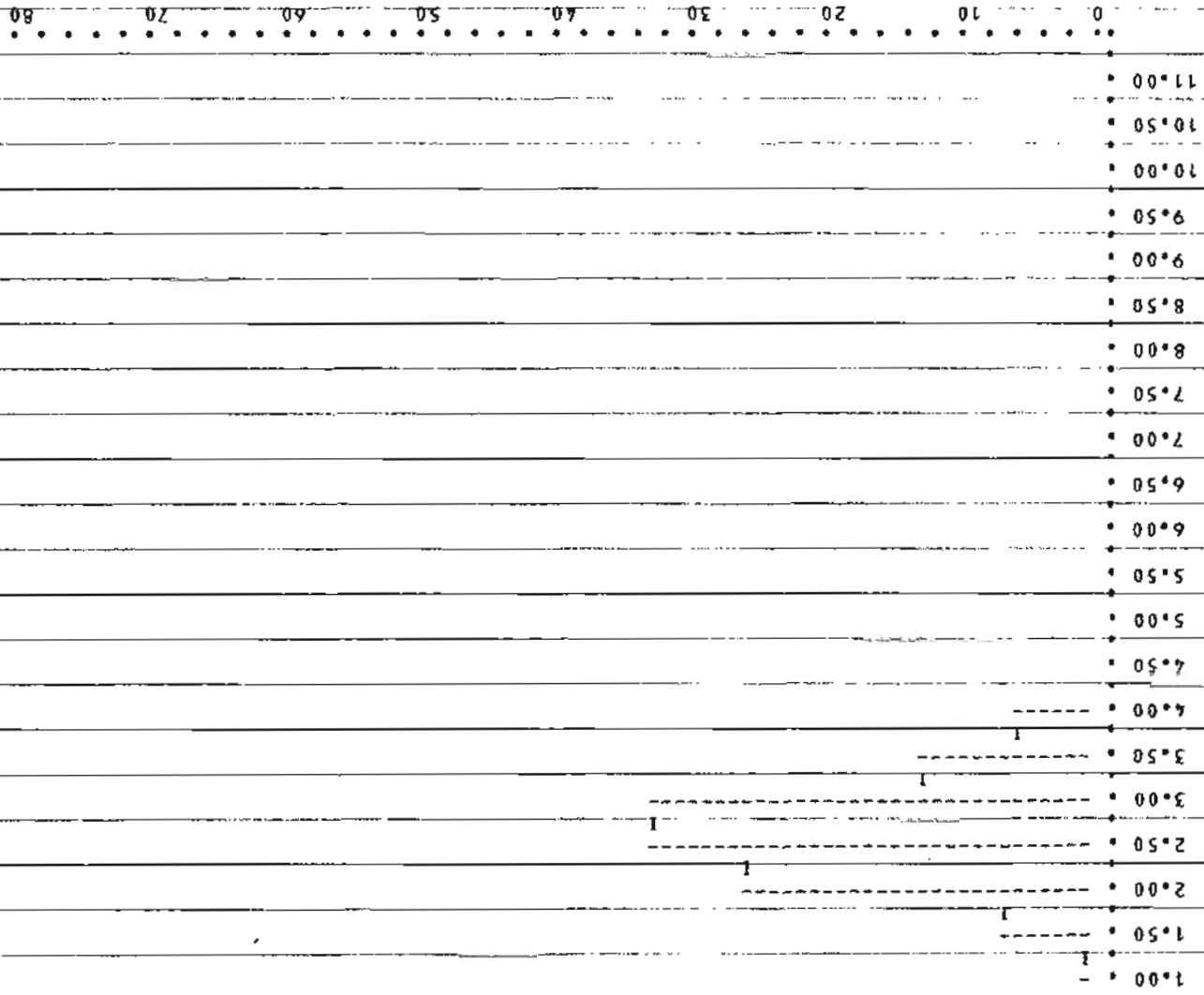
PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER:

5	1.690
16	2.110
25	2.278
50	2.693
75	3.147
84	3.472
95	5.396

SAMPLE NUMBER

35

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

36  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	29.480	GRAMS
CLAY AND SILT WEIGHT	0.460	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	9.240	GRAMS
DETRITUS GREATER THAN 2 MM.	19.78	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.750  
MODE (PHI) 1.643

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.707	1.080	-0.060	1.827

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.686	0.772	-0.082	1.964
		-0.110	

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.854	1.560	1.114	9.184

## COMPOSITE SIZE ANALYSIS 36

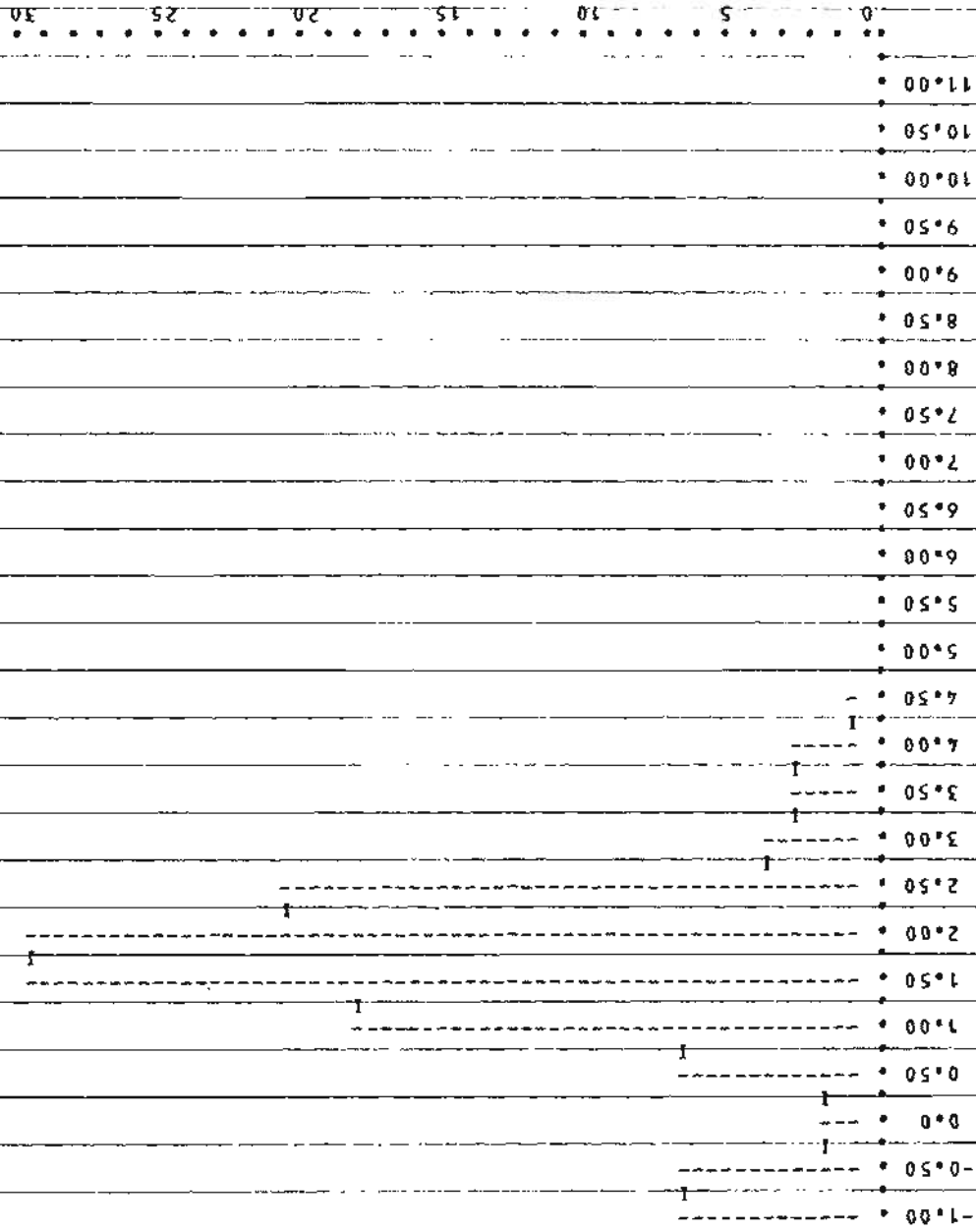
GRAVEL WT.	0.0	SAND WT.	9.24	SILT WT.	0.28	CLAY WT.	0.18
GRAVEL PCT	0.0	SAND PCT	95.26	SILT PCT	2.92	CLAY PCT	1.82
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	20.09	SILT-CLAY RATIO		1.60			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.650	0.650	6.670	6.670
0.0	0.180	0.830	1.900	8.570
0.500	0.180	1.020	1.910	10.480
1.000	0.650	1.660	6.670	17.150
1.500	1.760	3.420	18.100	35.250
2.000	2.860	6.280	29.530	64.780
2.500	2.030	8.320	20.950	85.730
3.000	0.370	8.690	3.810	89.540
3.500	0.280	8.960	2.860	92.400
4.000	0.280	9.240	2.860	95.260
4.500	0.070	9.310	0.690	95.950
5.000	0.040	9.350	0.430	96.380
5.500	0.040	9.380	0.370	96.750
6.000	0.030	9.410	0.300	97.050
6.500	0.020	9.440	0.250	97.300
7.000	0.020	9.460	0.240	97.540
7.500	0.030	9.490	0.270	97.810
8.000	0.040	9.520	0.370	98.180
8.500	0.040	9.560	0.410	98.590
9.000	0.040	9.600	0.390	98.980
9.500	0.040	9.640	0.390	99.370
10.000	0.030	9.670	0.300	99.670
10.500	0.020	9.690	0.200	99.870
11.000	0.010	9.700	0.130	100.000

ONE PERCENTILE -0.925

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.625
16	0.914
25	1.217
50	1.750
75	2.244
84	2.459
95	3.955



FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

37  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	27.610	GRAMS
CLAY AND SILT WEIGHT	0.330	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	17.160	GRAMS
DETRITUS GREATER THAN 2 MM.	10.13	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.721  
MODE (PHI) 1.618

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.656	0.830	-0.191	4.016

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.624	0.420	-0.231	3.875
		-0.740	

VERBALIZATION OF FOLK PARAMETERS

MODERATELY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.692	1.100	0.767	12.249

# COMPOSITE SIZE ANALYSIS 37

GRAVEL WT. 0.0 SAND WT. 17.16 SILT WT. 0.25 CLAY WT. 0.07

GRAVEL PCT 0.0 SAND PCT 98.11 SILT PCT 1.46 CLAY PCT 0.43

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 52.02 SILT-CLAY RATIO 3.43

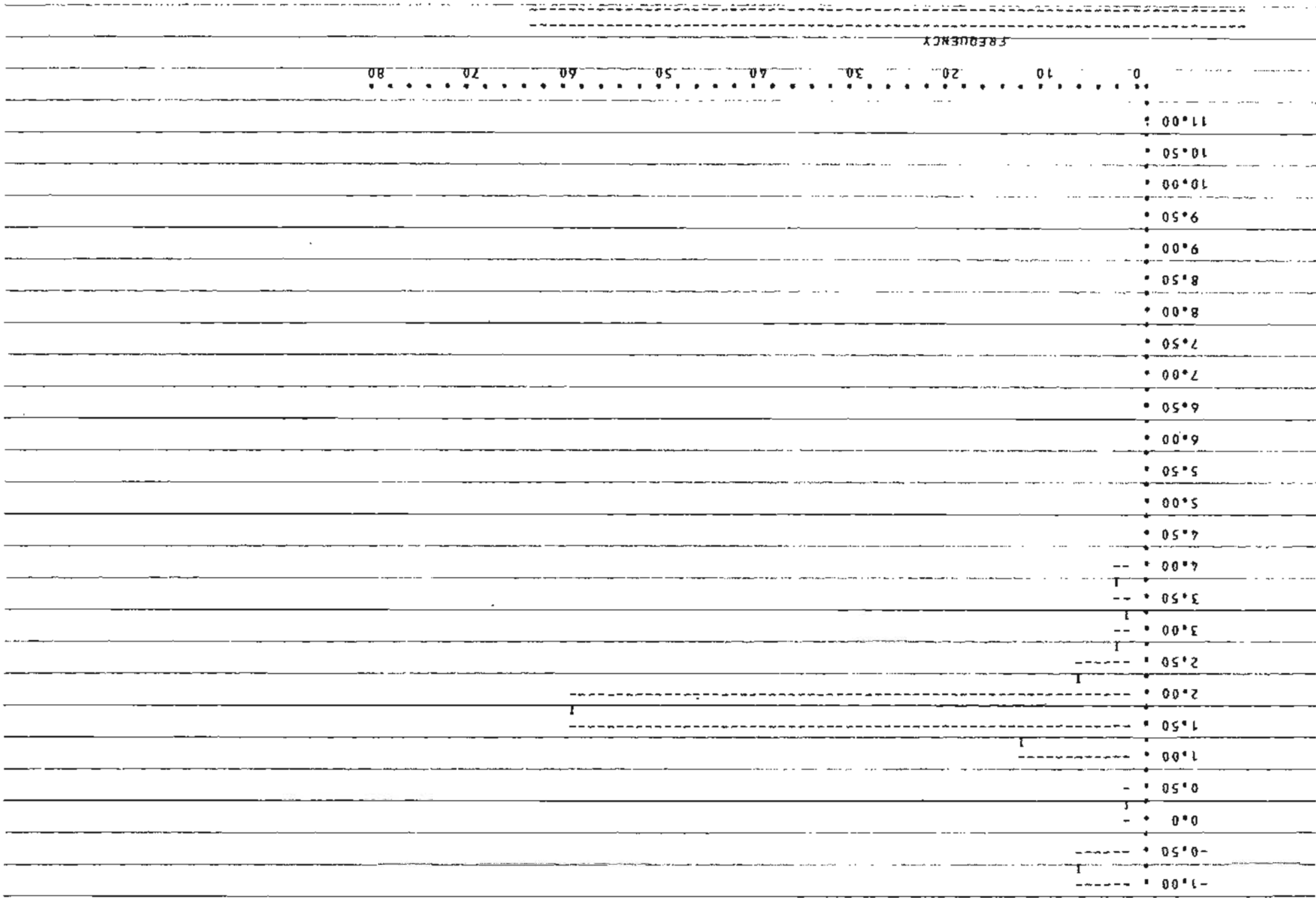
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.200	1.200	6.870	6.870
0.0	0.170	1.370	0.980	7.850
0.500	0.340	1.720	1.960	9.810
1.000	0.170	1.890	0.980	10.790
1.500	2.230	4.120	12.760	23.550
2.000	10.470	14.590	59.850	83.400
2.500	1.200	15.790	6.860	90.260
3.000	0.510	16.300	2.950	93.210
3.500	0.340	16.650	1.960	95.170
4.000	0.510	17.160	2.940	98.110
4.500	0.080	17.240	0.450	98.560
5.000	0.050	17.280	0.270	98.830
5.500	0.030	17.320	0.190	99.020
6.000	0.030	17.350	0.160	99.180
6.500	0.020	17.370	0.110	99.290
7.000	0.020	17.380	0.100	99.390
7.500	0.020	17.400	0.090	99.480
8.000	0.020	17.420	0.090	99.570
8.500	0.020	17.430	0.100	99.670
9.000	0.020	17.450	0.090	99.760
9.500	0.020	17.460	0.090	99.850
10.000	0.010	17.480	0.080	99.930
10.500	0.010	17.480	0.040	99.970
11.000	0.010	17.490	0.030	100.000

ONE PERCENTILE -0.927

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.636
16	1.204
25	1.512
50	1.721
75	1.930
84	2.044
95	3.457

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

39  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	28.060	GRAMS
CLAY AND SILT WEIGHT	2.610	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	15.600	GRAMS
DETRITUS GREATER THAN 2 MM.	9.83	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.704  
MODE (PHI) 2.236

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.738	1.622	0.113	1.904

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.754	1.176	0.043 0.532	1.901

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.886	1.867	0.621	3.575

## COMPOSITE SIZE ANALYSIS 39

GRAVEL WT.	0.0	SAND WT.	15.60	SILT WT.	1.97	CLAY WT.	0.64
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GRAVEL PCT	0.0	SAND PCT	85.67	SILT PCT	10.83	CLAY PCT	3.50
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	5.98	SILT-CLAY RATIO	3.09
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.780	0.780	4.280	4.280
0.0	0.160	0.940	0.860	5.140
0.500	0.470	1.400	2.570	7.710
1.000	0.470	1.870	2.570	10.280
1.500	0.860	2.730	4.710	14.990
2.000	1.170	3.900	6.430	21.420
2.500	3.740	7.640	20.560	41.980
3.000	3.590	11.230	19.700	61.680
3.500	2.180	13.420	11.990	73.670
4.000	2.180	15.600	12.000	85.670
4.500	0.840	16.440	4.610	90.280
5.000	0.350	16.790	1.940	92.220
5.500	0.220	17.010	1.210	93.430
6.000	0.140	17.150	0.740	94.170
6.500	0.100	17.250	0.570	94.740
7.000	0.100	17.350	0.540	95.280
7.500	0.100	17.450	0.560	95.840
8.000	0.120	17.570	0.660	96.500
8.500	0.150	17.730	0.840	97.340
9.000	0.160	17.880	0.870	98.210
9.500	0.150	18.030	0.810	99.020
10.000	0.100	18.130	0.540	99.560
10.500	0.050	18.180	0.280	99.840
11.000	0.030	18.210	0.160	100.000

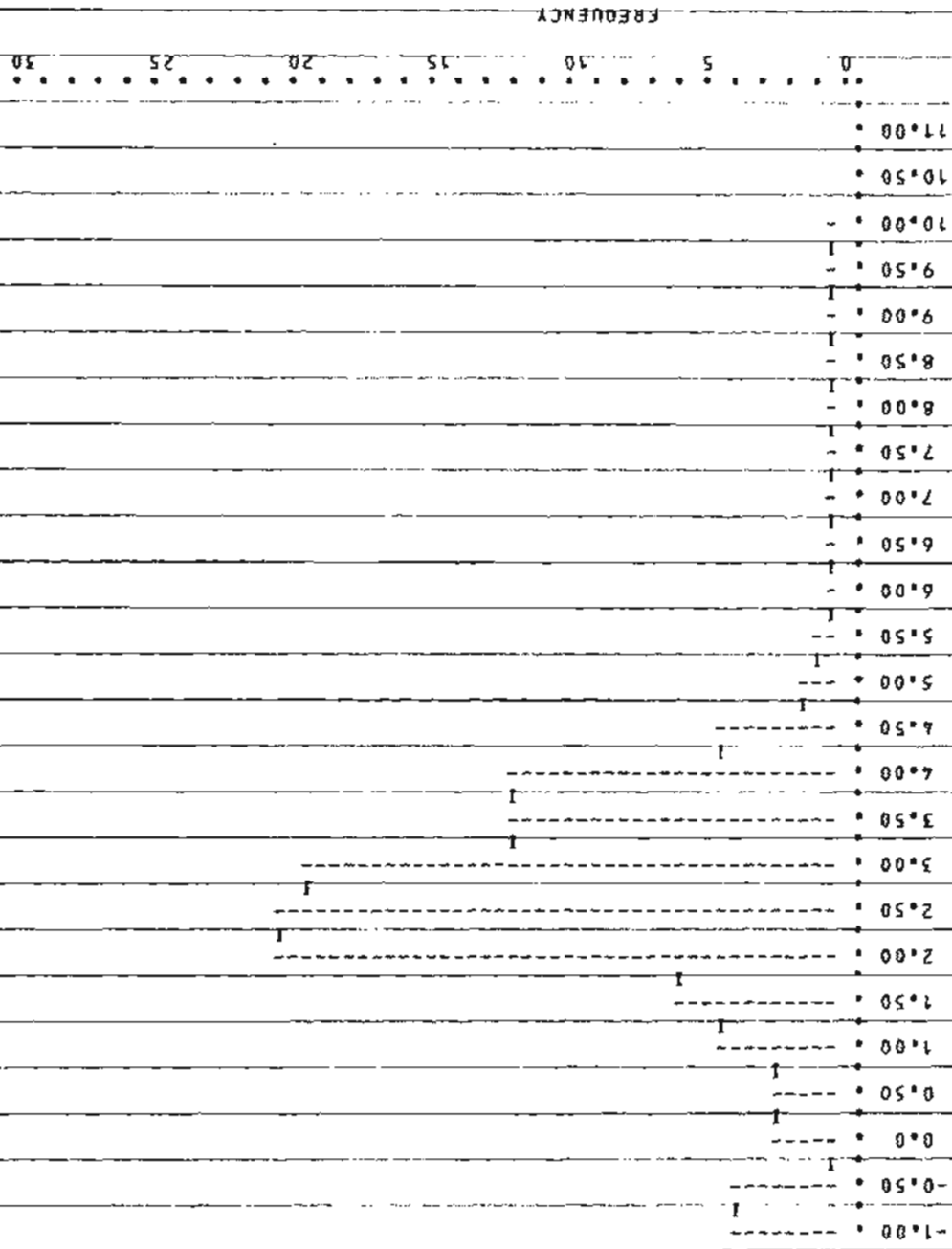
ONE PERCENTILE -0.883

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER:

5	-0.081
16	1.579
25	2.087
50	2.704
75	3.555
84	3.930
95	6.741

39  
SAMPLE NUMBER

pH



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

41  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.620	GRAMS
CLAY AND SILT WEIGHT	0.320	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	24.300	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.222  
MODE (PHI) 2.106

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.219	0.452	0.089	1.418

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.217	0.417	-0.013 0.368	0.927

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.291	0.661	2.629	47.468

# COMPOSITE SIZE ANALYSIS 41

GRAVEL WT.	0.0	SAND WT.	24.30	SILT WT.	0.25	CLAY WT.	0.07
GRAVEL PCT	0.0	SAND PCT	98.70	SILT PCT	1.01	CLAY PCT	0.29
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	75.96			SILT-CLAY RATIO	3.50		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.360	0.360	1.480	1.480
2.000	5.950	6.320	24.180	25.660
2.500	13.490	19.800	54.780	80.440
3.000	3.280	23.080	13.330	93.770
3.500	0.850	23.940	3.450	97.220
4.000	0.360	24.300	1.480	98.700
4.500	0.050	24.350	0.210	98.910
5.000	0.050	24.400	0.190	99.100
5.500	0.050	24.440	0.190	99.290
6.000	0.030	24.480	0.140	99.430
6.500	0.020	24.500	0.100	99.530
7.000	0.020	24.520	0.070	99.600
7.500	0.010	24.540	0.060	99.660
8.000	0.010	24.550	0.050	99.710
8.500	0.010	24.560	0.060	99.770
9.000	0.010	24.570	0.050	99.820
9.500	0.010	24.590	0.060	99.880
10.000	0.010	24.600	0.050	99.930
10.500	0.010	24.610	0.040	99.970
11.000	0.010	24.620	0.030	100.000

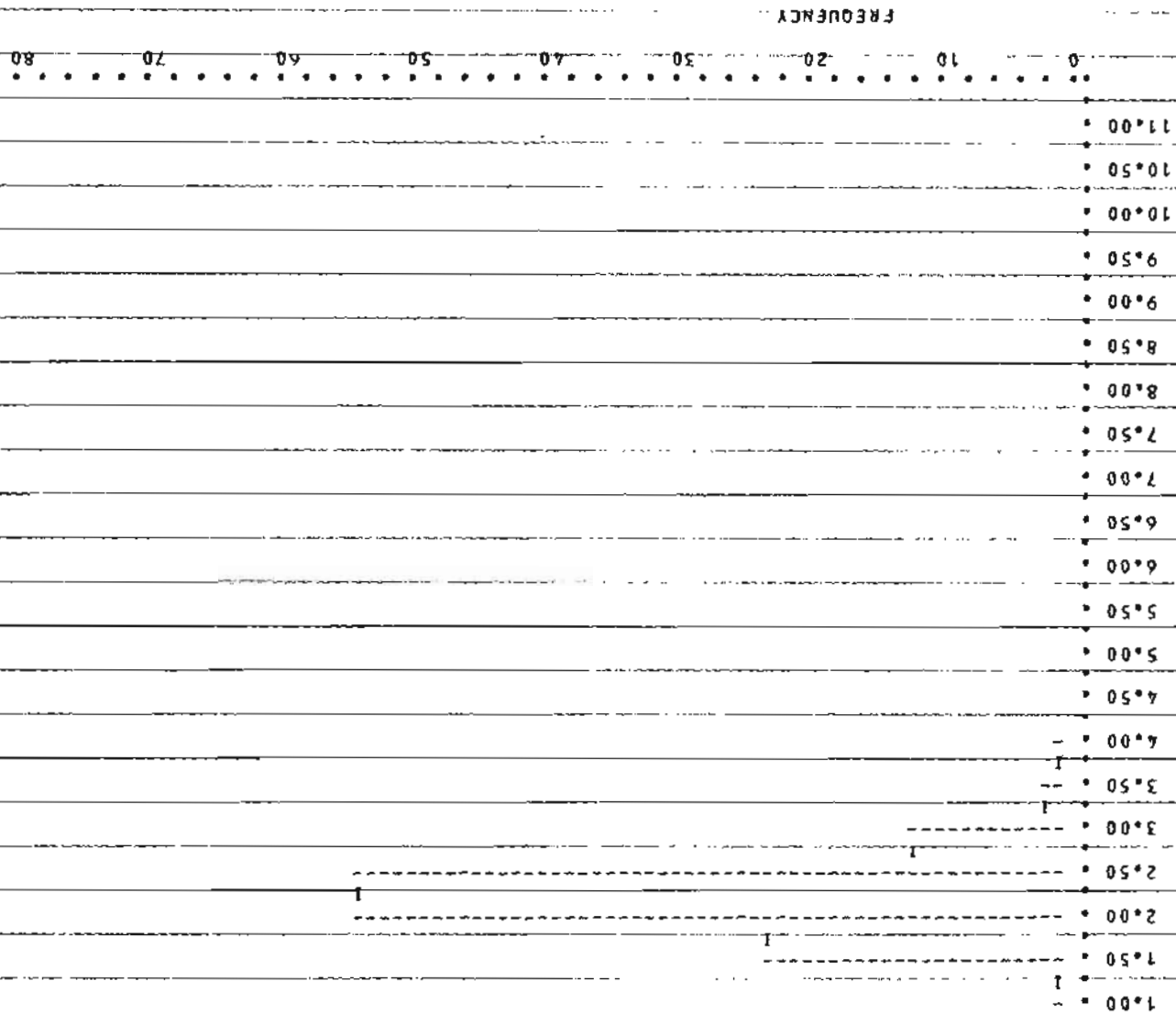
ONE PERCENTILE 1.338

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER	
5	1.573
16	1.800
25	1.986
50	2.222
75	2.450
84	2.634
95	3.178

pH1

SAMPLE NUMBER

61



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

42  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.560	GRAMS
CLAY AND SILT WEIGHT	1.740	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	22.820	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.384  
MODE (PHI) 3.218

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.371	0.577	0.115	1.260

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.365	0.505	-0.036 0.563	1.120

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.506	0.933	1.999	21.384

## COMPOSITE SIZE ANALYSIS 42

GRAVEL WT. 0.0 SAND WT. 22.82 SILT WT. 1.42 CLAY WT. 0.32

GRAVEL PCT 0.0 SAND PCT 92.92 SILT PCT 5.79 CLAY PCT 1.30

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 13.12 SILT-CLAY RATIO 4.47

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.230	0.230	0.930	0.930
3.000	5.130	5.360	20.910	21.840
3.500	9.010	14.380	36.700	58.540
4.000	8.440	22.820	34.380	92.920
4.500	0.380	23.200	1.560	94.480
5.000	0.270	23.470	1.090	95.570
5.500	0.260	23.730	1.060	96.610
6.000	0.180	23.910	0.730	97.340
6.500	0.120	24.030	0.490	97.830
7.000	0.090	24.120	0.360	98.190
7.500	0.060	24.180	0.270	98.460
8.000	0.060	24.240	0.240	98.700
8.500	0.060	24.300	0.250	98.950
9.000	0.060	24.370	0.260	99.210
9.500	0.070	24.440	0.290	99.500
10.000	0.060	24.500	0.240	99.740
10.500	0.060	24.560	0.160	99.900
11.000	0.020	24.560	0.100	100.000

ONE PERCENTILE 2.502

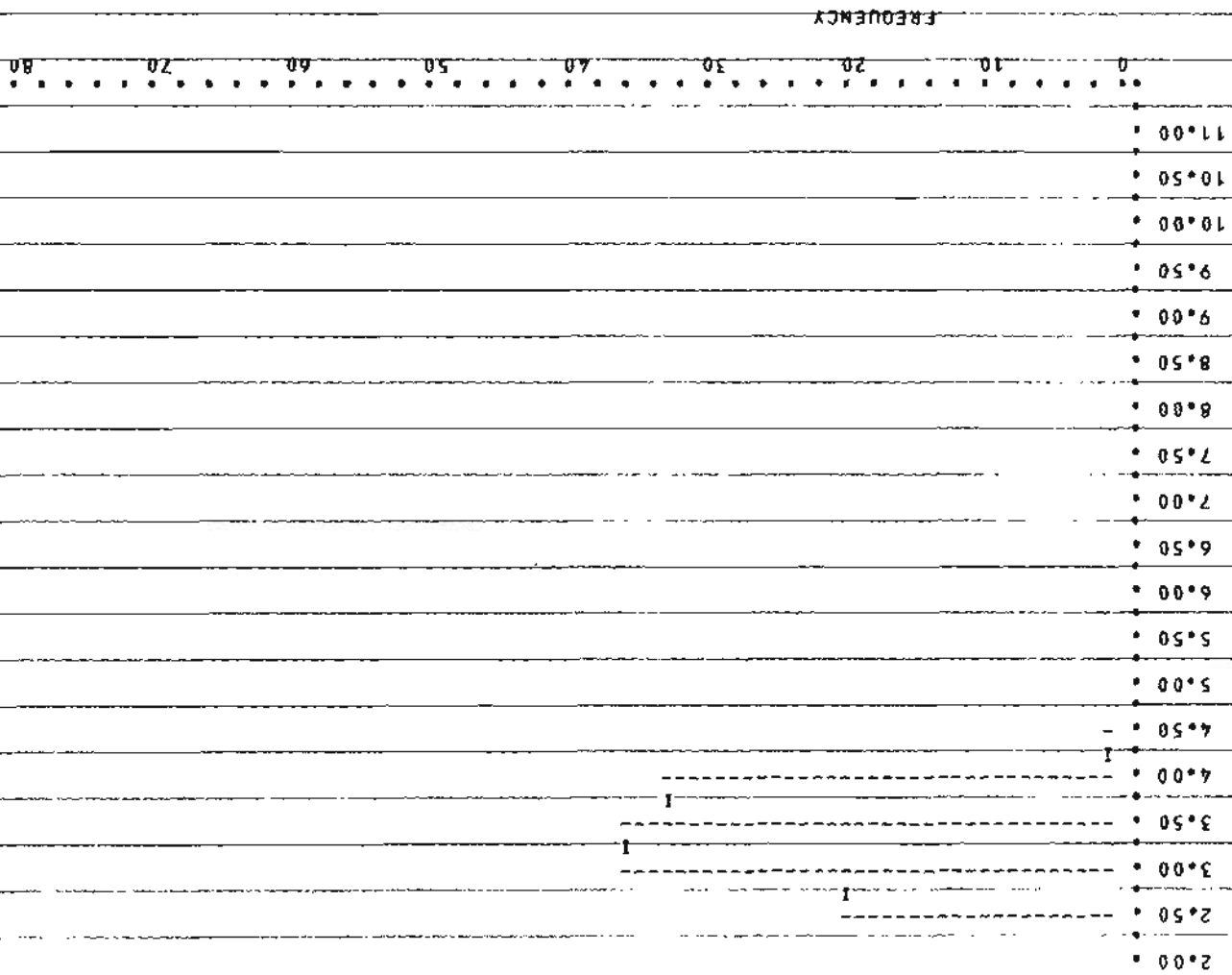
PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5	2.597
16	2.860
25	3.043
50	3.384
75	3.739
84	3.870
95	4.739

SAMPLE NUMBER

42

BH1



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

43  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	22.150	GRAMS
CLAY AND SILT WEIGHT	15.220	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	6.550	GRAMS
DETRITUS GREATER THAN 2 MM.	0.38	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.234  
MODE (PHI) 3.601

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.738	2.315	0.303	0.793

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.990	2.496	0.303 0.427	0.410

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.697	2.268	0.219	-0.697

## COMPOSITE SIZE ANALYSIS 43

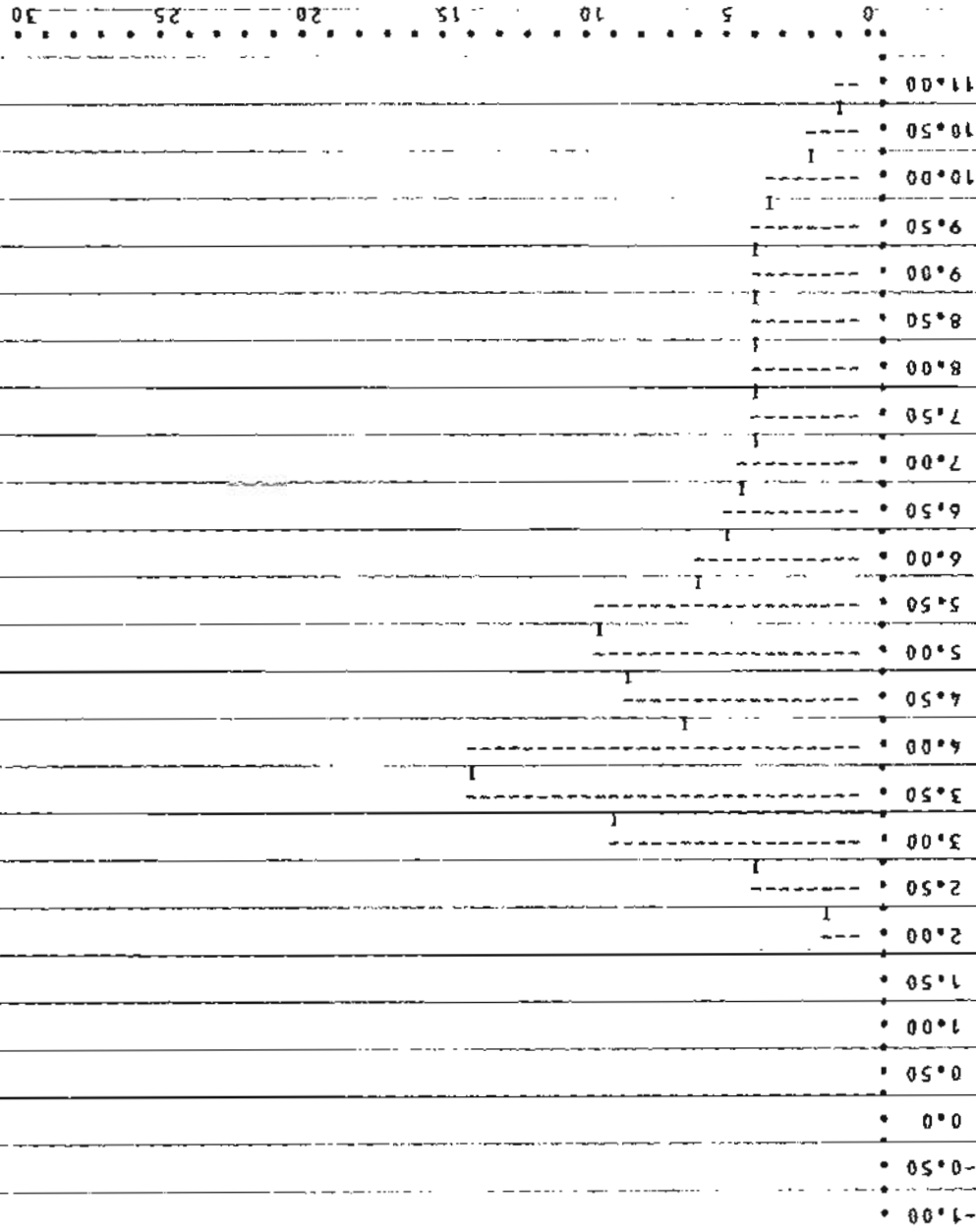
GRAVEL WT.	0.0	SAND WT.	6.55	SILT WT.	10.80	CLAY WT.	4.42
GRAVEL PCT	0.0	SAND PCT	30.09	SILT PCT	49.61	CLAY PCT	20.30
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	0.43			SILT-CLAY RATIO	2.44		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.030	0.030	0.150	0.150
0.0	0.030	0.070	0.150	0.300
0.500	0.030	0.100	0.150	0.450
1.000	0.030	0.130	0.150	0.600
1.500	0.0	0.130	0.0	0.600
2.000	0.030	0.160	0.150	0.750
2.500	0.390	0.560	1.810	2.560
3.000	0.950	1.510	4.360	6.920
3.500	2.000	3.500	9.180	16.100
4.000	3.050	6.550	13.990	30.090
4.500	1.490	8.040	6.860	36.950
5.000	1.870	9.910	8.580	45.530
5.500	2.080	11.990	9.570	55.100
6.000	1.400	13.400	6.440	61.540
6.500	1.120	14.520	5.140	66.680
7.000	0.980	15.500	4.500	71.180
7.500	0.910	16.410	4.200	75.380
8.000	0.940	17.350	4.320	79.700
8.500	0.960	18.310	4.420	84.120
9.000	0.910	19.220	4.180	88.300
9.500	0.950	20.170	4.350	92.650
10.000	0.800	20.970	3.680	96.330
10.500	0.500	21.470	2.280	98.610
11.000	0.300	21.770	1.390	100.000

ONE PERCENTILE 2.069

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5	2.780
16	3.495
25	3.818
50	5.234
75	7.455
84	8.486
95	9.819



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

44  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	28.720	GRAMS
CLAY AND SILT WEIGHT	0.400	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	25.190	GRAMS
DETRITUS GREATER THAN 2 MM.	3.13	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.572  
MODE (PHI) 1.602

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.175	1.014	-0.521	1.583

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.976	1.037	-0.575 -0.736	0.576

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.324	1.182	0.478	8.201

## COMPOSITE SIZE ANALYSIS 44

GRAVEL WT.	0.0	SAND WT.	25.19	SILT WT.	0.32	CLAY WT.	0.08
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GRAVEL PCT	0.0	SAND PCT	98.44	SILT PCT	1.26	CLAY PCT	0.30
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	62.99	SILT-CLAY RATIO	4.23
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	3.650	3.650	14.270	14.270
0.0	0.500	4.160	1.970	16.240
0.500	0.880	5.040	3.450	19.690
1.000	0.880	5.920	3.440	23.130
1.500	5.420	11.340	21.170	44.300
2.000	10.080	21.410	39.370	83.670
2.500	3.270	24.690	12.800	96.470
3.000	0.250	24.940	0.980	97.450
3.500	0.130	25.060	0.500	97.950
4.000	0.130	25.190	0.490	98.440
4.500	0.040	25.230	0.170	98.610
5.000	0.060	25.300	0.250	98.860
5.500	0.070	25.370	0.270	99.130
6.000	0.050	25.420	0.210	99.340
6.500	0.030	25.450	0.130	99.470
7.000	0.020	25.480	0.090	99.560
7.500	0.020	25.500	0.070	99.630
8.000	0.020	25.510	0.070	99.700
8.500	0.020	25.530	0.060	99.760
9.000	0.010	25.540	0.060	99.820
9.500	0.010	25.560	0.050	99.870
10.000	0.010	25.570	0.060	99.930
10.500	0.010	25.580	0.040	99.970
11.000	0.010	25.590	0.030	100.000

ONE PERCENTILE -0.965

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5 -0.825

16 -0.061

25 1.044

50 1.572

75 1.890

84 2.013

95 2.443

SAMPLE NUMBER

PHI

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0

10

20

30

40

50

60

70

80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

45  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	32.280	GRAMS
CLAY AND SILT WEIGHT	0.400	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	29.630	GRAMS
DETRITUS GREATER THAN 2 MM.	2.25	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.967  
MODE (PHI) 1.678

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.039	0.476	0.343	1.041

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.076	0.453	0.240 0.808	0.814

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.094	0.786	1.362	25.400

## COMPOSITE SIZE ANALYSIS 45

GRAVEL WT. 0.0 SAND WT. 29.63 SILT WT. 0.32 CLAY WT. 0.08

GRAVEL PCT 0.0 SAND PCT 98.67 SILT PCT 1.07 CLAY PCT 0.27

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 74.10 SILT-CLAY RATIO 4.00

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.440	0.440	1.480	1.480
0.0	0.0	0.440	0.0	1.480
0.500	0.0	0.440	0.0	1.480
1.000	0.150	0.590	0.490	1.970
1.500	0.590	1.190	1.980	3.950
2.000	14.820	16.000	49.330	53.280
2.500	9.040	25.040	30.090	83.370
3.000	3.260	28.300	10.860	94.230
3.500	0.740	29.040	2.470	96.700
4.000	0.590	29.630	1.970	98.670
4.500	0.050	29.680	0.160	98.830
5.000	0.060	29.740	0.200	99.030
5.500	0.070	29.800	0.220	99.250
6.000	0.050	29.850	0.150	99.400
6.500	0.030	29.880	0.120	99.520
7.000	0.030	29.910	0.080	99.600
7.500	0.020	29.930	0.070	99.670
8.000	0.020	29.950	0.060	99.730
8.500	0.020	29.970	0.070	99.800
9.000	0.020	29.990	0.060	99.860
9.500	0.020	30.000	0.060	99.920
10.000	0.010	30.020	0.040	99.960
10.500	0.010	30.030	0.020	99.980
11.000	0.0	30.030	0.020	100.000

ONE PERCENTILE -0.662

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.511
16	1.622
25	1.713
50	1.967
75	2.361
84	2.529
95	3.156

PHI

45

SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

46  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	30.620	GRAMS
CLAY AND SILT WEIGHT	0.530	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	27.260	GRAMS
DETRITUS GREATER THAN 2 MM.	2.83	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.279  
MODE (PHI) 1.127

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.293	0.529	0.085	1.060

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.300	0.532	0.040	0.628
		0.210	

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.354	0.906	2.189	33.501

# COMPOSITE SIZE ANALYSIS 46

GRAVEL WT. 0.0 SAND WT. 27.26 SILT WT. 0.41 CLAY WT. 0.12

GRAVEL PCT 0.0 SAND PCT 98.09 SILT PCT 1.48 CLAY PCT 0.42

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 51.44 SILT-CLAY RATIO 3.50

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.410	0.410	1.470	1.470
0.0	0.270	0.680	0.980	2.450
0.500	0.410	1.090	1.470	3.920
1.000	6.270	7.360	22.570	26.490
1.500	11.720	19.080	42.180	68.670
2.000	6.410	25.490	23.050	91.720
2.500	1.770	27.260	6.370	98.090
3.000	0.0	27.260	0.0	98.090
3.500	0.0	27.260	0.0	98.090
4.000	0.0	27.260	0.0	98.090
4.500	0.100	27.360	0.360	98.450
5.000	0.080	27.430	0.270	98.720
5.500	0.070	27.500	0.240	98.960
6.000	0.050	27.550	0.180	99.140
6.500	0.040	27.590	0.140	99.280
7.000	0.030	27.620	0.120	99.400
7.500	0.030	27.650	0.090	99.490
8.000	0.020	27.670	0.090	99.580
8.500	0.020	27.700	0.080	99.660
9.000	0.020	27.720	0.090	99.750
9.500	0.020	27.740	0.080	99.830
10.000	0.020	27.770	0.080	99.910
10.500	0.010	27.780	0.050	99.960
11.000	0.010	27.790	0.040	100.000

ONE PERCENTILE -0.660

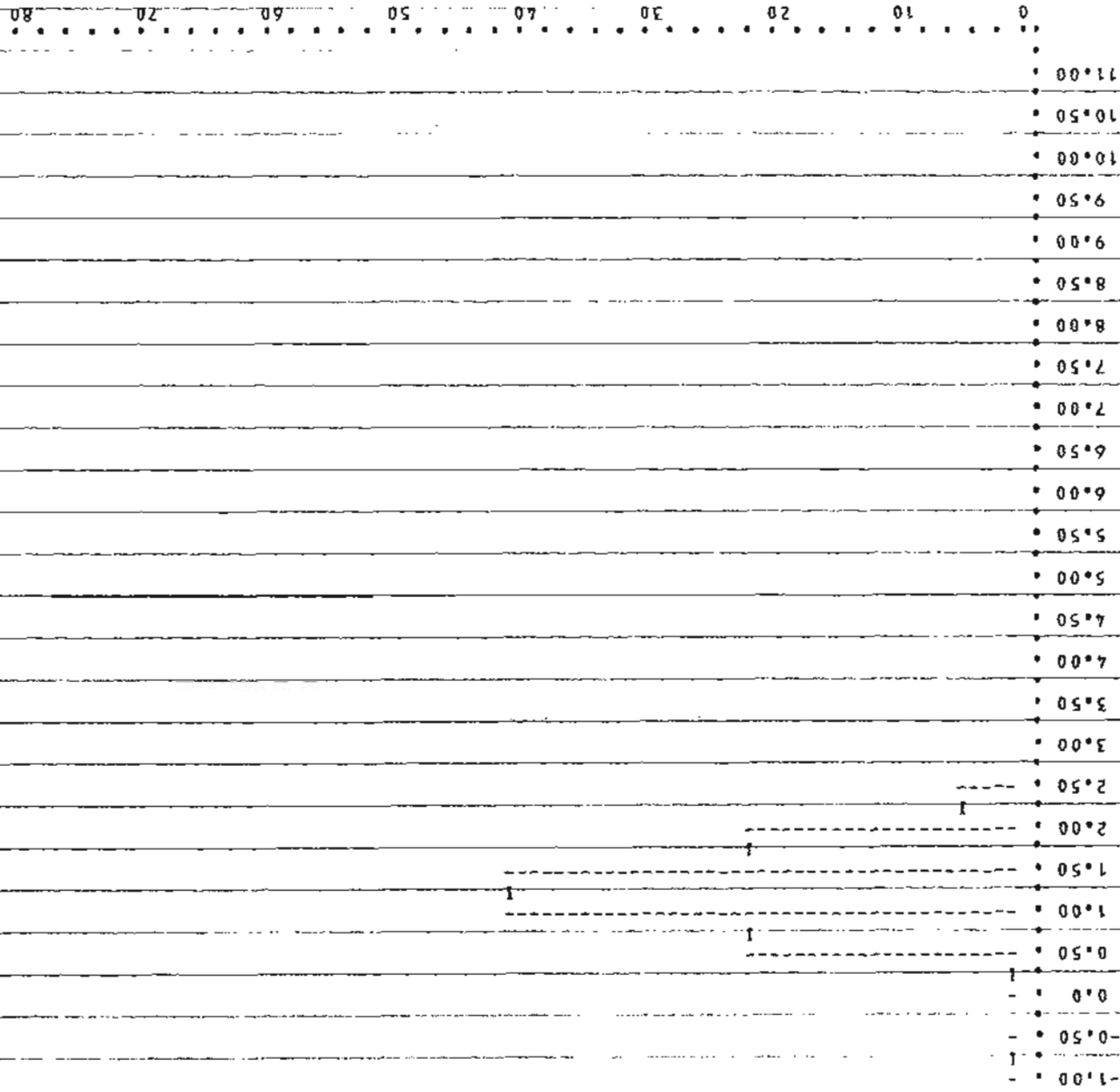
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETER

5	0.524
16	0.768
25	0.967
50	1.279
75	1.637
84	1.833
95	2.257

PH1

SAMPLE NUMBER

46



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

48  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	23.280	GRAMS
CLAY AND SILT WEIGHT	13.320	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	8.660	GRAMS
DETRITUS GREATER THAN 2 MM.	1.30	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.173  
MODE (PHI) 2.162

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.225	2.629	0.106	0.669

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.251	2.942	0.026 0.240	0.299

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
FINE SKEWED  
PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.191	2.594	0.161	-1.123

## COMPOSITE SIZE ANALYSIS 48

GRAVEL WT. 0.0 SAND WT. 8.66 SILT WT. 9.43 CLAY WT. 3.89

GRAVEL PCT 0.0 SAND PCT 39.40 SILT PCT 42.91 CLAY PCT 17.69

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 0.65 SILT-CLAY RATIO 2.43

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.170	0.170	0.790	0.790
2.000	0.350	0.520	1.570	2.360
2.500	4.850	5.370	22.070	24.430
3.000	2.420	7.790	11.030	35.460
3.500	0.520	8.310	2.360	37.820
4.000	0.350	8.660	1.580	39.400
4.500	0.760	9.420	3.450	42.850
5.000	1.100	10.520	4.990	47.840
5.500	1.370	11.890	6.230	54.070
6.000	1.380	13.270	6.290	60.360
6.500	1.420	14.680	6.450	66.810
7.000	1.340	16.020	6.090	72.900
7.500	1.120	17.140	5.080	77.980
8.000	0.950	18.090	4.330	82.310
8.500	0.960	19.050	4.380	86.690
9.000	0.790	19.850	3.620	90.310
9.500	0.770	20.620	3.490	93.800
10.000	0.660	21.280	2.990	96.790
10.500	0.430	21.700	1.950	98.740
11.000	0.280	21.980	1.260	100.000

ONE PERCENTILE 1.567

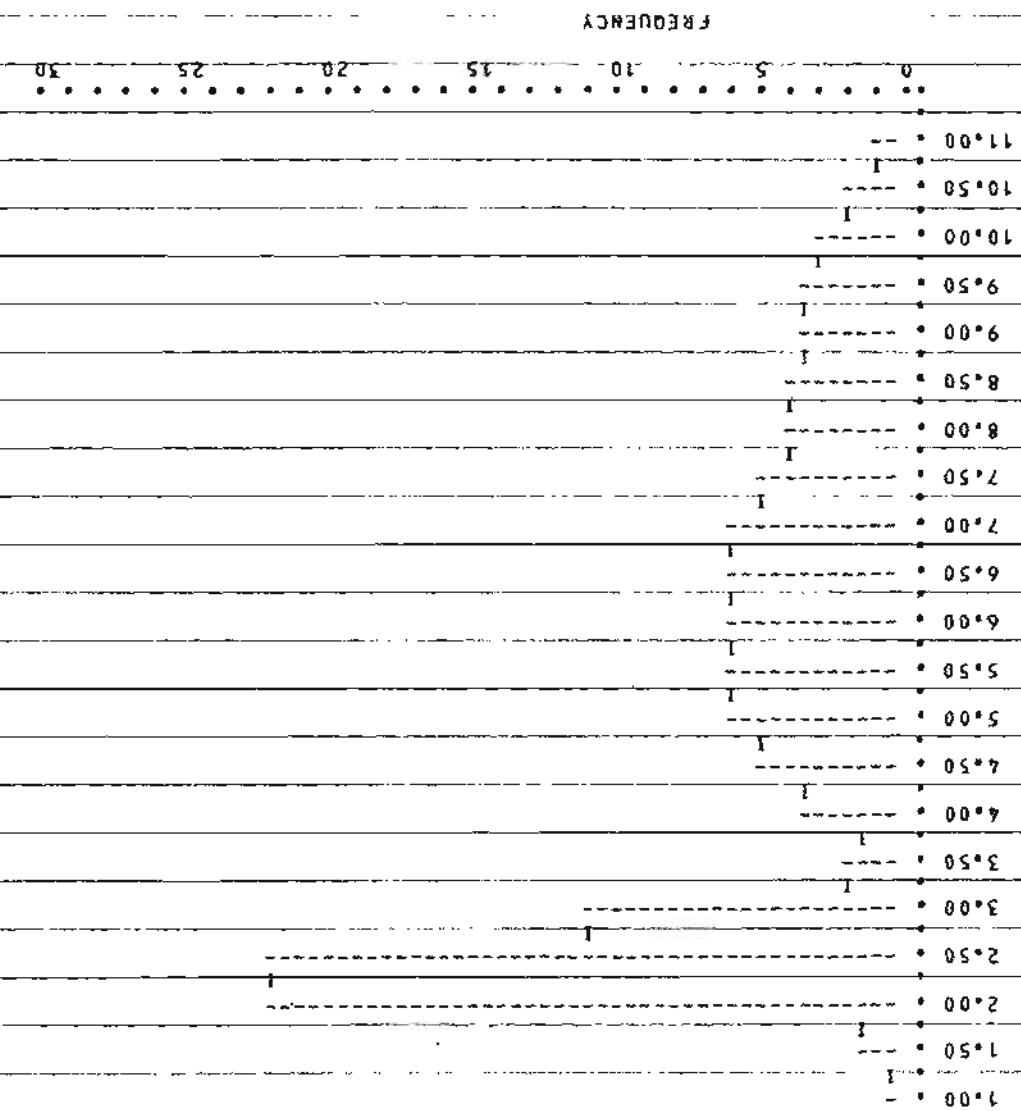
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.060
16	2.309
25	2.526
50	5.173
75	7.207
84	8.193
95	9.701

SAMPLE NUMBER

68

PMI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

49  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	31.170	GRAMS
CLAY AND SILT WEIGHT	0.260	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	6.940	GRAMS
DETRITUS GREATER THAN 2 MM.	23.97	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.471  
MODE (PHI) 1.545

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.313	0.920	-0.282	1.705

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.233	0.774	-0.308	1.277
		-0.583	

VERBALIZATION OF FOLK PARAMETERS

MODERATELY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.419	1.302	1.060	11.450

# COMPOSITE SIZE ANALYSIS 49

GRAVEL WT. 0.0 SAND WT. 6.94 SILT WT. 0.21 CLAY WT. 0.05

GRAVEL PCT 0.0 SAND PCT 96.39 SILT PCT 2.92 CLAY PCT 0.69

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 26.69 SILT-CLAY RATIO 4.22

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.690	0.690	9.640	9.640
0.0	0.140	0.830	1.930	11.570
0.500	0.350	1.180	4.820	16.390
1.000	0.560	1.730	7.710	24.100
1.500	1.980	3.710	27.470	51.570
2.000	2.320	6.040	32.290	83.860
2.500	0.760	6.800	10.600	94.460
3.000	0.070	6.870	0.960	95.420
3.500	0.070	6.940	0.970	96.390
4.000	0.0	6.940	0.0	96.390
4.500	0.060	7.000	0.830	97.220
5.000	0.040	7.040	0.540	97.760
5.500	0.030	7.070	0.420	98.180
6.000	0.020	7.090	0.340	98.520
6.500	0.020	7.110	0.270	98.790
7.000	0.020	7.130	0.210	99.000
7.500	0.010	7.140	0.160	99.160
8.000	0.010	7.150	0.150	99.310
8.500	0.010	7.160	0.150	99.460
9.000	0.010	7.170	0.130	99.590
9.500	0.010	7.180	0.130	99.720
10.000	0.010	7.190	0.130	99.850
10.500	0.010	7.200	0.090	99.940
11.000	0.0	7.200	0.060	100.000

ONE PERCENTILE -0.948

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.741
16	0.460
25	1.016
50	1.471
75	1.863
84	2.007
95	2.781

SAMPLE NUMBER

49

pH

-1.00  
-0.50  
0.00  
0.50  
1.00  
1.50  
2.00  
2.50  
3.00  
3.50  
4.00  
4.50  
5.00  
5.50  
6.00  
6.50  
7.00  
7.50  
8.00  
8.50  
9.00  
9.50  
10.00  
10.50  
11.00

FREQUENCY

0  
10  
20  
30  
40  
50  
60  
70  
80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

150  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	20.520	GRAMS
CLAY AND SILT WEIGHT	4.200	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	16.320	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.382  
MODE (PHI) 3.050

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.600	1.203	0.514	2.104

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.709	0.925	0.354 1.780	1.643

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.828	1.500	1.193	5.759

## COMPOSITE SIZE ANALYSIS 150

GRAVEL WT.	0.0	SAND WT.	16.32	SILT WT.	3.39	CLAY WT.	0.81
GRAVEL PCT	0.0	SAND PCT	79.53	SILT PCT	16.53	CLAY PCT	3.94
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	3.89	SILT-CLAY RATIO		4.19			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.080	0.080	0.400	0.400
3.000	5.630	5.710	27.440	27.840
3.500	5.960	11.670	29.030	56.870
4.000	4.650	16.320	22.660	79.530
4.500	0.730	17.050	3.580	83.110
5.000	0.680	17.740	3.330	86.440
5.500	0.540	18.270	2.610	89.050
6.000	0.430	18.700	2.090	91.140
6.500	0.330	19.030	1.610	92.750
7.000	0.260	19.290	1.270	94.020
7.500	0.210	19.510	1.040	95.060
8.000	0.200	19.710	1.000	96.060
8.500	0.180	19.890	0.870	96.930
9.000	0.160	20.050	0.800	97.730
9.500	0.170	20.220	0.820	98.550
10.000	0.140	20.370	0.700	99.250
10.500	0.100	20.460	0.460	99.710
11.000	0.060	20.520	0.290	100.000

DNF PERCENTILE 2.511

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.584
16	2.784
25	2.948
50	3.382
75	3.900
84	4.634
95	7.471

PHI

150

SAMPLE NUMBER

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

0 5 10 15 20 25 30

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

152  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	20.390	GRAMS
CLAY AND SILT WEIGHT	0.060	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	20.330	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.702  
MODE (PHI) 2.607

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.665	0.349	-0.076	1.284

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.647	0.323	-0.169	0.913
		0.033	

VERBALIZATION OF FOLK PARAMETERS

VERY WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.700	0.372	1.908	55.634

## COMPOSITE SIZE ANALYSIS 152

GRAVEL WT.	0.0	SAND WT.	20.33	SILT WT.	0.05	CLAY WT.	0.01
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GRAVEL PCT	0.0	SAND PCT	99.71	SILT PCT	0.25	CLAY PCT	0.04
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	339.45	SILT-CLAY RATIO	6.05
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.100	0.100	0.500	0.500
2.500	4.880	4.980	23.930	24.430
3.000	12.910	17.890	63.310	87.740
3.500	2.240	20.130	10.970	98.710
4.000	0.200	20.330	1.000	99.710
4.500	0.010	20.340	0.030	99.740
5.000	0.010	20.350	0.060	99.800
5.500	0.010	20.360	0.050	99.850
6.000	0.010	20.370	0.040	99.890
6.500	0.010	20.370	0.030	99.920
7.000	0.0	20.380	0.020	99.940
7.500	0.0	20.380	0.010	99.950
8.000	0.0	20.380	0.010	99.960
8.500	0.0	20.380	0.010	99.970
9.000	0.0	20.380	0.010	99.980
9.500	0.0	20.390	0.0	99.980
10.000	0.0	20.390	0.010	99.990
10.500	0.0	20.390	0.010	100.000
11.000	0.0	20.390	0.0	100.000

ONE PERCENTILE	2.010
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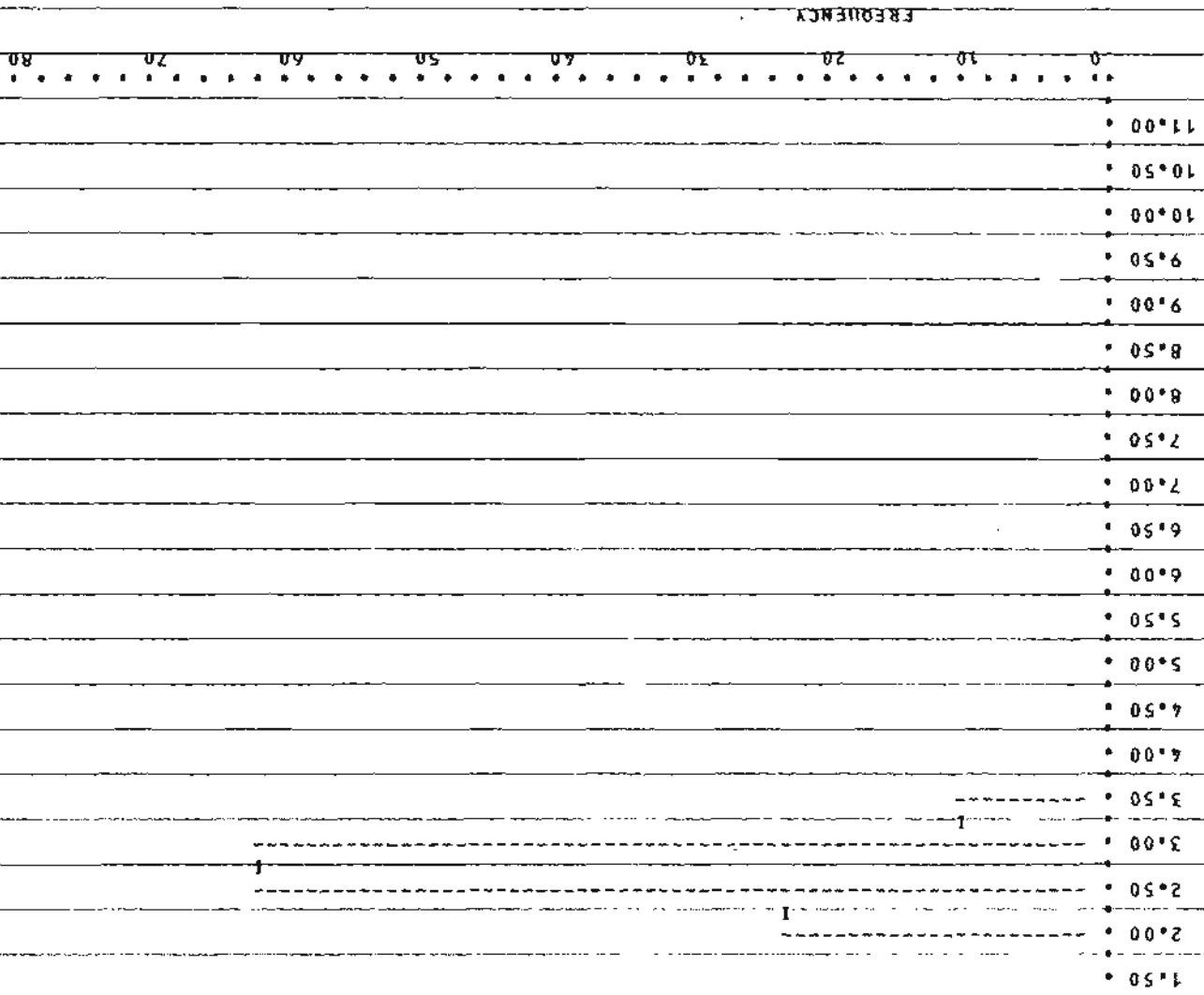
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.094
16	2.324
25	2.505
50	2.702
75	2.899
84	2.970
95	3.331

PHI

152

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

300  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	25.690	GRAMS
CLAY AND SILT WEIGHT	0.560	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	23.090	GRAMS
DETRITUS GREATER THAN 2 MM.	2.04	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.307

MODE (PHI) 2.139

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.360	0.409	0.245	1.889

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.386	0.321	0.246 0.621	1.554

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED

FINE SKEWED

VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.425	0.891	2.511	36.460

# COMPOSITE SIZE ANALYSIS 300

GRAVEL WT.	0.0	SAND WT.	23.09	SILT WT.	0.35	CLAY WT.	0.21
GRAVEL PCT	0.0	SAND PCT	97.63	SILT PCT	1.47	CLAY PCT	0.89
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	41.24			SILT-CLAY RATIO	1.65		

PHI	GRADE WT.	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.0	0.0	0.0	0.0	0.0
0.500	0.230	0.230	0.980	0.980
1.000	0.230	0.460	0.970	1.950
1.500	0.460	0.920	1.960	3.910
2.000	0.690	1.620	2.920	6.830
2.500	16.620	18.240	70.300	77.130
3.000	3.930	22.170	16.600	93.730
3.500	0.460	22.630	1.950	95.680
4.000	0.460	23.090	1.950	97.630
4.500	0.090	23.180	0.370	98.000
5.000	0.060	23.230	0.240	98.240
5.500	0.050	23.290	0.220	98.460
6.000	0.040	23.320	0.160	98.620
6.500	0.030	23.350	0.130	98.750
7.000	0.020	23.380	0.100	98.850
7.500	0.030	23.400	0.110	98.960
8.000	0.030	23.440	0.150	99.110
8.500	0.040	23.480	0.180	99.290
9.000	0.040	23.520	0.180	99.470
9.500	0.040	23.570	0.170	99.640
10.000	0.040	23.600	0.160	99.800
10.500	0.030	23.630	0.120	99.920
11.000	0.020	23.650	0.080	100.000

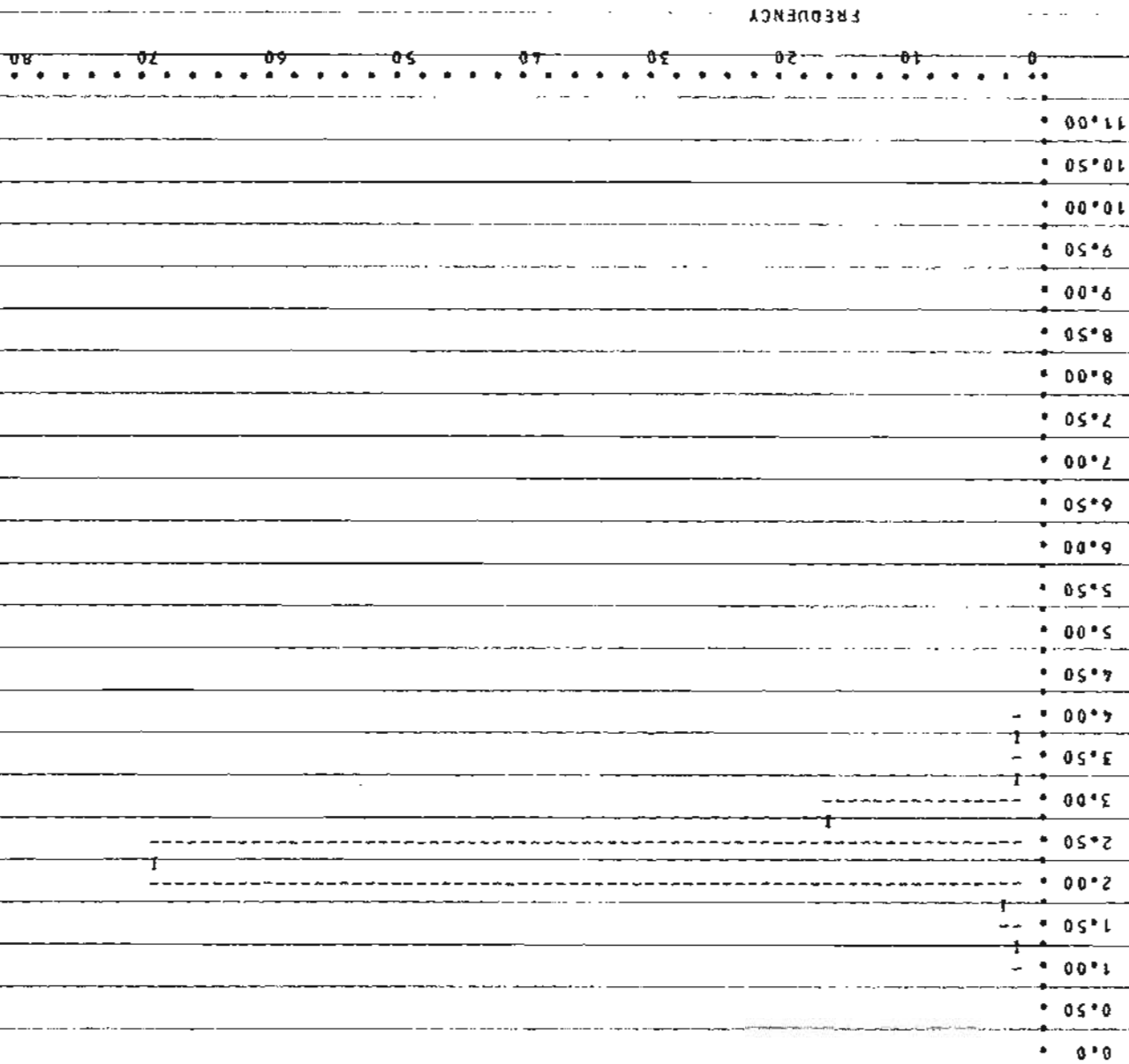
ONE PERCENTILE 0.510

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.687
16	2.065
25	2.129
50	2.307
75	2.485
84	2.707
95	3.326

PHI

300  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

302  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.520	GRAMS
CLAY AND SILT WEIGHT	0.230	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	24.230	GRAMS
DETRITUS GREATER THAN 2 MM.	0.06	GRAMS
BEAKER WEIGHT	0.0	GRAMS

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MEDIAN (PHI) 1.690  
MODE (PHI) 1.604  
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FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.651	0.339	-0.101	1.299

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.631	0.315	-0.188	0.894
		-0.027	

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VERBALIZATION OF FOLK PARAMETERS

VERY WELL SORTED  
COARSE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.716	0.633	4.110	92.126

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C O M P O S I T E   S I Z E   A N A L Y S I S      302

GRAVEL WT.	0.0	SAND WT.	24.23	SILT WT.	0.15	CLAY WT.	0.08
GRAVEL PCT	0.0	SAND PCT	99.06	SILT PCT	0.60	CLAY PCT	0.34
CARBONATE WT	0.0	CARBONATE PCT			0.0		
SAND-MUD RATIO 105.39				SILT-CLAY RATIO		1.73	

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.500	0.0	0.0	0.0	0.0
1.000	0.240	0.240	0.990	0.990
1.500	5.820	6.060	23.780	24.770
2.000	16.230	22.290	66.370	91.140
2.500	1.700	23.990	6.930	98.070
3.000	0.240	24.230	0.990	99.060
3.500	0.0	24.230	0.0	99.060
4.000	0.0	24.230	0.0	99.060
4.500	0.020	24.250	0.100	99.160
5.000	0.020	24.280	0.100	99.260
5.500	0.020	24.300	0.100	99.360
6.000	0.020	24.320	0.070	99.430
6.500	0.010	24.340	0.070	99.500
7.000	0.010	24.350	0.050	99.550
7.500	0.010	24.360	0.050	99.600
8.000	0.010	24.380	0.060	99.660
8.500	0.020	24.390	0.060	99.720
9.000	0.010	24.410	0.060	99.780
9.500	0.010	24.420	0.060	99.840
10.000	0.010	24.440	0.060	99.900
10.500	0.010	24.450	0.060	99.960
11.000	0.010	24.460	0.040	100.000

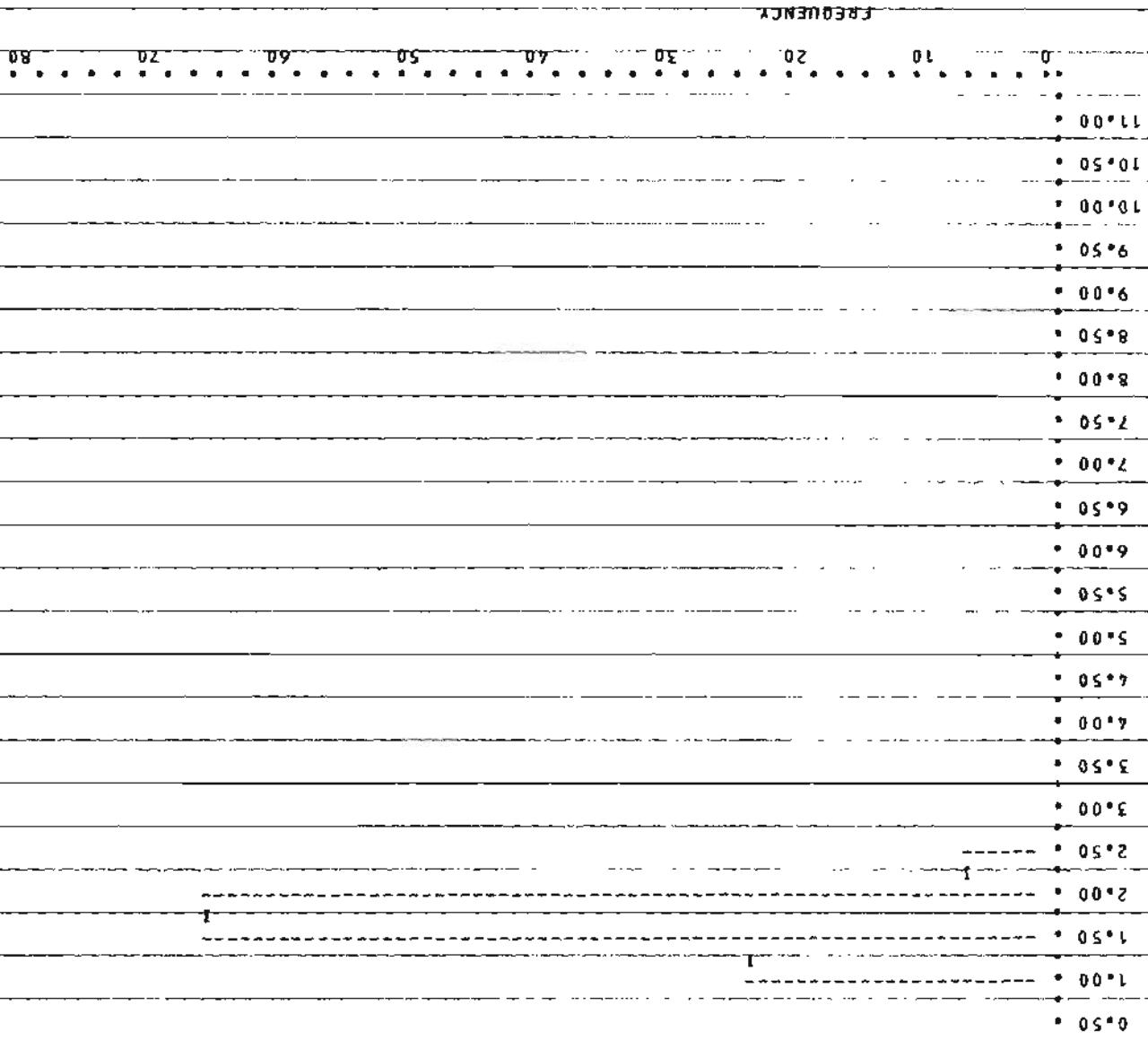
ONE PERCENTILE      1.000

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.084
16	1.316
25	1.502
50	1.690
75	1.878
84	1.946
95	2.278

PH1

302  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

303  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	30.100	GRAMS
CLAY AND SILT WEIGHT	0.370	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	29.550	GRAMS
DETRITUS GREATER THAN 2 MM.	0.18	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.896  
MODE (PHI) 1.681

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.952	0.581	0.033	1.402

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.980	0.467	0.181 -0.283	1.454

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.930	0.922	1.735	26.528

## COMPOSITE SIZE ANALYSIS 303

GRAVEL WT. 0.0 SAND WT. 29.55 SILT WT. 0.18 CLAY WT. 0.19

GRAVEL PCT 0.0 SAND PCT 98.76 SILT PCT 0.60 CLAY PCT 0.63

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 79.88 SILT-CLAY RATIO 0.95

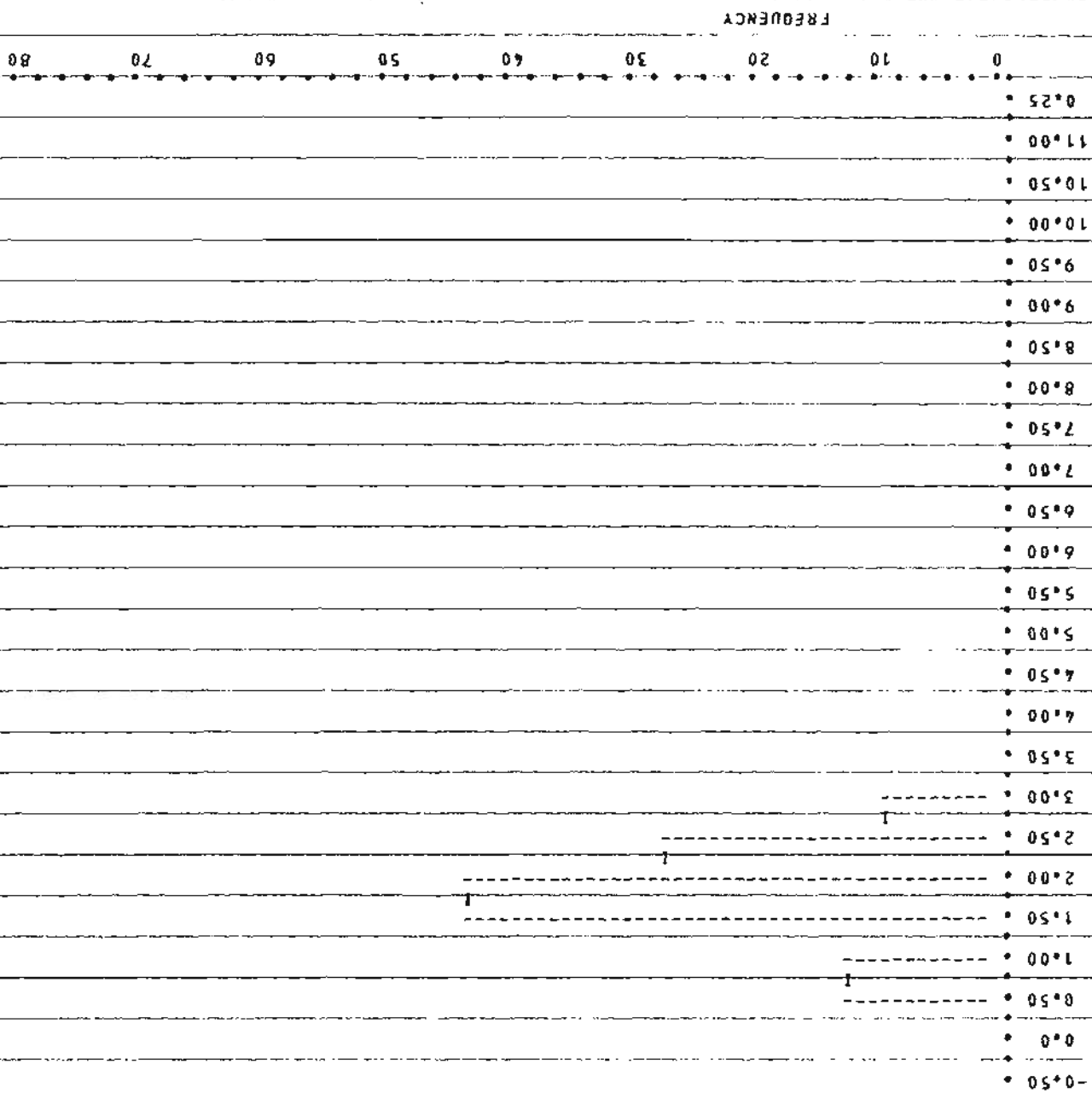
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-0.500	0.0	0.0	0.0	0.0
0.0	0.300	0.300	0.990	0.990
0.500	0.300	0.590	0.990	1.980
1.000	3.840	4.430	12.830	14.810
1.500	0.0	4.430	0.0	14.810
2.000	13.300	17.730	44.450	59.260
2.500	8.270	26.000	27.650	86.910
3.000	2.950	28.960	9.880	96.790
3.500	0.300	29.250	0.990	97.780
4.000	0.300	29.550	0.980	98.760
4.500	0.020	29.570	0.080	98.840
5.000	0.030	29.600	0.090	98.930
5.500	0.030	29.630	0.100	99.030
6.000	0.020	29.660	0.090	99.120
6.500	0.020	29.680	0.070	99.190
7.000	0.020	29.690	0.060	99.250
7.500	0.020	29.710	0.060	99.310
8.000	0.020	29.730	0.060	99.370
8.500	0.020	29.750	0.060	99.430
9.000	0.030	29.780	0.100	99.530
9.500	0.110	29.890	0.360	99.890
10.000	0.020	29.900	0.050	99.940
10.500	0.010	29.910	0.040	99.980
11.000	0.010	29.920	0.020	100.000

ONE PERCENTILE 0.005

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	0.618
16	1.513
25	1.615
50	1.896
75	2.285
84	2.447
95	2.909

PHI  
303  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

305  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	142.300	GRAMS
CLAY AND SILT WEIGHT	0.940	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	141.240	GRAMS
DETRITUS GREATER THAN 2 MM.	0.12	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.899  
MODE (PHI) 1.671

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.948	0.315	0.223	0.796

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.972	0.345	0.212 0.320	0.364

VERBALIZATION OF FOLK PARAMETERS

VERY WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.979	0.467	4.033	104.062

# COMPOSITE SIZE ANALYSIS 305

GRAVEL WT. 0.0 SAND WT. 141.24 SILT WT. 0.77 CLAY WT. 0.17

GRAVEL PCT 0.0 SAND PCT 99.34 SILT PCT 0.54 CLAY PCT 0.12

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 150.27 SILT-CLAY RATIO 4.48

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	88.980	88.980	62.580	62.580
2.500	48.020	137.000	33.780	96.360
3.000	4.240	141.240	2.980	99.340
3.500	0.0	141.240	0.0	99.340
4.000	0.0	141.240	0.0	99.340
4.500	0.080	141.320	0.050	99.390
5.000	0.140	141.460	0.100	99.490
5.500	0.170	141.630	0.120	99.610
6.000	0.140	141.770	0.100	99.710
6.500	0.080	141.850	0.060	99.770
7.000	0.060	141.920	0.040	99.810
7.500	0.050	141.960	0.040	99.850
8.000	0.050	142.010	0.030	99.880
8.500	0.040	142.050	0.030	99.910
9.000	0.030	142.090	0.020	99.930
9.500	0.030	142.120	0.030	99.960
10.000	0.020	142.140	0.010	99.970
10.500	0.020	142.160	0.020	99.990
11.000	0.020	142.180	0.010	100.000

ONE PERCENTILE 1.508

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.540
16	1.628
25	1.700
50	1.899
75	2.184
84	2.317
95	2.480

RHI

305

SAMPLE NUMBER

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

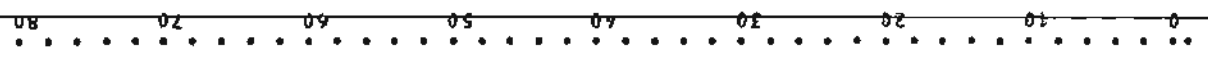
9.50

10.00

10.50

11.00

FREQUENCY



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

306  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	216.200	GRAMS
CLAY AND SILT WEIGHT	1.750	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	214.420	GRAMS
DETRITUS GREATER THAN 2 MM.	0.03	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.864  
MODE (PHI) 1.660

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.913	0.357	0.144	0.941

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.938	0.365	0.204 0.132	0.578

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.935	0.535	3.187	70.472

## COMPOSITE SIZE ANALYSIS 306

GRAVEL WT. 0.0 SAND WT. 214.42 SILT WT. 1.46 CLAY WT. 0.29

GRAVEL PCT 0.0 SAND PCT 99.19 SILT PCT 0.68 CLAY PCT 0.13

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 122.53 SILT-CLAY RATIO 5.04

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	16.080	16.080	7.660	7.660
2.000	126.510	142.590	58.520	65.960
2.500	64.330	206.920	29.760	95.720
3.000	6.430	213.350	2.970	98.690
3.500	1.070	214.420	0.500	99.190
4.000	0.0	214.420	0.0	99.190
4.500	0.110	214.530	0.050	99.240
5.000	0.280	214.810	0.130	99.370
5.500	0.320	215.130	0.150	99.520
6.000	0.260	215.390	0.120	99.640
6.500	0.180	215.560	0.080	99.720
7.000	0.140	215.700	0.060	99.780
7.500	0.100	215.800	0.050	99.830
8.000	0.080	215.880	0.040	99.870
8.500	0.080	215.960	0.030	99.900
9.000	0.060	216.010	0.030	99.930
9.500	0.050	216.070	0.020	99.950
10.000	0.040	216.110	0.020	99.970
10.500	0.030	216.140	0.020	99.990
11.000	0.030	216.170	0.010	100.000

ONE PERCENTILE 1.067

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.336
16	1.573
25	1.650
50	1.864
75	2.152
84	2.303
95	2.488

306  
SAMPLE NUMBER

pH

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

310  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	89.950	GRAMS
CLAY AND SILT WEIGHT	0.620	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	88.150	GRAMS
DETRITUS GREATER THAN 2 MM.	1.18	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.801  
MODE (PHI) 1.643

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.845	0.375	0.077	1.337

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.867	0.342	0.192 -0.075	0.972

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.814	0.569	1.208	36.391

## COMPOSITE SIZE ANALYSIS 310

GRAVEL WT.	0.0	SAND WT.	88.15	SILT WT.	0.56	CLAY WT.	0.05
GRAVEL PCT	0.0	SAND PCT	99.30	SILT PCT	0.64	CLAY PCT	0.06
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	142.20			SILT-CLAY RATIO	10.19		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.880	0.880	0.990	0.990
0.0	0.0	0.880	0.0	0.990
0.500	0.880	1.760	1.000	1.990
1.000	0.880	2.640	0.990	2.980
1.500	8.810	11.460	9.930	12.910
2.000	54.650	66.110	61.570	74.480
2.500	20.270	86.390	22.840	97.320
3.000	1.760	88.150	1.980	99.300
3.500	0.0	88.150	0.0	99.300
4.000	0.0	88.150	0.0	99.300
4.500	0.060	88.210	0.070	99.370
5.000	0.110	88.320	0.120	99.490
5.500	0.130	88.450	0.150	99.640
6.000	0.100	88.550	0.120	99.760
6.500	0.070	88.620	0.070	99.830
7.000	0.050	88.670	0.050	99.880
7.500	0.030	88.690	0.030	99.910
8.000	0.020	88.710	0.030	99.940
8.500	0.020	88.730	0.020	99.960
9.000	0.010	88.740	0.010	99.970
9.500	0.010	88.750	0.010	99.980
10.000	0.010	88.760	0.010	99.990
10.500	0.010	88.770	0.010	100.000
11.000	0.0	88.770	0.0	100.000

ONE PERCENTILE 0.005

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.102
16	1.525
25	1.598
50	1.801
75	2.011
84	2.208
95	2.449

SAMPLE NUMBER

310

pH

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

312  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	250.600	GRAMS
CLAY AND SILT WEIGHT	4.080	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	233.320	GRAMS
DETRITUS GREATER THAN 2 MM.	13.20	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.110  
MODE (PHI) 2.068

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.075	0.380	-0.026	0.980

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.057	0.373	-0.141 0.153	0.711

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.140	0.722	2.588	44.117

## COMPOSITE SIZE ANALYSIS 312

GRAVEL WT.	0.0	SAND WT.	233.32	SILT WT.	3.30	CLAY WT.	0.78
GRAVEL PCT	0.0	SAND PCT	98.28	SILT PCT	1.39	CLAY PCT	0.33
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	57.19			SILT-CLAY RATIO	4.22		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.0	0.0	0.0	0.0	0.0
0.500	2.330	2.330	0.980	0.980
1.000	2.330	4.670	0.990	1.970
1.500	2.330	7.000	0.980	2.950
2.000	84.000	90.990	35.380	38.330
2.500	125.990	216.990	53.070	91.400
3.000	14.000	230.990	5.900	97.300
3.500	2.330	233.320	0.980	98.280
4.000	0.0	233.320	0.0	98.280
4.500	0.240	233.560	0.100	98.380
5.000	0.550	234.120	0.240	98.620
5.500	0.670	234.790	0.280	98.900
6.000	0.600	235.390	0.250	99.150
6.500	0.420	235.810	0.180	99.330
7.000	0.350	236.160	0.150	99.480
7.500	0.250	236.400	0.100	99.580
8.000	0.220	236.620	0.090	99.670
8.500	0.190	236.810	0.080	99.750
9.000	0.150	236.960	0.070	99.820
9.500	0.150	237.110	0.060	99.880
10.000	0.130	237.240	0.050	99.930
10.500	0.090	237.330	0.040	99.970
11.000	0.070	237.400	0.030	100.000

ONE PERCENTILE 0.510

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.529
16	1.684
25	1.812
50	2.110
75	2.345
84	2.430
95	2.805

PHI

312

SAMPLE NUMBER

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

314  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	11.350	GRAMS
CLAY AND SILT WEIGHT	0.0	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	6.960	GRAMS
DETRITUS GREATER THAN 2 MM.	4.39	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.000  
MODE (PHI) 1.720

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.018	0.468	0.051	1.073

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.027	0.432	0.063 0.074	0.925

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.005	0.555	-0.551	6.157

## COMPOSITE SIZE ANALYSIS 314

GRAVEL WT.	0.0	SAND WT.	6.96	SILT WT.	0.0	CLAY WT.	0.0
GRAVEL PCT	0.0	SAND PCT	100.00	SILT PCT	0.0	CLAY PCT	0.0
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	0.0			SILT-CLAY RATIO	0.0		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.070	0.070	1.000	1.000
0.0	0.0	0.070	0.0	1.000
0.500	0.070	0.140	1.000	2.000
1.000	0.070	0.210	1.000	3.000
1.500	0.350	0.560	5.000	8.000
2.000	2.920	3.480	42.000	50.000
2.500	2.580	6.060	37.000	87.000
3.000	0.770	6.820	11.000	98.000
3.500	0.070	6.890	1.000	99.000
4.000	0.070	6.960	1.000	100.000

ONE PERCENTILE -0.500

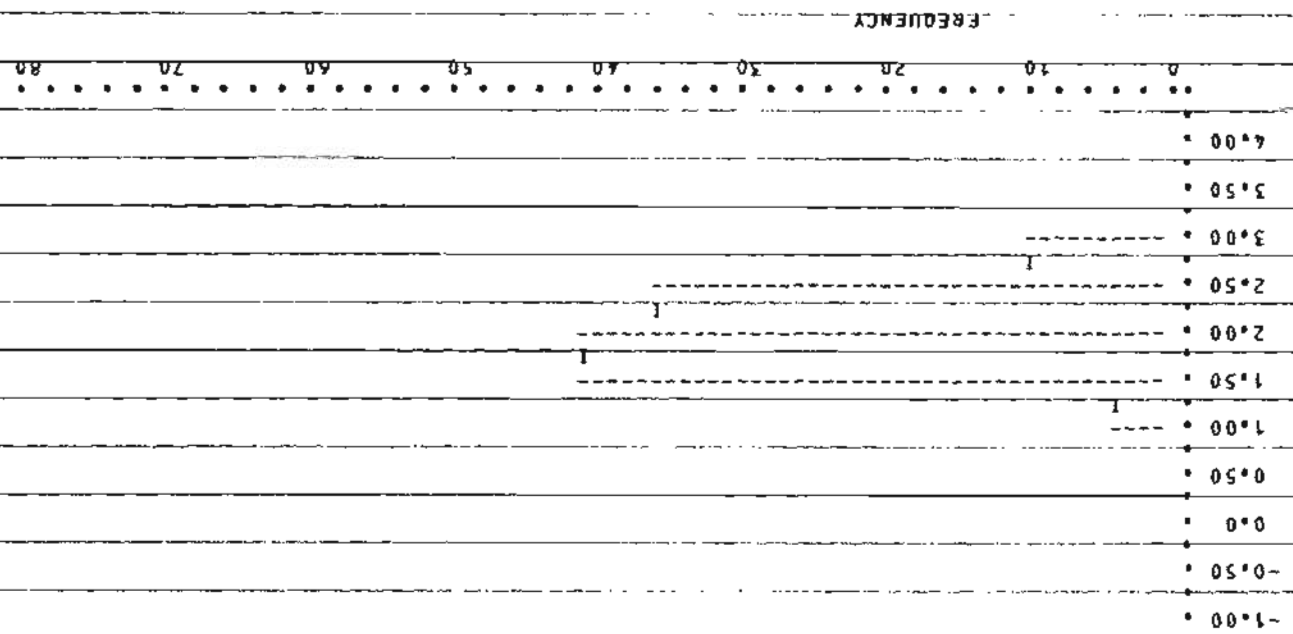
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.200
16	1.595
25	1.702
50	2.000
75	2.338
84	2.459
95	2.864

PHI

314

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

315  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	184.710	GRAMS
CLAY AND SILT WEIGHT	103.060	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	70.450	GRAMS
DETRITUS GREATER THAN 2 MM.	11.20	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 4.835  
MODE (PHI) 2.684

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.229	2.338	0.289	0.808

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.427	2.528	0.234 0.483	0.402

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.211	2.361	0.207	-0.469

## COMPOSITE SIZE ANALYSIS 315

GRAVEL WT.	0.0	SAND WT.	70.45	SILT WT.	75.96	CLAY WT.	27.10
GRAVEL PCT	0.0	SAND PCT	40.60	SILT PCT	43.78	CLAY PCT	15.62
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.68	SILT-CLAY RATIO		2.80			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.760	1.760	1.020	1.020
0.0	0.0	1.760	0.0	1.020
0.500	0.350	2.110	0.200	1.220
1.000	0.700	2.820	0.400	1.620
1.500	0.350	3.170	0.210	1.830
2.000	1.060	4.230	0.610	2.440
2.500	3.870	8.100	2.230	4.670
3.000	24.660	32.760	14.210	18.880
3.500	17.260	50.020	9.950	28.830
4.000	20.430	70.450	11.770	40.600
4.500	8.330	78.780	4.810	45.410
5.000	11.900	90.690	6.860	52.270
5.500	13.530	104.220	7.790	60.060
6.000	10.600	114.810	6.110	66.170
6.500	9.020	123.830	5.200	71.370
7.000	7.820	131.650	4.500	75.870
7.500	7.400	139.050	4.270	80.140
8.000	7.360	146.410	4.240	84.380
8.500	6.550	152.960	3.770	88.150
9.000	5.610	158.570	3.240	91.390
9.500	5.350	163.920	3.080	94.470
10.000	4.570	168.490	2.640	97.110
10.500	3.040	171.530	1.750	98.860
11.000	1.980	173.510	1.140	100.000

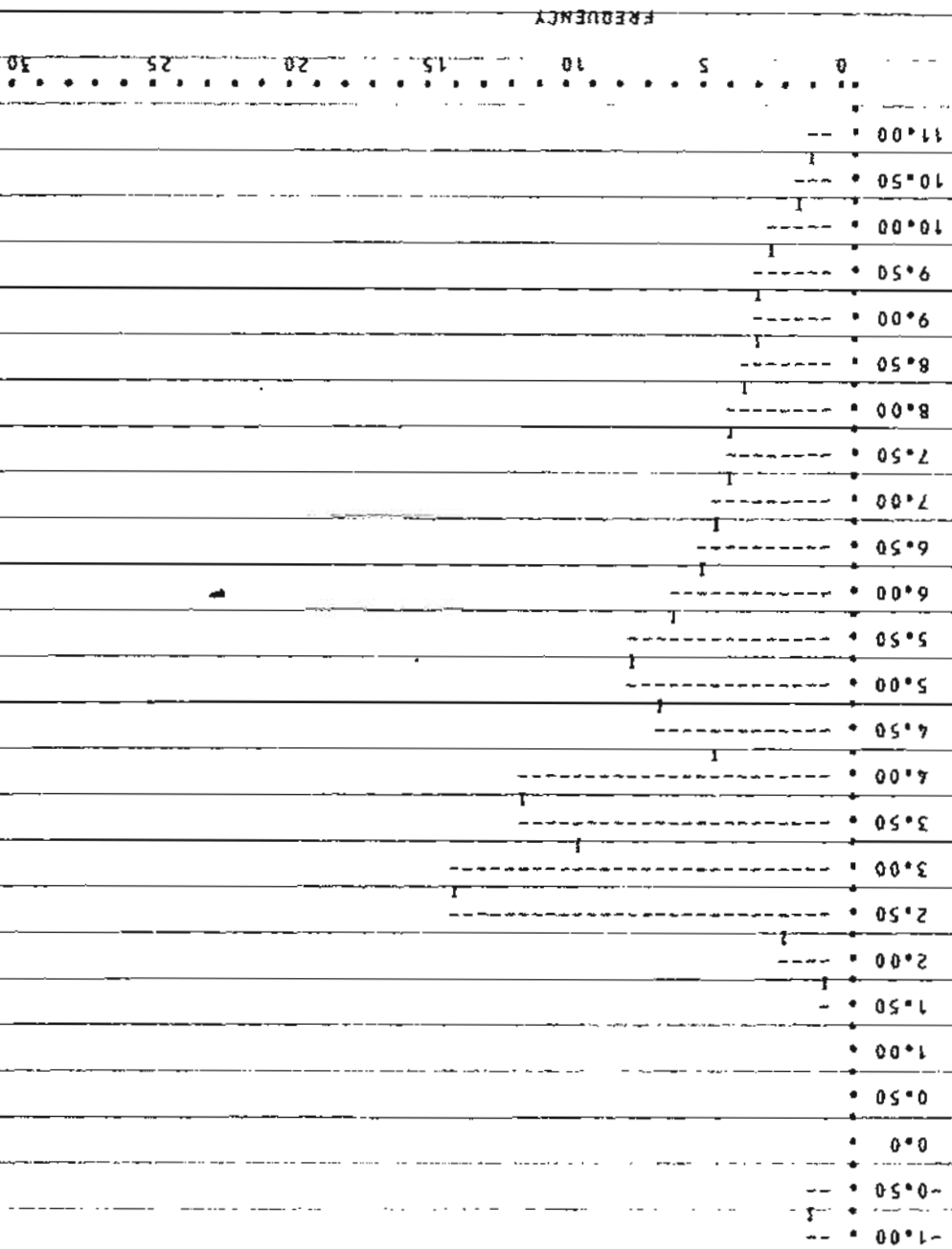
ONE PERCENTILE -0.510

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.512
16	2.899
25	3.308
50	4.835
75	6.903
84	7.955
95	9.600

315  
SAMPLE NUMBER

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

316  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	140.100	GRAMS
CLAY AND SILT WEIGHT	46.970	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	76.562	GRAMS
DETRITUS GREATER THAN 2 MM.	16.57	GRAMS
BEAKER WEIGHT	0.0	GRAMS

-----  
MEDIAN (PHI) 3.209

MODE (PHI) 2.600  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.116	3.156	0.336	0.921

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.570	3.210	0.424 0.394	0.594

-----  
VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED

STRONGLY FINE SKEWED

VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.060	3.030	0.223	-0.747

-----

## COMPOSITE SIZE ANALYSIS 316

GRAVEL WT.	0.0	SAND WT.	76.56	SILT WT.	29.15	CLAY WT.	17.82
GRAVEL PCT	0.0	SAND PCT	61.98	SILT PCT	23.59	CLAY PCT	14.43
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	1.63	SILT-CLAY RATIO		1.64			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	8.680	8.680	7.030	7.030
0.0	1.580	10.260	1.280	8.310
0.500	2.370	12.630	1.910	10.220
1.000	3.160	15.790	2.560	12.780
1.500	5.530	21.310	4.470	17.250
2.000	8.680	29.990	7.030	24.280
2.500	12.630	42.620	10.220	34.500
3.000	14.210	56.830	11.500	46.000
3.500	11.840	68.670	9.590	55.590
4.000	7.890	76.560	6.390	61.980
4.500	2.890	79.450	2.340	64.320
5.000	2.090	81.540	1.690	66.010
5.500	2.450	83.990	1.980	67.990
6.000	3.340	87.330	2.710	70.700
6.500	4.450	91.790	3.600	74.300
7.000	4.820	96.610	3.900	78.200
7.500	4.700	101.310	3.810	82.010
8.000	4.400	105.710	3.560	85.570
8.500	4.150	109.860	3.360	88.930
9.000	3.520	113.380	2.850	91.780
9.500	3.440	116.810	2.780	94.560
10.000	3.010	119.820	2.430	96.990
10.500	2.160	121.970	1.750	98.740
11.000	1.560	123.530	1.260	100.000

ONE PERCENTILE -0.929

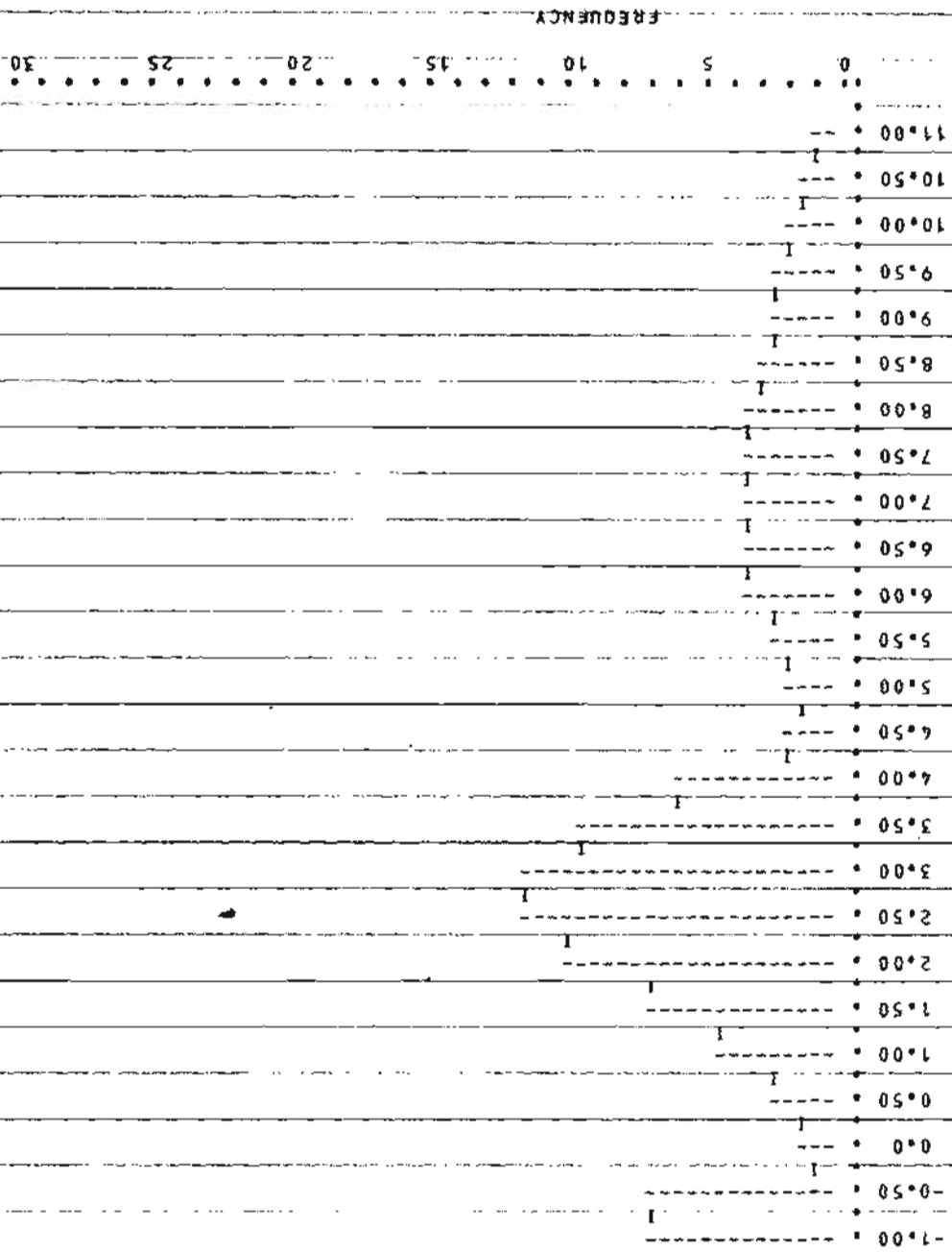
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.644
16	1.360
25	2.035
50	3.209
75	6.590
84	7.779
95	9.591

PHI

316

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

318  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	172.470	GRAMS
CLAY AND SILT WEIGHT	10.220	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	159.830	GRAMS
DETRITUS GREATER THAN 2 MM.	2.42	GRAMS
BEAKER WEIGHT	0.0	GRAMS

-----  
MEDIAN (PHI) 2.691  
MODE (PHI) 2.583  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.710	0.733	0.306	1.992

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.720	0.526	0.055 1.645	1.948

-----  
VERBALIZATION OF FOLK PARAMETERS  
MODERATELY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.866	1.341	1.408	12.813

-----

# COMPOSITE SIZE ANALYSIS 318

GRAVEL WT.	0.0	SAND WT.	159.83	SILT WT.	6.33	CLAY WT.	3.89
GRAVEL PCT	0.0	SAND PCT	93.99	SILT PCT	3.72	CLAY PCT	2.29
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	15.64	SILT-CLAY RATIO		1.62			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.600	1.600	0.940	0.940
0.0	1.600	3.200	0.940	1.880
0.500	1.600	4.790	0.940	2.820
1.000	0.0	4.790	0.0	2.820
1.500	0.0	4.790	0.0	2.820
2.000	3.200	7.990	1.880	4.700
2.500	49.550	57.540	29.140	33.840
3.000	71.920	129.460	42.290	76.130
3.500	27.170	156.630	15.980	92.110
4.000	3.200	159.830	1.880	93.990
4.500	0.570	160.400	0.340	94.330
5.000	0.910	161.310	0.530	94.860
5.500	1.100	162.410	0.650	95.510
6.000	1.010	163.420	0.590	96.100
6.500	0.810	164.230	0.480	96.580
7.000	0.750	164.980	0.440	97.020
7.500	0.590	165.560	0.340	97.360
8.000	0.590	166.160	0.350	97.710
8.500	0.740	166.900	0.440	98.150
9.000	0.740	167.640	0.430	98.580
9.500	0.870	168.510	0.520	99.100
10.000	0.770	169.280	0.450	99.550
10.500	0.470	169.750	0.270	99.820
11.000	0.300	170.050	0.180	100.000

ONE PERCENTILE -0.468

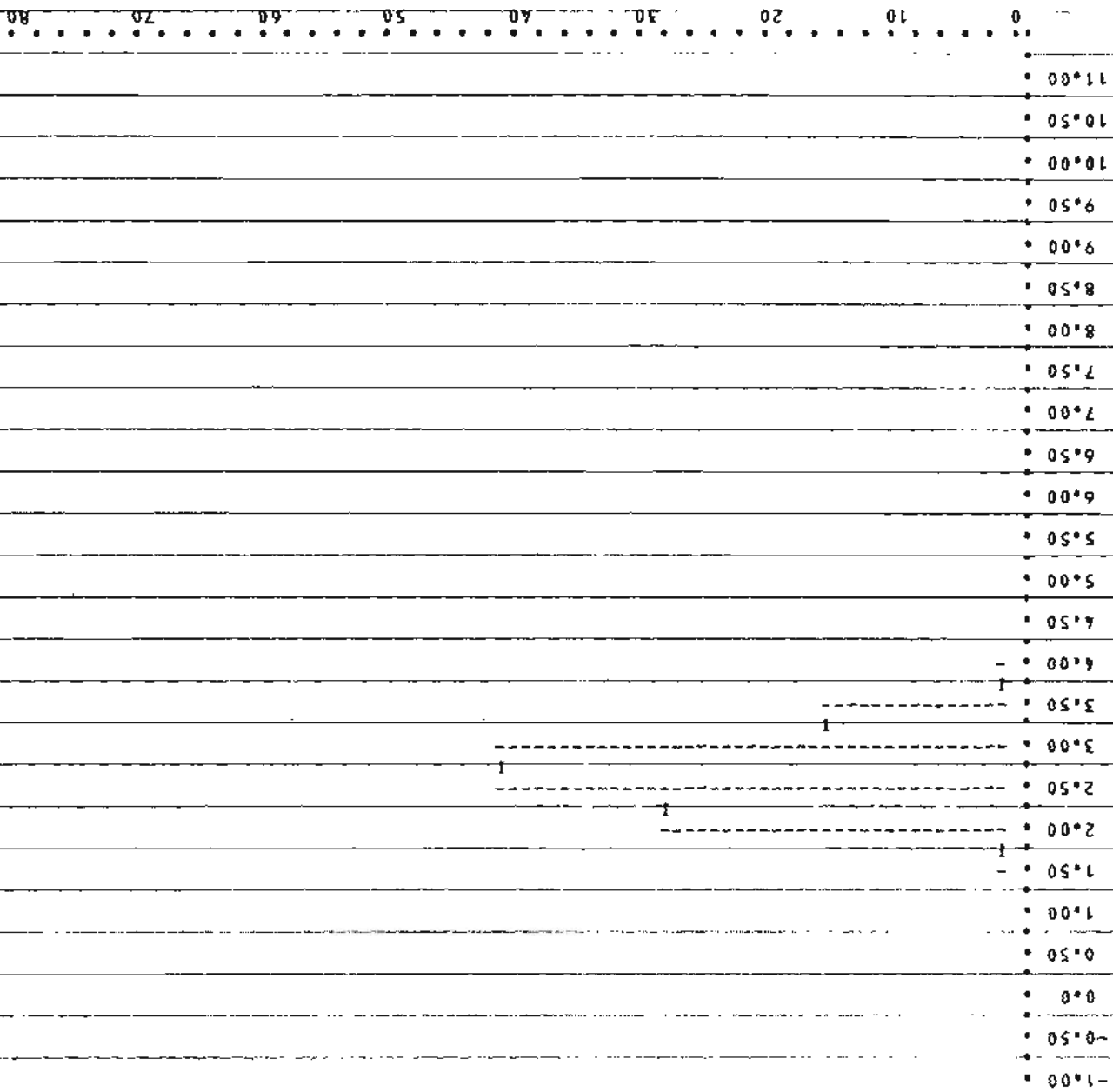
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.005
16	2.194
25	2.348
50	2.691
75	2.987
84	3.246
95	5.108

pH

318

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

319  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	132.510	GRAMS
CLAY AND SILT WEIGHT	1.420	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	119.950	GRAMS
DETRITUS GREATER THAN 2 MM.	11.14	GRAMS
BEAKER WEIGHT	0.0	GRAMS

-----  
MEDIAN (PHI) 2.481  
MODE (PHI) 2.211  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.504	0.362	0.153	0.853

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.516	0.376	0.093 0.326	0.527

-----  
VERBALIZATION OF FOLK PARAMETERS  
WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.549	0.524	2.850	56.261

-----

## COMPOSITE SIZE ANALYSIS 319

GRAVEL WT.	0.0	SAND WT.	119.95	SILT WT.	1.25	CLAY WT.	0.17
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GRAVEL PCT	0.0	SAND PCT	98.83	SILT PCT	1.03	CLAY PCT	0.14
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	84.48	SILT-CLAY RATIO	7.54
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	2.400	2.400	1.980	1.980
2.500	60.570	62.970	49.910	51.890
3.000	49.780	112.750	41.010	92.900
3.500	7.200	119.950	5.930	98.830
4.000	0.0	119.950	0.0	98.830
4.500	0.100	120.050	0.080	98.910
5.000	0.220	120.270	0.180	99.090
5.500	0.280	120.540	0.230	99.320
6.000	0.250	120.790	0.200	99.520
6.500	0.160	120.950	0.130	99.650
7.000	0.130	121.080	0.110	99.760
7.500	0.070	121.150	0.060	99.820
8.000	0.050	121.200	0.040	99.860
8.500	0.040	121.250	0.040	99.900
9.000	0.030	121.280	0.030	99.930
9.500	0.030	121.310	0.020	99.950
10.000	0.030	121.340	0.030	99.980
10.500	0.020	121.360	0.010	99.990
11.000	0.010	121.370	0.010	100.000

ONE PERCENTILE	1.753
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## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.030
16	2.140
25	2.231
50	2.481
75	2.782
84	2.891
95	3.177

PHI

SAMPLE NUMBER

319

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

320  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	27.250	GRAMS
CLAY AND SILT WEIGHT	0.390	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	26.780	GRAMS
DETRITUS GREATER THAN 2 MM.	0.08	GRAMS
BEAKER WEIGHT	0.0	GRAMS

-----  
MEDIAN (PHI) 2.375

MODE (PHI) 2.159  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.437	0.353	0.324	0.976

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.467	0.358	0.259 0.624	0.605

-----  
VERBALIZATION OF FOLK PARAMETERS

WELL SORTED

STRONGLY FINE-SKEWED

VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.458	0.631	1.409	34.849

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## COMPOSITE SIZE ANALYSIS 320

GRAVEL WT.	0.0	SAND WT.	26.78	SILT WT.	0.35	CLAY WT.	0.04
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GRAVEL PCT	0.0	SAND PCT	98.56	SILT PCT	1.29	CLAY PCT	0.14
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	68.69	SILT-CLAY RATIO	9.02
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.130	0.130	0.490	0.490
0.0	0.130	0.270	0.500	0.990
0.500	0.0	0.270	0.0	0.990
1.000	0.130	0.400	0.490	1.480
1.500	0.0	0.400	0.0	1.480
2.000	0.130	0.540	0.490	1.970
2.500	17.410	17.940	64.070	66.040
3.000	7.500	25.440	27.600	93.640
3.500	1.070	26.510	3.940	97.580
4.000	0.270	26.780	0.980	98.560
4.500	0.040	26.820	0.150	98.710
5.000	0.070	26.890	0.260	98.970
5.500	0.080	26.970	0.280	99.250
6.000	0.060	27.030	0.230	99.480
6.500	0.040	27.070	0.150	99.630
7.000	0.030	27.100	0.110	99.740
7.500	0.020	27.120	0.060	99.800
8.000	0.010	27.130	0.060	99.860
8.500	0.010	27.140	0.030	99.890
9.000	0.010	27.150	0.030	99.920
9.500	0.010	27.160	0.030	99.950
10.000	0.010	27.160	0.030	99.980
10.500	0.0	27.170	0.010	99.990
11.000	0.0	27.170	0.010	100.000

ONE PERCENTILE 0.510

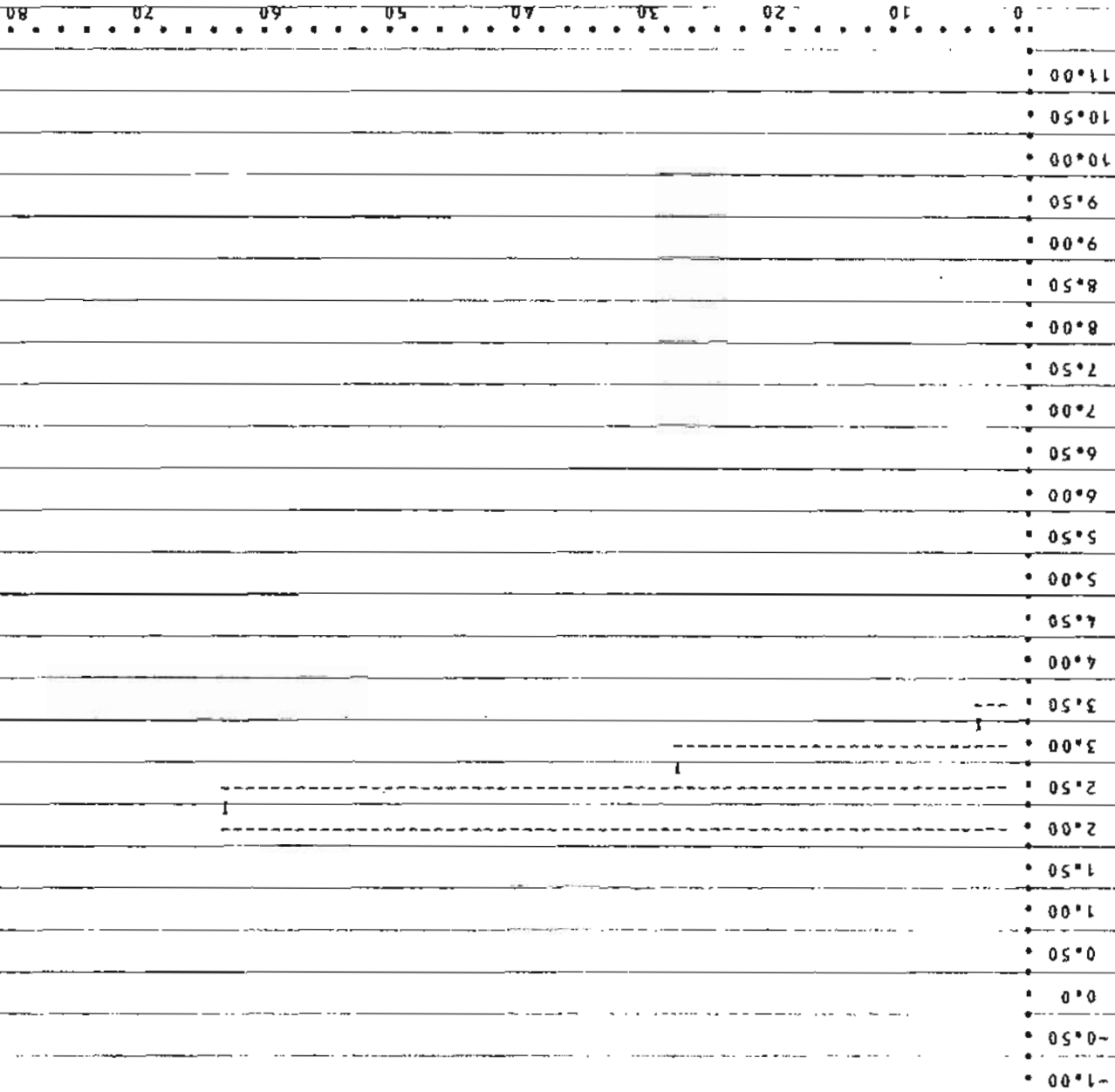
PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.024
16	2.109
25	2.180
50	2.375
75	2.662
84	2.825
95	3.173

PHI

320

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

321  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	25.250	GRAMS
CLAY AND SILT WEIGHT	0.040	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	25.210	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

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MEDIAN (PHI) 1.144  
MODE (PHI) 1.132  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.944	1.095	-0.236	0.842

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.845	1.218	-0.246 -0.297	0.317

-----  
VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.953	1.019	-0.062	0.575

-----

## COMPOSITE SIZE ANALYSIS 321

GRAVEL WT.	0.0	SAND WT.	25.21	SILT WT.	0.03	CLAY WT.	0.01
GRAVEL PCT	0.0	SAND PCT	99.84	SILT PCT	0.14	CLAY PCT	0.02
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO 631.80				SILT-CLAY RATIO		6.05	

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	3.530	3.530	13.980	13.980
0.0	2.020	5.550	7.990	21.970
0.500	2.520	8.070	9.980	31.950
1.000	2.520	10.590	9.980	41.930
1.500	7.060	17.650	27.960	69.890
2.000	3.030	20.670	11.980	81.870
2.500	4.290	24.960	16.970	98.840
3.000	0.250	25.210	1.000	99.840
3.500	0.0	25.210	0.0	99.840
4.000	0.0	25.210	0.0	99.840
4.500	0.0	25.210	0.020	99.860
5.000	0.010	25.220	0.020	99.880
5.500	0.010	25.230	0.030	99.910
6.000	0.010	25.230	0.030	99.940
6.500	0.0	25.240	0.010	99.950
7.000	0.0	25.240	0.010	99.960
7.500	0.0	25.240	0.010	99.970
8.000	0.0	25.240	0.010	99.980
8.500	0.0	25.250	0.0	99.980
9.000	0.0	25.250	0.010	99.990
9.500	0.0	25.250	0.0	99.990
10.000	0.0	25.250	0.010	100.000
10.500	0.0	25.250	0.0	100.000
11.000	0.0	25.250	0.0	100.000

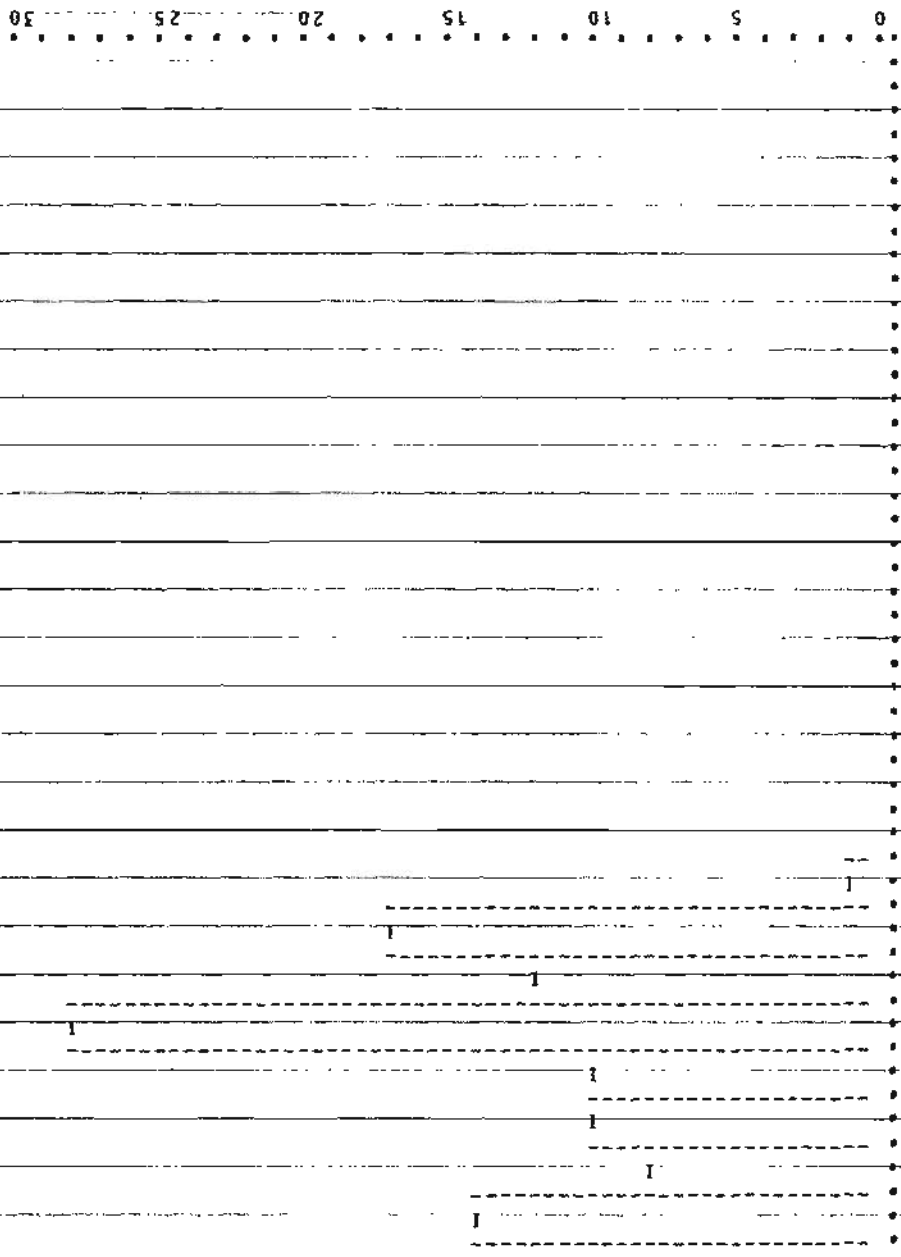
ONE PERCENTILE -0.964

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.821
16	-0.374
25	0.152
50	1.144
75	1.713
84	2.063
95	2.387

PHI

321  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

322  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	230.890	GRAMS
CLAY AND SILT WEIGHT	1.680	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	209.210	GRAMS
DETRITUS GREATER THAN 2 MM.	20.00	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.541  
MODE (PHI) 2.081

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.085	1.293	-0.401	0.651

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.856	1.490	-0.460	0.214
		-0.415	

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY COARSE SKEWED  
PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.171	1.338	0.195	2.737

## COMPOSITE SIZE ANALYSIS 322

GRAVEL WT.	0.0	SAND WT.	209.21	SILT WT.	1.17	CLAY WT.	0.51
GRAVEL PCT	0.0	SAND PCT	99.20	SILT PCT	0.56	CLAY PCT	0.24
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	124.54			SILT-CLAY RATIO	2.30		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	46.030	46.030	21.820	21.820
0.0	8.370	54.390	3.970	25.790
0.500	12.550	66.950	5.960	31.750
1.000	12.550	79.500	5.950	37.700
1.500	23.010	102.510	10.910	48.610
2.000	35.570	138.080	16.860	65.470
2.500	56.490	194.570	26.790	92.260
3.000	12.550	207.120	5.950	98.210
3.500	2.090	209.210	0.990	99.200
4.000	0.0	209.210	0.0	99.200
4.500	0.140	209.350	0.070	99.270
5.000	0.180	209.530	0.080	99.350
5.500	0.210	209.740	0.100	99.450
6.000	0.180	209.920	0.090	99.540
6.500	0.140	210.050	0.060	99.600
7.000	0.120	210.170	0.060	99.660
7.500	0.100	210.270	0.050	99.710
8.000	0.110	210.380	0.050	99.760
8.500	0.120	210.500	0.050	99.810
9.000	0.110	210.610	0.060	99.870
9.500	0.100	210.710	0.040	99.910
10.000	0.080	210.790	0.040	99.950
10.500	0.060	210.850	0.030	99.980
11.000	0.040	210.890	0.020	100.000

ONE PERCENTILE -0.977

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.885
16	-0.633
25	-0.099
50	1.541
75	2.178
84	2.346
95	2.730

PH1

322  
SAMPLE NUMBER

-1.00

-0.50

0.00

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0

5

10

15

20

25

30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

323  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	27.940	GRAMS
CLAY AND SILT WEIGHT	0.510	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	27.350	GRAMS
DETRITUS GREATER THAN 2 MM.	0.08	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.999  
MODE (PHI) 1.703

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.033	0.408	0.219	0.935

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.050	0.404	0.126 0.521	0.677

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.111	0.811	2.289	38.306

COMPOSITE SIZE ANALYSIS 323

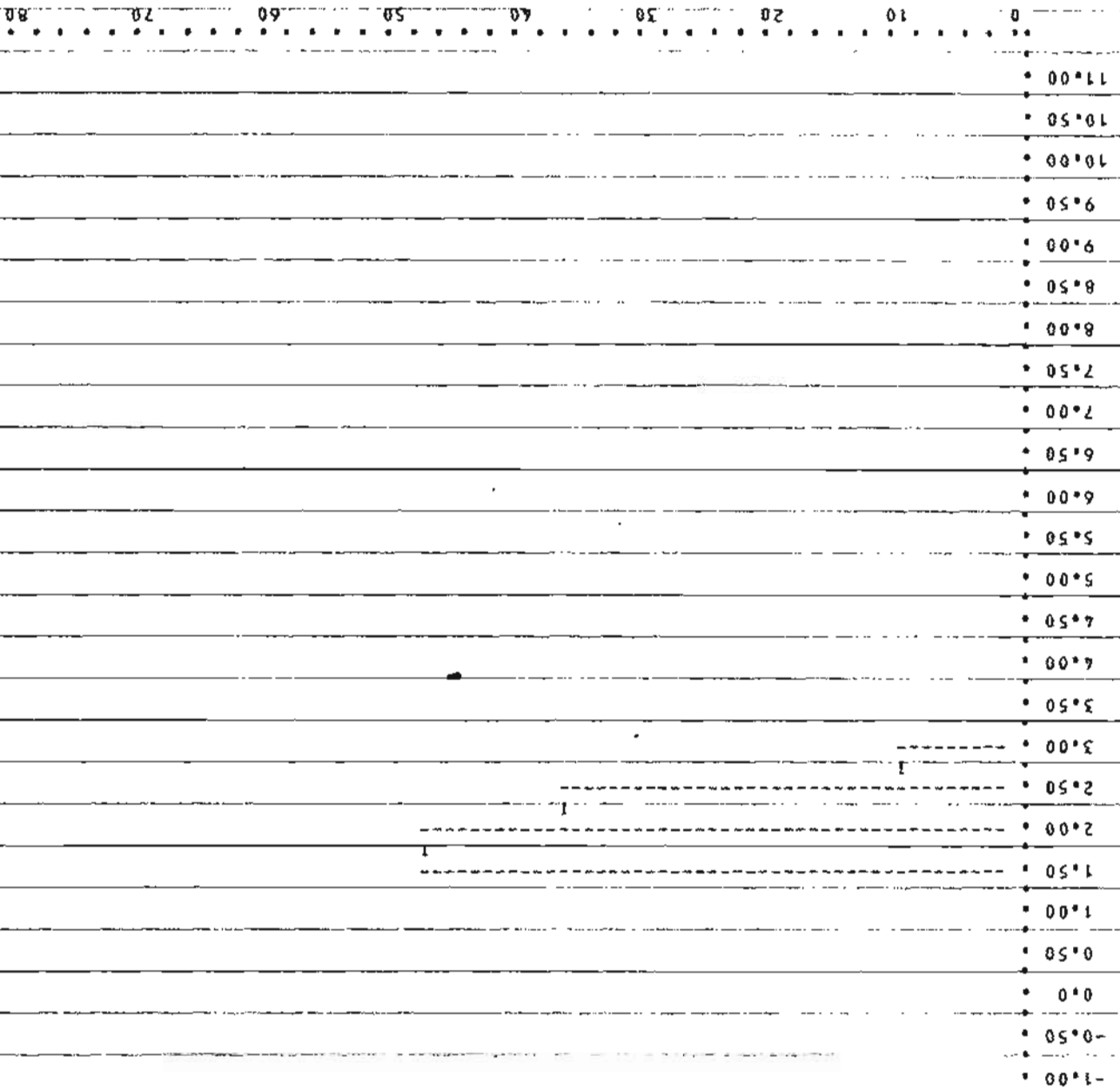
GRAVEL WT.	0.0	SAND WT.	27.35	SILT WT.	0.38	CLAY WT.	0.13
GRAVEL PCT	0.0	SAND PCT	98.17	SILT PCT	1.35	CLAY PCT	0.48
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	53.64	SILT-CLAY RATIO		2.79			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.270	0.270	0.980	0.980
0.0	0.0	0.270	0.0	0.980
0.500	0.0	0.270	0.0	0.980
1.000	0.0	0.270	0.0	0.980
1.500	0.270	0.550	0.980	1.960
2.000	13.400	13.950	48.110	50.070
2.500	10.390	24.340	37.300	87.370
3.000	2.730	27.080	9.820	97.190
3.500	0.270	27.350	0.980	98.170
4.000	0.0	27.350	0.0	98.170
4.500	0.040	27.390	0.140	98.310
5.000	0.060	27.450	0.220	98.530
5.500	0.070	27.520	0.240	98.770
6.000	0.060	27.570	0.200	98.970
6.500	0.050	27.620	0.160	99.130
7.000	0.040	27.660	0.150	99.280
7.500	0.030	27.690	0.120	99.400
8.000	0.030	27.730	0.120	99.520
8.500	0.030	27.760	0.120	99.640
9.000	0.030	27.790	0.090	99.730
9.500	0.030	27.810	0.100	99.830
10.000	0.020	27.840	0.080	99.910
10.500	0.010	27.850	0.050	99.960
11.000	0.010	27.860	0.040	100.000

ONE PERCENTILE 1.010

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.532
16	1.646
25	1.739
50	1.999
75	2.334
84	2.455
95	2.888



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

326  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	22.710	GRAMS
CLAY AND SILT WEIGHT	0.340	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	16.270	GRAMS
DETRITUS GREATER THAN 2 MM.	6.10	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.356  
MODE (PHI) 1.162

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.425	0.695	-0.042	2.146

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.459	0.436	0.235 -1.147	2.603

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.355	1.082	1.169	17.502

## COMPOSITE SIZE ANALYSIS 326

GRAVEL WT.	0.0	SAND WT.	16.27	SILT WT.	0.27	CLAY WT.	0.07
GRAVEL PCT	0.0	SAND PCT	97.95	SILT PCT	1.64	CLAY PCT	0.41
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	47.87			SILT-CLAY RATIO	4.01		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.460	1.460	8.820	8.820
0.0	0.160	1.630	0.980	9.800
0.500	0.330	1.950	1.950	11.750
1.000	0.330	2.280	1.960	13.710
1.500	8.460	10.740	50.940	64.650
2.000	4.070	14.810	24.490	89.140
2.500	1.140	15.940	6.850	95.990
3.000	0.330	16.270	1.960	97.950
3.500	0.0	16.270	0.0	97.950
4.000	0.0	16.270	0.0	97.950
4.500	0.030	16.300	0.210	98.160
5.000	0.050	16.350	0.290	98.450
5.500	0.050	16.410	0.330	98.780
6.000	0.050	16.450	0.270	99.050
6.500	0.030	16.490	0.200	99.250
7.000	0.020	16.510	0.150	99.400
7.500	0.020	16.530	0.100	99.500
8.000	0.010	16.540	0.090	99.590
8.500	0.010	16.560	0.080	99.670
9.000	0.010	16.570	0.070	99.740
9.500	0.010	16.580	0.060	99.800
10.000	0.010	16.590	0.070	99.870
10.500	0.010	16.600	0.070	99.940
11.000	0.010	16.610	0.060	100.000

ONE PERCENTILE -0.943

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.717
16	1.022
25	1.111
50	1.356
75	1.711
84	1.895
95	2.428

PHI

326  
SAMPLE NUMBER

-1.00  
-0.50  
0.0  
0.50  
1.00  
1.50  
2.00  
2.50  
3.00  
3.50  
4.00  
4.50  
5.00  
5.50  
6.00  
6.50  
7.00  
7.50  
8.00  
8.50  
9.00  
9.50  
10.00  
10.50  
11.00

0 10 20 30 40 50 60 70 80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

327  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	23.420	GRAMS
CLAY AND SILT WEIGHT	0.160	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	18.630	GRAMS
DETRITUS GREATER THAN 2 MM.	4.63	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.824  
MODE (PHI) 1.640

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.859	0.491	0.125	1.106

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.876	0.478	0.110 0.242	0.743

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.894	0.629	2.248	41.866

## COMPOSITE SIZE ANALYSIS 327

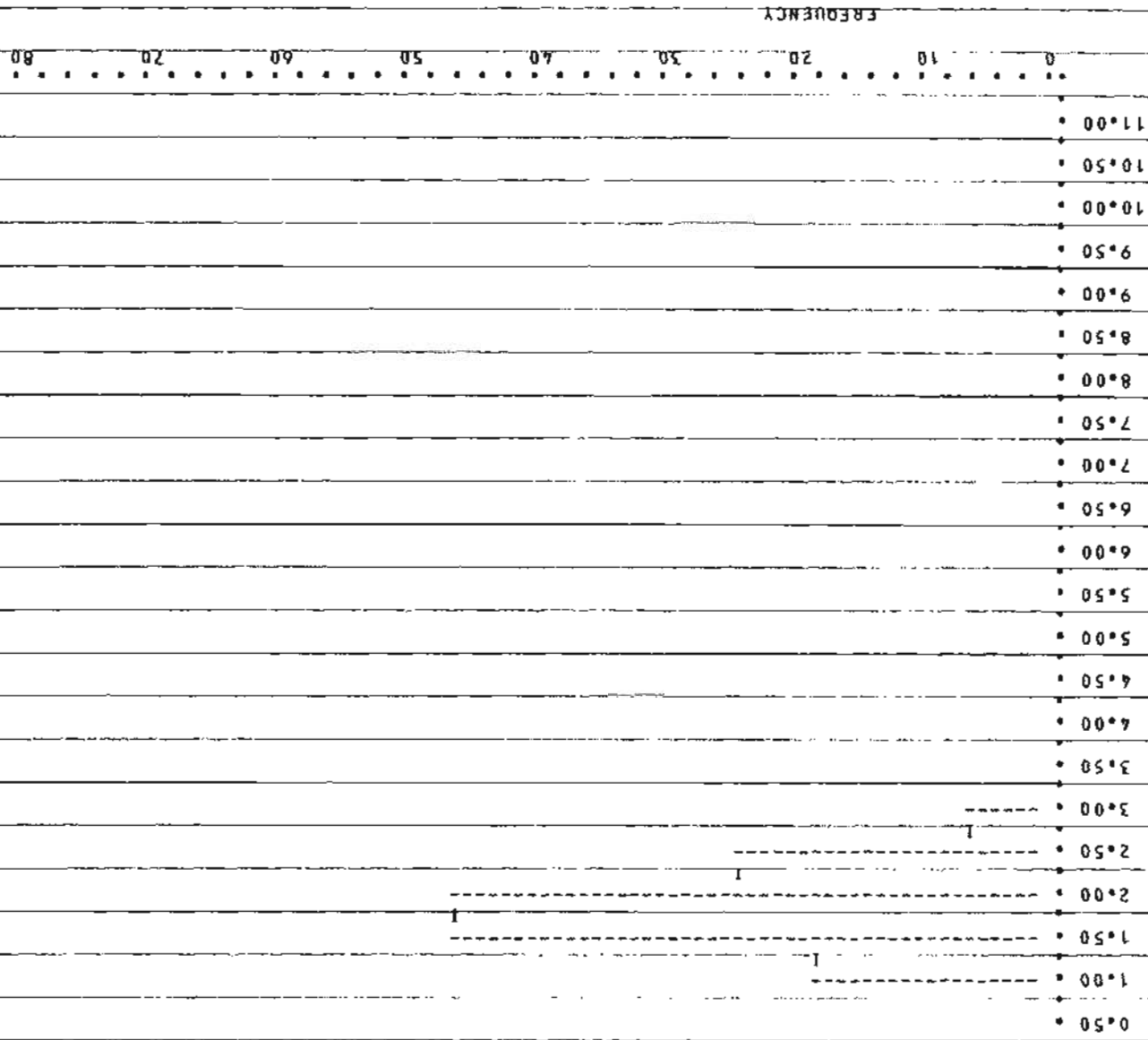
GRAVEL WT.	0.0	SAND WT.	18.63	SILT WT.	0.13	CLAY WT.	0.03
GRAVEL PCT	0.0	SAND PCT	99.15	SILT PCT	0.70	CLAY PCT	0.15
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	116.50			SILT-CLAY RATIO	4.70		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.500	0.0	0.0	0.0	0.0
1.000	0.190	0.190	0.990	0.990
1.500	3.540	3.730	18.840	19.830
2.000	8.760	12.480	46.600	66.430
2.500	4.660	17.140	24.790	91.220
3.000	1.300	18.440	6.940	98.160
3.500	0.190	18.630	0.990	99.150
4.000	0.0	18.630	0.0	99.150
4.500	0.010	18.640	0.070	99.220
5.000	0.020	18.660	0.090	99.310
5.500	0.020	18.680	0.120	99.430
6.000	0.030	18.710	0.150	99.580
6.500	0.020	18.730	0.100	99.680
7.000	0.010	18.740	0.070	99.750
7.500	0.010	18.750	0.060	99.810
8.000	0.010	18.760	0.040	99.850
8.500	0.010	18.770	0.040	99.890
9.000	0.010	18.770	0.030	99.920
9.500	0.010	18.780	0.020	99.940
10.000	0.0	18.780	0.030	99.970
10.500	0.0	18.790	0.020	99.990
11.000	0.0	18.790	0.010	100.000

ONE PERCENTILE 1.000

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.106
16	1.398
25	1.555
50	1.824
75	2.173
84	2.354
95	2.772



404  
SAMPLE NUMBER

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA

by sieves, RSA, and Coulter Counter

TOTAL SAMPLE WEIGHT	134.480	GRAMS
CLAY AND SILT WEIGHT	72.060	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	61.900	GRAMS
DETRITUS GREATER THAN 2 MM.	0.52	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.449  
MODE (PHI) 2.667

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.650	2.633	0.143	0.657

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.750	2.957	0.102 0.238	0.288

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
FINE SKEWED  
PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.596	2.638	0.148	-1.337

# COMPOSITE SIZE ANALYSIS 404

GRAVEL WT.	0.0	SAND WT.	61.90	SILT WT.	40.50	CLAY WT.	31.56
GRAVEL PCT	0.0	SAND PCT	46.21	SILT PCT	30.24	CLAY PCT	23.56
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	0.86			SILT-CLAY RATIO	1.28		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.310	0.310	0.230	0.230
2.000	0.620	0.930	0.460	0.690
2.500	8.360	9.280	6.240	6.930
3.000	20.740	30.020	15.480	22.410
3.500	14.550	44.570	10.860	33.270
4.000	17.330	61.900	12.940	46.210
4.500	1.380	63.280	1.030	47.240
5.000	1.690	64.970	1.260	48.500
5.500	2.240	67.210	1.670	50.170
6.000	3.450	70.660	2.580	52.750
6.500	6.650	77.310	4.960	57.710
7.000	8.590	85.900	6.420	64.130
7.500	8.860	94.760	6.610	70.740
8.000	7.640	102.400	5.700	76.440
8.500	7.580	109.990	5.660	82.100
9.000	6.150	116.140	4.600	86.700
9.500	6.080	122.220	4.530	91.230
10.000	5.460	127.670	4.070	95.300
10.500	3.780	131.450	2.830	98.130
11.000	2.510	133.960	1.870	100.000

DNF PERCENTILE 2.025

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.345
16	2.793
25	3.119
50	5.449
75	7.874
84	8.707
95	9.963

PHI

404  
SAMPLE NUMBER

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0

5

10

15

20

25

30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

405  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	136.560	GRAMS
CLAY AND SILT WEIGHT	37.550	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	86.290	GRAMS
DETRITUS GREATER THAN 2 MM.	12.72	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.244  
MODE (PHI) 2.653

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.354	2.822	0.435	1.135

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.909	2.618	0.636 0.447	0.906

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.104	2.733	0.294	-0.242

## COMPOSITE SIZE ANALYSIS 405

GRAVEL WT.	0.0	SAND WT.	86.29	SILT WT.	21.64	CLAY WT.	15.91
GRAVEL PCT	0.0	SAND PCT	69.68	SILT PCT	17.47	CLAY PCT	12.85
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	2.30			SILT-CLAY RATIO	1.36		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	7.330	7.330	5.920	5.920
0.0	1.290	8.630	1.050	6.970
0.500	1.290	9.920	1.040	8.010
1.000	0.430	10.350	0.350	8.360
1.500	0.860	11.220	0.700	9.060
2.000	2.590	13.810	2.090	11.150
2.500	10.350	24.160	8.360	19.510
3.000	29.340	53.500	23.690	43.200
3.500	17.260	70.760	13.940	57.140
4.000	15.530	86.290	12.540	69.680
4.500	0.620	86.910	0.500	70.180
5.000	0.930	87.840	0.750	70.930
5.500	1.360	89.200	1.100	72.030
6.000	2.110	91.300	1.700	73.730
6.500	3.590	94.890	2.900	76.630
7.000	4.410	99.300	3.550	80.180
7.500	4.510	103.810	3.640	83.820
8.000	4.120	107.930	3.330	87.150
8.500	3.830	111.760	3.100	90.250
9.000	3.270	115.030	2.640	92.890
9.500	3.240	118.270	2.610	95.500
10.000	2.740	121.010	2.210	97.710
10.500	1.740	122.740	1.400	99.110
11.000	1.100	123.840	0.890	100.000

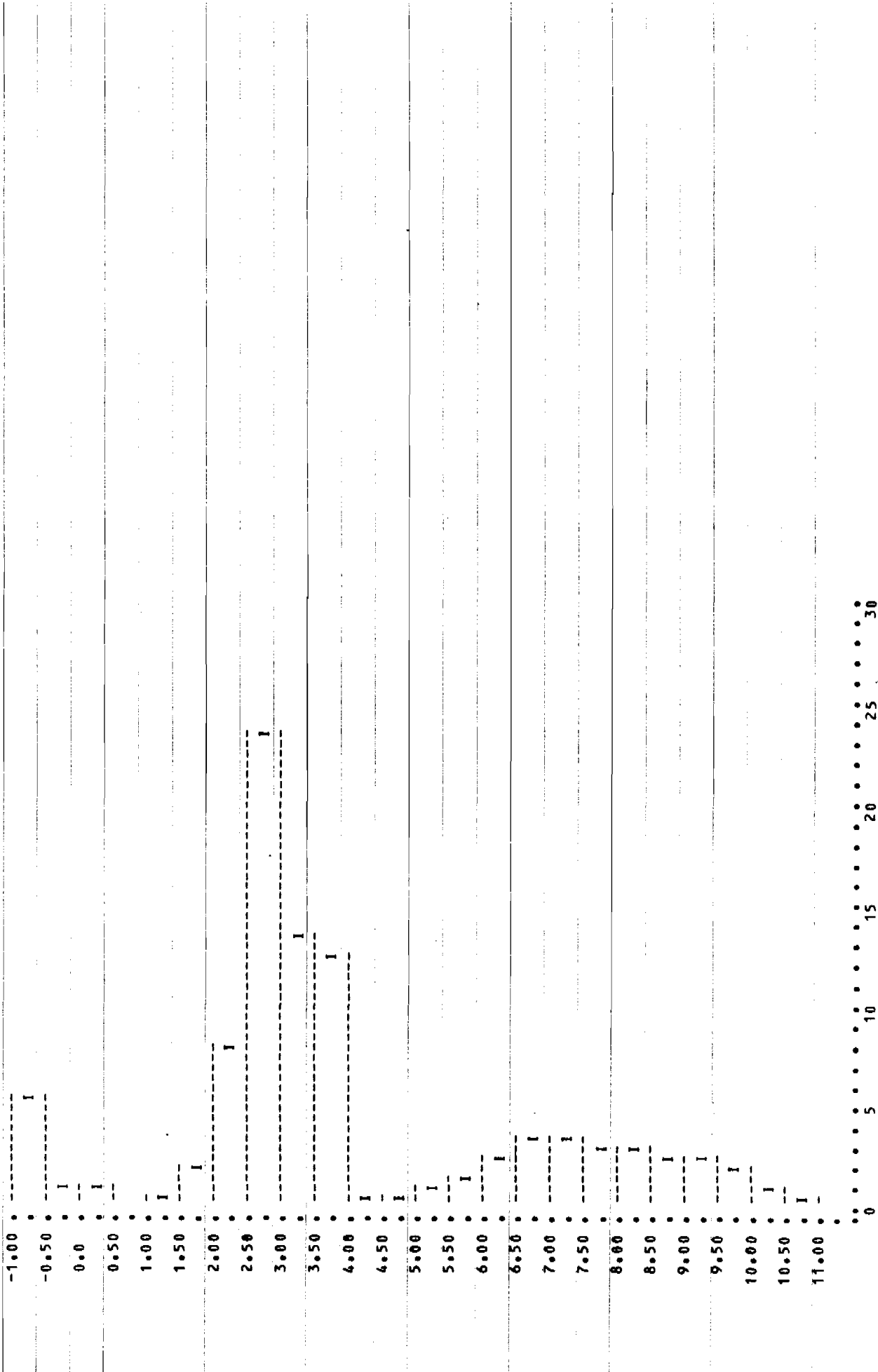
ONE PERCENTILE -0.916

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.578
16	2.290
25	2.616
50	3.244
75	6.219
84	7.527
95	9.404

PHI

405  
SAMPLE NUMBER



FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

406  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	148.450	GRAMS
CLAY AND SILT WEIGHT	1.220	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	147.230	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.063  
MODE (PHI) 2.011

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.059	0.402	0.080	0.910

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.057	0.405	-0.015 0.286	0.631

VERBALIZATION OF FOLK PARAMETERS  
WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.104	0.549	2.586	53.063

## COMPOSITE SIZE ANALYSIS 406

GRAVEL WT. 0.0 SAND WT. 147.23 SILT WT. 1.04 CLAY WT. 0.18

GRAVEL PCT 0.0 SAND PCT 99.18 SILT PCT 0.70 CLAY PCT 0.12

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 120.69 SILT-CLAY RATIO 5.84

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	5.150	5.150	3.470	3.470
2.000	61.100	66.250	41.160	44.630
2.500	63.310	129.560	42.650	87.280
3.000	16.930	146.490	11.400	98.680
3.500	0.740	147.230	0.500	99.180
4.000	0.0	147.230	0.0	99.180
4.500	0.070	147.300	0.040	99.220
5.000	0.170	147.470	0.120	99.340
5.500	0.220	147.690	0.150	99.490
6.000	0.200	147.890	0.130	99.620
6.500	0.140	148.030	0.100	99.720
7.000	0.110	148.140	0.070	99.790
7.500	0.070	148.220	0.050	99.840
8.000	0.050	148.270	0.040	99.880
8.500	0.050	148.320	0.030	99.910
9.000	0.040	148.350	0.030	99.940
9.500	0.030	148.390	0.020	99.960
10.000	0.030	148.420	0.020	99.980
10.500	0.020	148.440	0.010	99.990
11.000	0.010	148.450	0.010	100.000

ONE PERCENTILE 1.144

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5 1.519

16 1.652

25 1.762

50 2.063

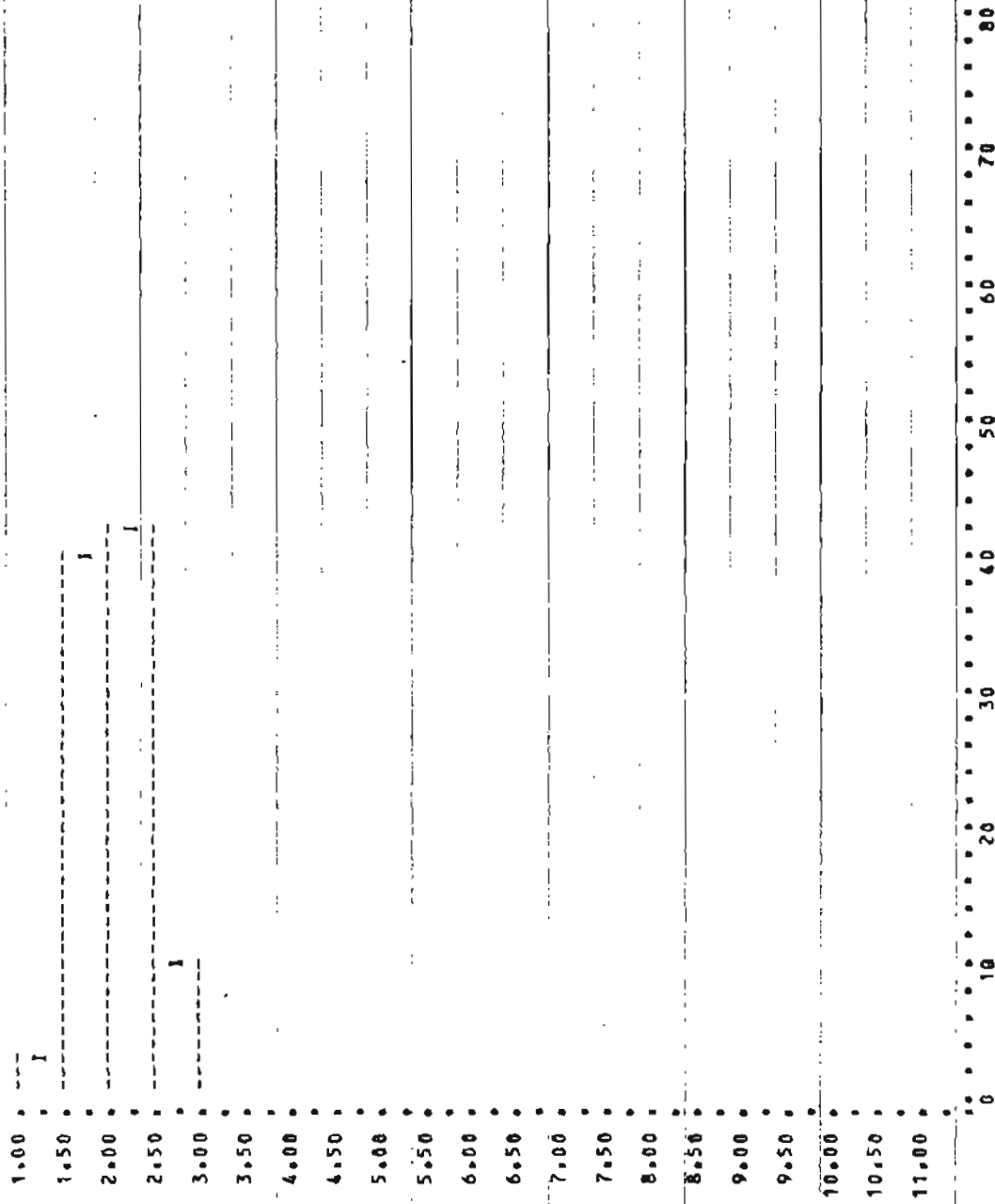
75 2.356

84 2.462

95 2.839

PHI

406  
SAMPLE NUMBER



FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 406 (0-1)

SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	19.190	GRAMS
CLAY AND SILT WEIGHT	2.610	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	16.580	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

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MEDIAN (PHI) 2.649  
MODE (PHI) 2.524  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.771	1.018	0.506	2.842

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.833	0.650	0.284 2.566	2.521

-----  
VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.093	1.495	1.331	7.321

-----

## COMPOSITE SIZE ANALYSIS

COOK 406 (D-1)

GRAVEL WT.	0.0	SAND WT.	16.58	SILT WT.	2.14	CLAY WT.	0.47
GRAVEL PCT	0.0	SAND PCT	86.40	SILT PCT	11.16	CLAY PCT	2.44
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	6.35	SILT-CLAY RATIO		4.57			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.080	0.080	0.430	0.430
2.000	0.500	0.580	2.590	3.020
2.500	6.800	7.380	35.430	38.450
3.000	7.460	14.840	38.880	77.330
3.500	1.330	16.170	6.910	84.240
4.000	0.410	16.580	2.160	86.400
4.500	0.200	16.780	1.060	87.460
5.000	0.360	17.140	1.870	89.330
5.500	0.410	17.550	2.140	91.470
6.000	0.360	17.910	1.850	93.320
6.500	0.280	18.180	1.440	94.760
7.000	0.220	18.410	1.160	95.920
7.500	0.170	18.580	0.890	96.810
8.000	0.140	18.720	0.750	97.560
8.500	0.110	18.830	0.580	98.140
9.000	0.090	18.920	0.450	98.590
9.500	0.080	19.000	0.430	99.020
10.000	0.070	19.080	0.390	99.410
10.500	0.070	19.140	0.350	99.760
11.000	0.050	19.190	0.240	100.000

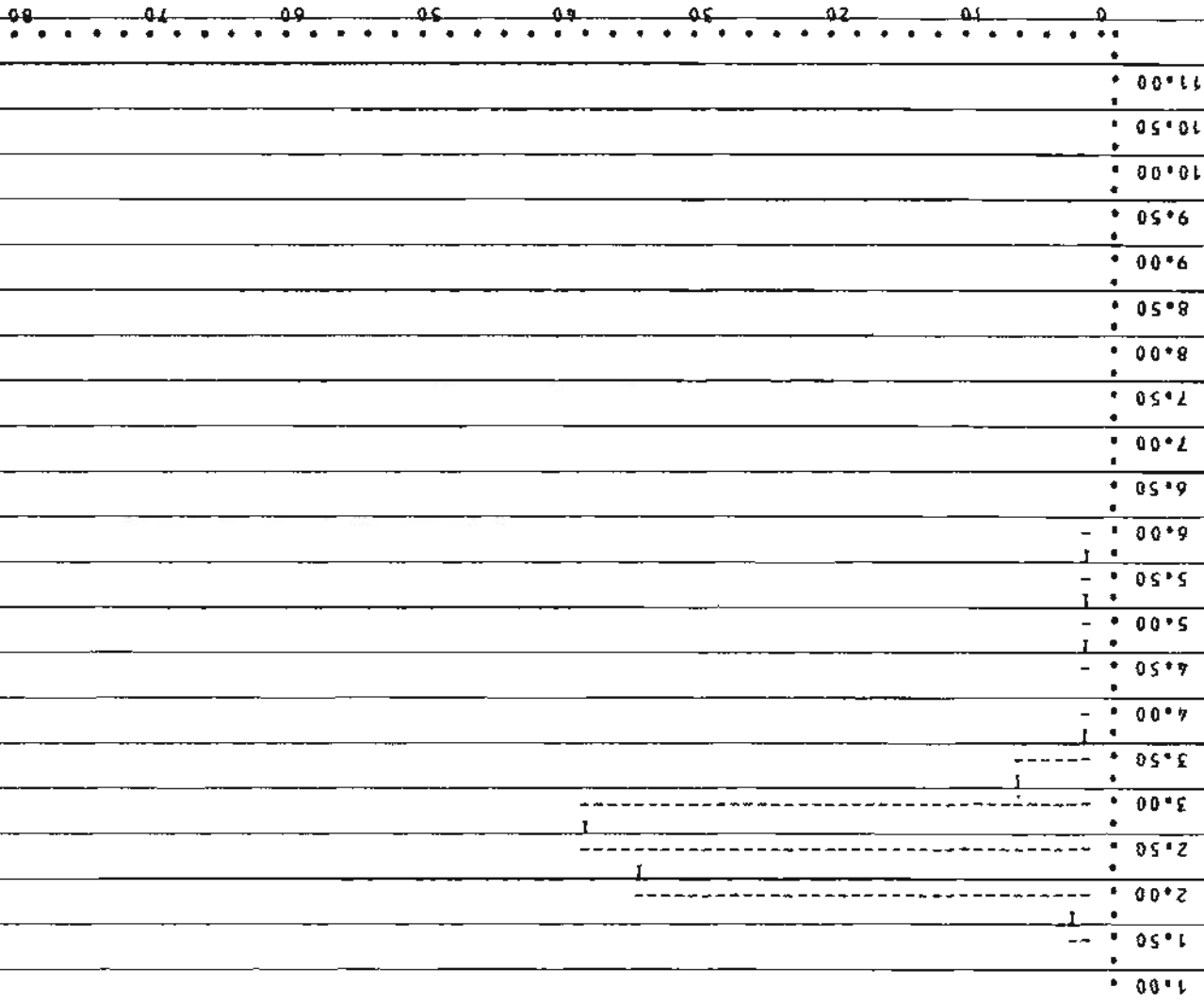
ONE PERCENTILE 1.610

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.028
16	2.183
25	2.310
50	2.649
75	2.970
84	3.483
95	6.603

COOK 406 (0-1)  
SAMPLE NUMBER

PH1



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 406 (23-27)  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	89.300	GRAMS
CLAY AND SILT WEIGHT	0.990	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	86.390	GRAMS
DETRITUS GREATER THAN 2 MM.	1.92	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.020  
MODE (PHI) 1.711

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.046	0.402	0.188	0.918

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.060	0.401	0.098	0.651
		0.460	

VERBALIZATION OF FOLK PARAMETERS  
WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.105	0.584	2.484	45.553

## COMPOSITE SIZE ANALYSIS COOK 405 (23-27)

GRAVEL WT. 0.0 SAND WT. 86.39 SILT WT. 0.88 CLAY WT. 0.11

GRAVEL PCT 0.0 SAND PCT 98.87 SILT PCT 1.01 CLAY PCT 0.12

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 87.27 SILT-CLAY RATIO 8.20

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.500	0.0	0.0	0.0	0.0
1.000	0.860	0.860	0.990	0.990
1.500	0.0	0.860	0.0	0.990
2.000	41.470	42.330	47.450	48.440
2.500	33.690	76.020	38.560	87.000
3.000	9.500	85.530	10.880	97.880
3.500	0.860	86.390	0.990	98.870
4.000	0.0	86.390	0.0	98.870
4.500	0.080	86.470	0.090	98.960
5.000	0.160	86.630	0.180	99.140
5.500	0.200	86.830	0.230	99.370
6.000	0.170	86.990	0.190	99.560
6.500	0.110	87.100	0.120	99.680
7.000	0.080	87.180	0.090	99.770
7.500	0.050	87.230	0.060	99.830
8.000	0.040	87.270	0.050	99.880
8.500	0.030	87.300	0.030	99.910
9.000	0.020	87.330	0.030	99.940
9.500	0.020	87.350	0.020	99.960
10.000	0.020	87.360	0.020	99.980
10.500	0.010	87.370	0.010	99.990
11.000	0.010	87.380	0.010	100.000

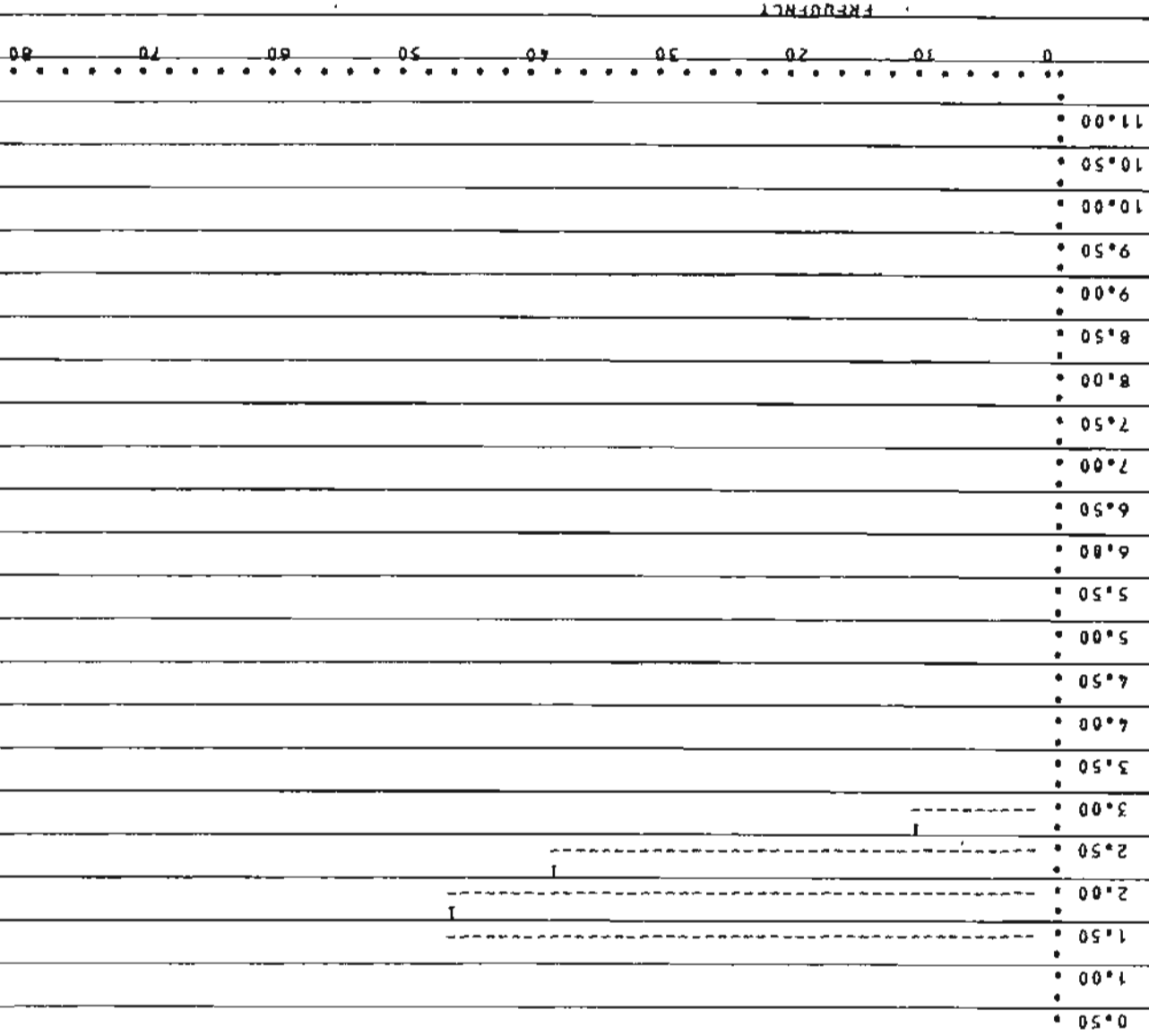
ONE PERCENTILE 1.500

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.542
16	1.658
25	1.753
50	2.020
75	2.344
84	2.461
95	2.868

pH

COOK 406 (23-27)  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 407  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	14.180	GRAMS
CLAY AND SILT WEIGHT	11.030	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	3.150	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 6.007  
MODE (PHI) 3.638

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.248	2.360	0.146	0.712

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.368	2.617	0.138	0.326
		0.204	

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED

FINE SKEWED

VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.260	2.271	0.115	-1.147

## COMPOSITE SIZE ANALYSIS

COOK 407

GRAVEL WT.	0.0	SAND WT.	3.15	SILT WT.	7.15	CLAY WT.	3.88
GRAVEL PCT	0.0	SAND PCT	22.21	SILT PCT	50.42	CLAY PCT	27.37
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.29	SILT-CLAY RATIO		1.84			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.080	0.080	0.440	0.440
3.000	0.540	0.600	3.780	4.220
3.500	0.790	1.390	5.550	9.770
4.000	1.760	3.150	12.440	22.210
4.500	0.980	4.130	6.880	29.090
5.000	1.060	5.180	7.450	36.540
5.500	1.030	6.210	7.280	43.820
6.000	0.860	7.080	6.100	49.920
6.500	0.840	7.920	5.910	55.830
7.000	0.760	8.680	5.390	61.220
7.500	0.750	9.430	5.310	66.530
8.000	0.870	10.300	6.100	72.630
8.500	0.860	11.160	6.060	78.690
9.000	0.770	11.930	5.470	84.160
9.500	0.820	12.750	5.770	89.930
10.000	0.710	13.460	5.000	94.930
10.500	0.440	13.900	3.100	98.030
11.000	0.280	14.180	1.970	100.000

ONE PERCENTILE 2.574

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	3.070
16	3.750
25	4.203
50	6.007
75	8.196
84	8.985
95	10.011

COOK 407  
SAMPLE NUMBER

pH1

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 5 10 15 20 25 30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 408  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	30.700	GRAMS
CLAY AND SILT WEIGHT	23.320	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	7.220	GRAMS
DETRITUS GREATER THAN 2 MM.	0.16	GRAMS
BEAKER WEIGHT	0.0	GRAMS

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MEDIAN (PHI) 5.571  
MODE (PHI) 4.028  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.005	2.351	0.261	0.743

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.222	2.589	0.252 0.365	0.346

-----  
VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
FINE SKEWED  
VERY FLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.010	2.286	0.192	-1.017

-----

## COMPOSITE SIZE ANALYSIS

COOK 408

GRAVEL WT.	0.0	SAND WT.	7.22	SILT WT.	15.99	CLAY WT.	7.33
GRAVEL PCT	0.0	SAND PCT	23.64	SILT PCT	52.35	CLAY PCT	24.01
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	0.31			SILT-CLAY RATIO	2.18		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.110	0.110	0.330	0.330
2.500	0.320	0.430	1.070	1.420
3.000	0.940	1.370	3.070	4.490
3.500	2.670	4.040	8.750	13.240
4.000	3.180	7.220	10.400	23.640
4.500	3.300	10.520	10.800	34.440
5.000	2.330	12.850	7.880	42.120
5.500	2.140	15.000	6.990	49.110
6.000	1.920	16.920	6.300	55.410
6.500	1.670	18.590	5.470	60.880
7.000	1.510	20.110	4.960	65.840
7.500	1.480	21.590	4.850	70.690
8.000	1.620	23.210	5.300	75.990
8.500	1.600	24.810	5.230	81.220
9.000	1.360	26.170	4.460	85.680
9.500	1.490	27.650	4.870	90.550
10.000	1.360	29.010	4.440	94.990
10.500	0.920	29.930	3.010	98.000
11.000	0.610	30.540	2.000	100.000

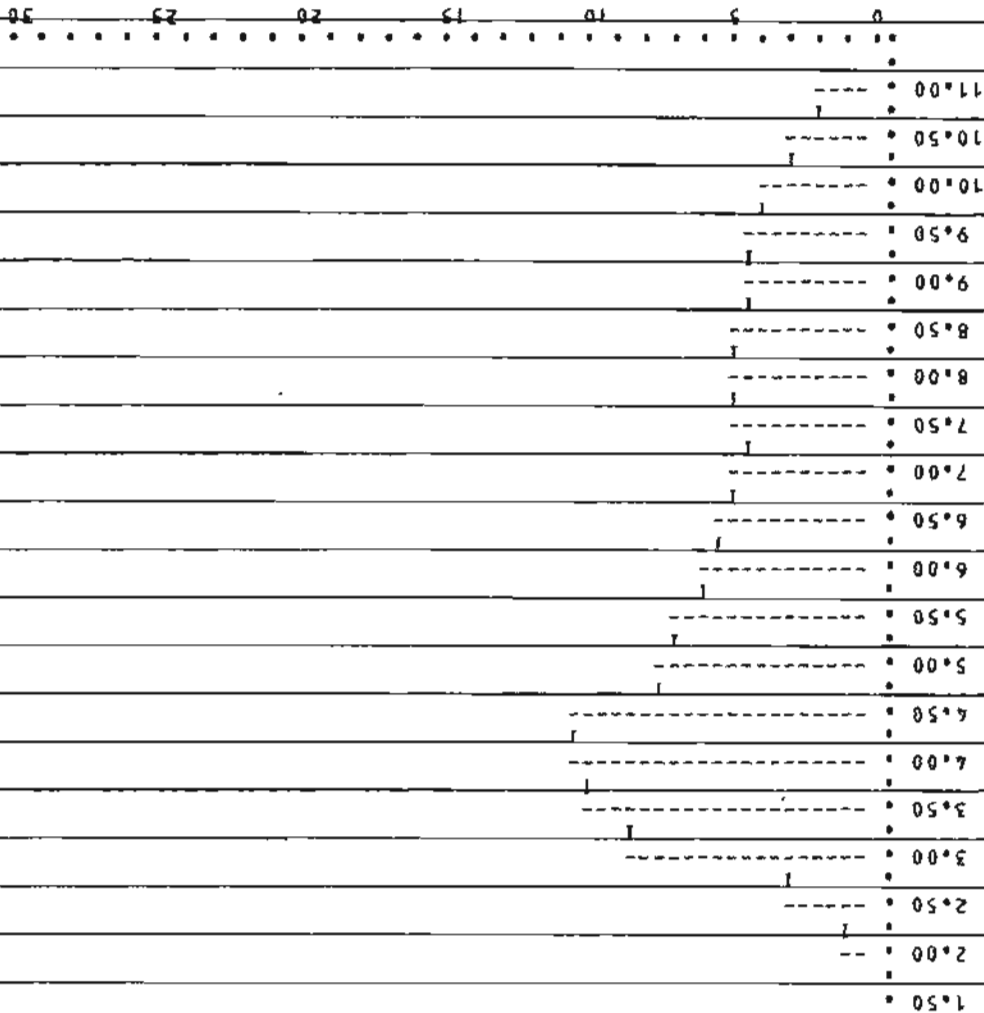
ONE PERCENTILE 2.304

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	3.029
16	3.633
25	4.063
50	5.571
75	7.907
84	8.812
95	10.002

COOK 408  
SAMPLE NUMBER

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 409  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	34.150	GRAMS
CLAY AND SILT WEIGHT	23.670	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	10.480	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 7.023  
MODE (PHI) 3.610

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.440	2.256	-0.244	0.690

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.148	2.481	-0.353	0.352
		-0.181	

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.516	2.245	0.002	-1.180

## COMPOSITE SIZE ANALYSIS

COOK 409

GRAVEL WT.	0.0	SAND WT.	10.48	SILT WT.	16.32	CLAY WT.	7.35
GRAVEL PCT	0.0	SAND PCT	30.69	SILT PCT	47.78	CLAY PCT	21.53
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	0.44			SILT-CLAY RATIO	2.22		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.210	0.210	0.810	0.810
2.500	0.100	0.310	0.310	0.920
3.000	0.420	0.730	1.230	2.150
3.500	2.200	2.930	6.440	8.590
4.000	7.550	10.480	22.100	30.690
4.500	0.760	11.240	2.220	32.910
5.000	0.880	12.120	2.570	35.480
5.500	1.050	13.170	3.070	38.550
6.000	1.110	14.280	3.260	41.810
6.500	1.260	15.540	3.690	45.500
7.000	1.260	16.800	3.690	49.190
7.500	5.890	22.690	17.240	66.430
8.000	4.110	26.800	12.040	78.470
8.500	1.530	28.330	4.480	82.950
9.000	1.390	29.720	4.080	87.030
9.500	1.540	31.260	4.500	91.530
10.000	1.390	32.650	4.070	95.600
10.500	0.920	33.570	2.690	98.290
11.000	0.580	34.150	1.710	100.000

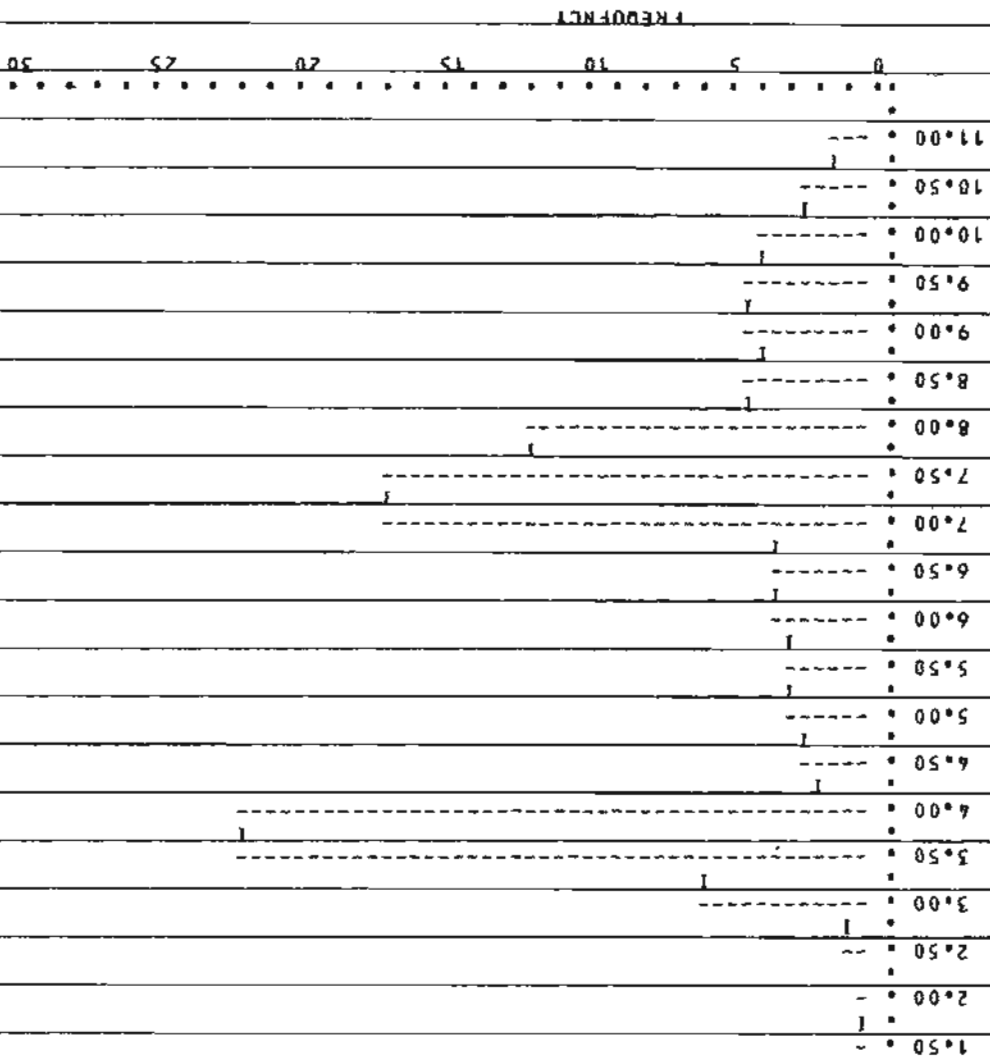
ONE PERCENTILE 2.533

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	3.221
16	3.668
25	3.871
50	7.023
75	7.856
84	8.629
95	9.926

COOK 409  
SAMPLE NUMBER

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 410  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	53.240	GRAMS
CLAY AND SILT WEIGHT	25.720	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	7.520	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.712  
MODE (PHI) 3.658

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.095	2.303	0.240	0.734

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.286	2.543	0.226 0.340	0.338

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.094	2.227	0.189	-1.010

## COMPOSITE SIZE ANALYSIS

COOK #10

GRAVEL WT.	0.0	SAND WT.	7.52	SILT WT.	17.67	CLAY WT.	8.05
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GRAVEL PCT	0.0	SAND PCT	22.62	SILT PCT	53.16	CLAY PCT	24.21
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	0.29	SILT-CLAY RATIO	2.19
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.150	0.150	0.450	0.450
2.500	0.080	0.230	0.230	0.680
3.000	0.600	0.830	1.810	2.490
3.500	2.410	3.230	7.240	9.730
4.000	4.290	7.520	12.890	22.620
4.500	3.190	10.710	9.610	32.230
5.000	2.610	15.120	7.250	39.480
5.500	2.540	15.660	7.650	47.130
6.000	2.260	17.920	6.780	53.910
6.500	2.020	19.940	6.090	60.000
7.000	1.830	21.770	5.500	65.500
7.500	1.720	23.490	5.180	70.680
8.000	1.700	25.190	5.110	75.790
8.500	1.710	26.900	5.150	80.940
9.000	1.540	28.450	4.640	85.580
9.500	1.700	30.140	5.100	90.680
10.000	1.500	31.650	4.520	95.200
10.500	0.980	32.620	2.950	98.150
11.000	0.620	33.240	1.650	100.000

ONE PERCENTILE	2.588
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## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	3.173
16	3.743
25	4.124
50	5.712
75	7.923
84	8.830
95	9.978

COOK #10  
SAMPLE NUMBER

PHI

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 5 10 15 20 25 30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 411  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	24.370	GRAMS
CLAY AND SILT WEIGHT	17.850	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	6.460	GRAMS
DETRITUS GREATER THAN 2 MM.	0.06	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.829  
MODE (PHI) 3.606

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.100	2.333	0.180	0.704

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.235	2.580	0.157	0.334
		0.270	

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.102	2.260	0.149	-1.051

## COMPOSITE SIZE ANALYSIS COOK 411

GRAVEL WT.	0.0	SAND WT.	6.46	SILT WT.	11.89	CLAY WT.	5.96
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GRAVEL PCT	0.0	SAND PCT	26.57	SILT PCT	48.89	CLAY PCT	24.53
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	0.36	SILT-CLAY RATIO	1.99
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.060	0.060	0.270	0.270
2.500	0.260	0.320	1.060	1.330
3.000	0.580	0.900	2.390	3.720
3.500	1.840	2.750	7.570	11.290
4.000	3.710	6.460	15.280	26.570
4.500	1.150	7.610	4.730	31.300
5.000	1.570	9.180	6.450	37.750
5.500	1.880	11.060	7.750	45.500
6.000	1.660	12.720	6.830	52.330
6.500	1.540	14.260	6.340	58.670
7.000	1.430	15.690	5.890	64.560
7.500	1.310	17.000	5.370	69.930
8.000	1.340	18.350	5.540	75.470
8.500	1.320	19.670	5.430	80.900
9.000	1.190	20.860	4.920	85.820
9.500	1.220	22.080	5.010	90.830
10.000	1.080	23.160	4.440	95.270
10.500	0.700	23.860	2.880	98.150
11.000	0.450	24.310	1.850	100.000

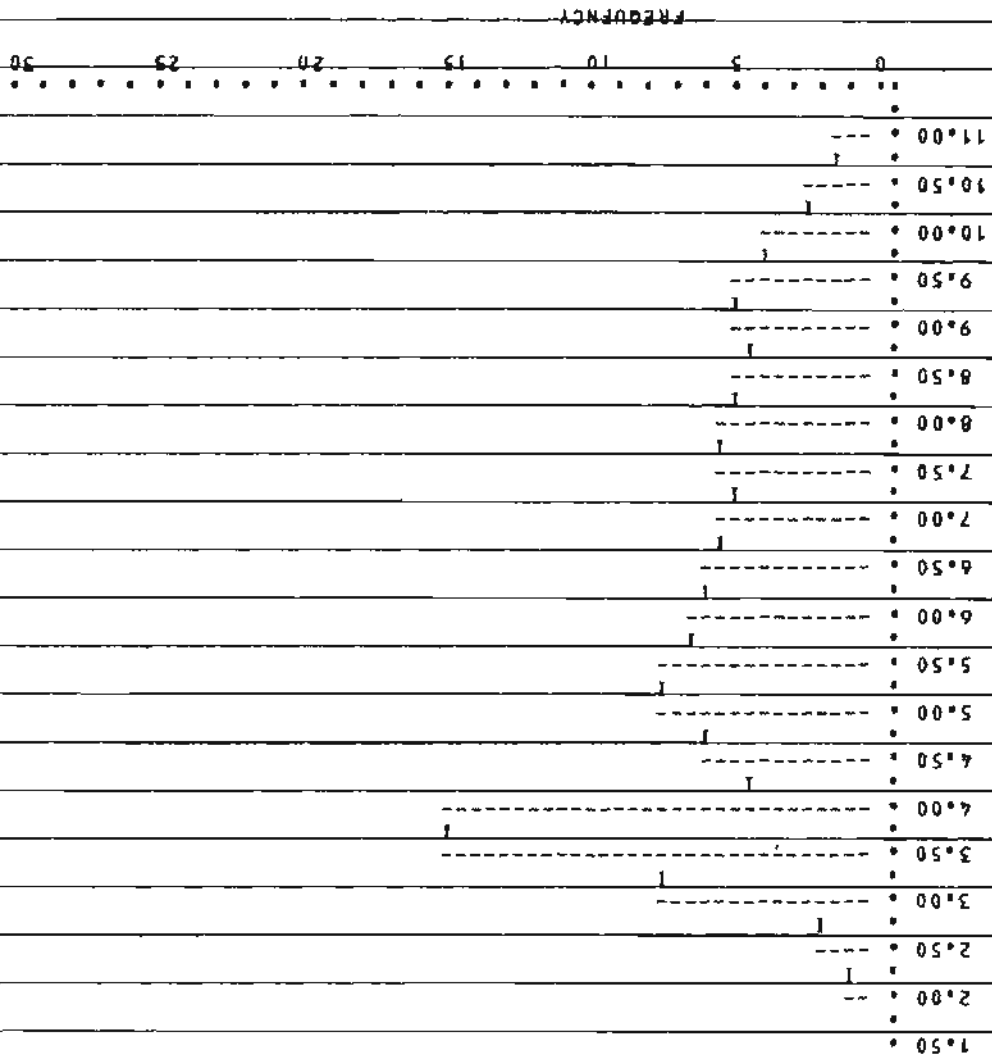
ONE PERCENTILE	2.344
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## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	3.085
16	3.654
25	3.949
50	5.829
75	7.958
84	8.815
95	9.970

COOK #11  
SAMPLE NUMBER

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 412  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	28.270	GRAMS
CLAY AND SILT WEIGHT	21.930	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	6.170	GRAMS
DETRITUS GREATER THAN 2 MM.	0.17	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.748  
MODE (PHI) 3.734

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.087	2.342	0.197	0.772

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.256	2.539	0.200 0.272	0.394

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
6.070	2.260	0.158	-0.989

## COMPOSITE SIZE ANALYSIS

COOK #12

GRAVEL WT.	0.0	SAND WT.	6.17	SILT WT.	15.18	CLAY WT.	6.75
GRAVEL PCT	0.0	SAND PCT	21.96	SILT PCT	54.01	CLAY PCT	24.03
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.28	SILT-CLAY RATIO		2.25			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.060	0.060	0.220	0.220
2.000	0.060	0.120	0.220	0.440
2.500	0.250	0.370	0.880	1.320
3.000	1.300	1.670	4.610	5.930
3.500	1.540	3.210	5.490	11.420
4.000	2.960	6.170	10.540	21.960
4.500	2.870	9.040	10.190	32.150
5.000	2.140	11.180	7.620	39.770
5.500	1.960	13.130	6.960	46.730
6.000	1.850	14.980	6.580	53.310
6.500	1.750	16.730	6.230	59.540
7.000	1.630	18.360	5.800	65.340
7.500	1.490	19.850	5.300	70.640
8.000	1.500	21.350	5.330	75.970
8.500	1.480	22.830	5.270	81.240
9.000	1.320	24.140	4.680	85.920
9.500	1.380	25.520	4.910	90.830
10.000	1.230	26.750	4.370	95.200
10.500	0.820	27.570	2.930	98.130
11.000	0.530	28.100	1.870	100.000

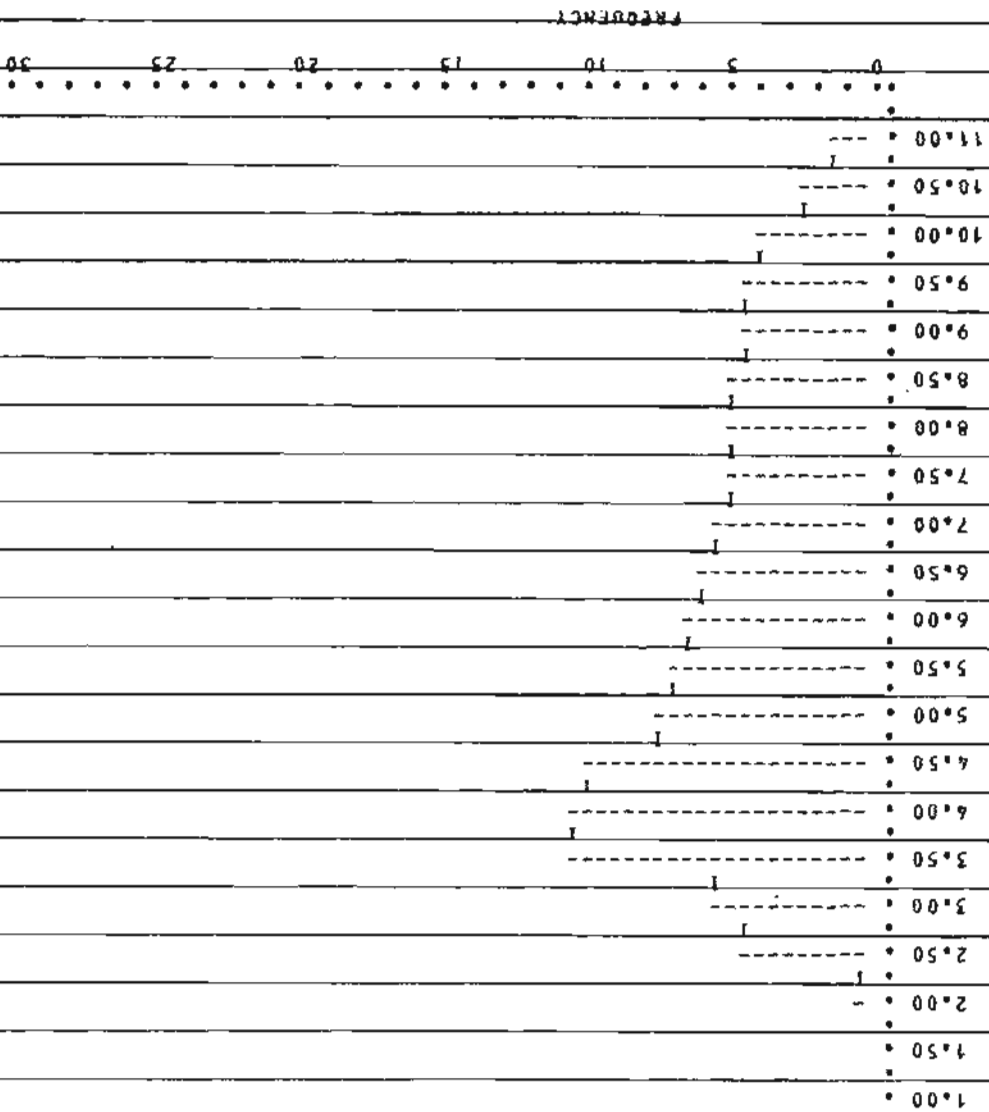
ONE PERCENTILE 2.318

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.899
18	3.717
25	4.149
50	5.748
75	7.009
84	8.795
95	9.977

COOK 412  
SAMPLE NUMBER

PH1



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

414  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	73.910	GRAMS
CLAY AND SILT WEIGHT	0.370	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	71.460	GRAMS
DETRITUS GREATER THAN 2 MM.	2.08	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.625  
MODE (PHI) 1.570

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.630	0.757	-0.183	1.744

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.633	0.562	0.013 -1.061	1.794

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.539	0.851	0.024	8.692

# COMPOSITE SIZE ANALYSIS 414

GRAVEL WT. 0.0 SAND WT. 71.46 SILT WT. 0.32 CLAY WT. 0.05

GRAVEL PCT 0.0 SAND PCT 99.49 SILT PCT 0.44 CLAY PCT 0.07

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 193.18 SILT-CLAY RATIO 5.92

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	3.930	3.930	5.470	5.470
0.0	1.430	5.360	1.990	7.460
0.500	1.070	6.430	1.490	8.950
1.000	2.140	8.580	2.990	11.940
1.500	20.720	29.300	28.850	40.790
2.000	26.440	55.740	36.810	77.600
2.500	11.790	67.530	16.410	94.010
3.000	3.570	71.100	4.980	98.990
3.500	0.360	71.460	0.500	99.490
4.000	0.0	71.460	0.0	99.490
4.500	0.040	71.500	0.040	99.530
5.000	0.060	71.550	0.090	99.620
5.500	0.070	71.620	0.090	99.710
6.000	0.050	71.680	0.080	99.790
6.500	0.040	71.710	0.050	99.840
7.000	0.030	71.740	0.030	99.870
7.500	0.020	71.760	0.030	99.900
8.000	0.020	71.780	0.030	99.930
8.500	0.010	71.790	0.020	99.950
9.000	0.010	71.800	0.010	99.960
9.500	0.010	71.810	0.020	99.980
10.000	0.010	71.820	0.010	99.990
10.500	0.010	71.830	0.010	100.000
11.000	0.0	71.830	0.0	100.000

ONE PERCENTILE -0.909

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.543
16	1.070
25	1.226
50	1.625
75	1.965
84	2.195
95	2.599

PHI

414  
SAMPLE NUMBER

-1.00  
-0.50  
0.0  
0.50  
1.00  
1.50  
2.00  
2.50  
3.00  
3.50  
4.00  
4.50  
5.00  
5.50  
6.00  
6.50  
7.00  
7.50  
8.00  
8.50  
9.00  
9.50  
10.00  
10.50  
11.00

0 10 20 30 40 50 60 70 80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 414 (0-2)  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	71.230	GRAMS
CLAY AND SILT WEIGHT	0.490	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	69.640	GRAMS
DETRITUS GREATER THAN 2 MM.	1.10	GRAMS
BEAKER WEIGHT	0.0	GRAMS

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MEDIAN (PHI) 1.743  
MODE (PHI) 1.630  
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FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.731	0.605	-0.228	1.859

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.724	0.478	-0.040	1.531
		-1.055	

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VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
COARSE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.681	0.751	0.327	18.236

## COMPOSITE SIZE ANALYSIS

COOK 414 (G-2)

GRAVEL WT. 0.0 SAND WT. 69.64 SILT WT. 0.43 CLAY WT. 0.06

GRAVEL PCT 0.0 SAND PCT 99.30 SILT PCT 0.61 CLAY PCT 0.09

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 142.15 SILT-CLAY RATIO 6.56

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	2.440	2.440	3.480	3.480
0.0	1.040	3.480	1.490	4.970
0.500	0.350	3.830	0.490	5.460
1.000	0.350	4.180	0.500	5.960
1.500	14.280	18.450	20.350	26.310
2.000	34.120	52.580	48.660	74.970
2.500	15.670	68.250	22.350	97.320
3.000	1.390	69.640	1.980	99.300
3.500	0.0	69.640	0.0	99.300
4.000	0.0	69.640	0.0	99.300
4.500	0.050	69.690	0.070	99.370
5.000	0.080	69.760	0.100	99.470
5.500	0.090	69.850	0.140	99.610
6.000	0.080	69.930	0.100	99.710
6.500	0.050	69.980	0.080	99.790
7.000	0.040	70.020	0.050	99.840
7.500	0.030	70.040	0.040	99.880
8.000	0.020	70.070	0.030	99.910
8.500	0.020	70.080	0.020	99.930
9.000	0.010	70.100	0.020	99.950
9.500	0.010	70.110	0.020	99.970
10.000	0.010	70.120	0.010	99.980
10.500	0.010	70.120	0.010	99.990
11.000	0.010	70.130	0.010	100.000

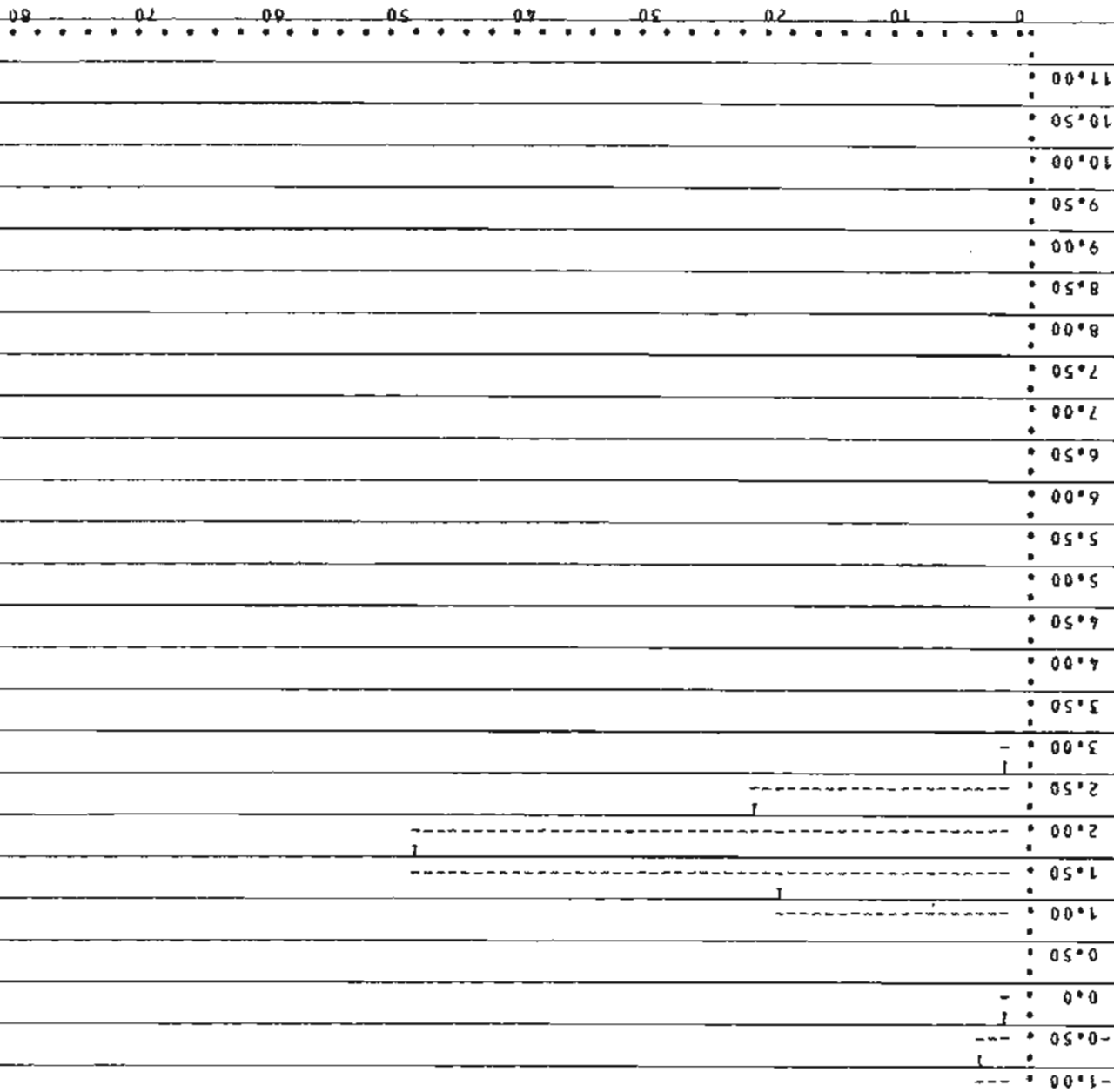
ONE PERCENTILE -0.856

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	0.031
16	1.247
25	1.468
50	1.743
75	2.001
84	2.202
95	2.448

COOK 414 (0-2)  
SAMPLE NUMBER

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

COOK 414 (19-21)  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	91.470	GRAMS
CLAY AND SILT WEIGHT	0.700	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	87.080	GRAMS
DETRITUS GREATER THAN 2 MM.	3.69	GRAMS
BEAKER WEIGHT	0.0	GRAMS

-----  
MEDIAN (PHI) 1.639  
MODE (PHI) 1.621  
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FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.409	0.887	-0.472	1.657

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.293	0.782	-0.443	1.097
		-1.050	

-----  
VERBALIZATION OF FOLK PARAMETERS  
MODERATELY SORTED  
STRONGLY COARSE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.365	1.041	-0.115	4.534

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## COMPOSITE SIZE ANALYSIS

COOK 414 (19-21)

GRAVEL WT. 0.0 SAND WT. 87.08 SILT WT. 0.63 CLAY WT. 0.07

GRAVEL PCT 0.0 SAND PCT 99.20 SILT PCT 0.72 CLAY PCT 0.08

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 124.42 SILT-CLAY RATIO 9.01

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	12.190	12.190	13.890	13.890
0.0	0.870	13.060	0.990	14.880
0.500	0.870	13.930	0.990	15.870
1.000	4.790	18.720	5.460	21.330
1.500	14.370	33.090	16.370	37.700
2.000	38.750	71.840	44.140	81.840
2.500	12.630	84.470	14.390	96.230
3.000	2.610	87.080	2.970	99.200
3.500	0.0	87.080	0.0	99.200
4.000	0.0	87.080	0.0	99.200
4.500	0.150	87.230	0.170	99.370
5.000	0.150	87.370	0.170	99.540
5.500	0.150	87.510	0.150	99.690
6.000	0.090	87.590	0.100	99.790
6.500	0.050	87.640	0.050	99.840
7.000	0.030	87.670	0.040	99.880
7.500	0.020	87.690	0.020	99.900
8.000	0.020	87.710	0.020	99.920
8.500	0.010	87.720	0.020	99.940
9.000	0.010	87.740	0.010	99.950
9.500	0.010	87.750	0.010	99.960
10.000	0.010	87.760	0.020	99.980
10.500	0.010	87.770	0.010	99.990
11.000	0.010	87.780	0.010	100.000

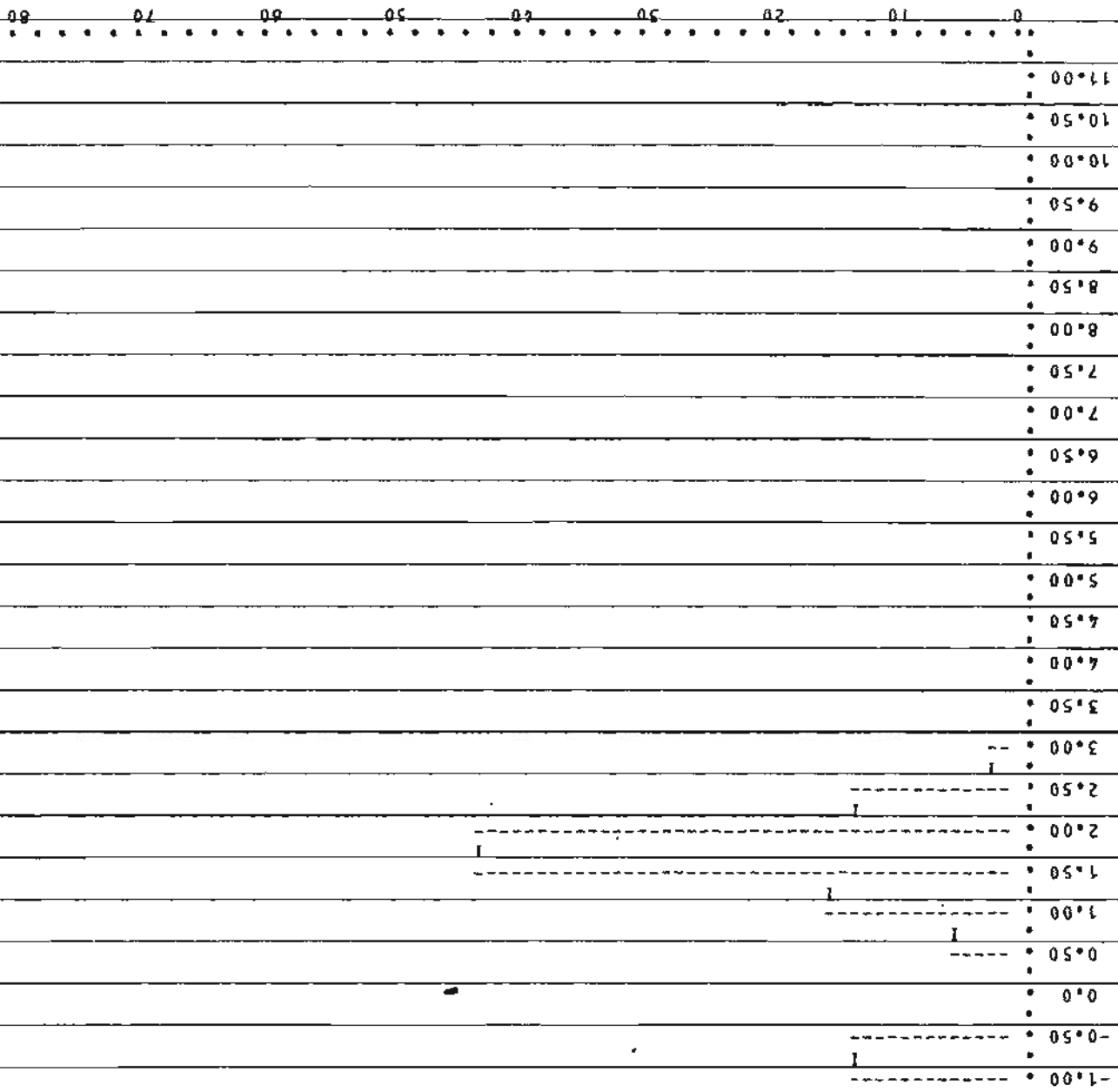
ONE PERCENTILE -0.964

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.820
16	0.512
25	1.112
50	1.839
75	1.923
84	2.075
95	2.457

PHI

COOK 414 (19-21)  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

416  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	223.710	GRAMS
CLAY AND SILT WEIGHT	4.650	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	30.150	GRAMS
DETRITUS GREATER THAN 2 MM.	188.91	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.662  
MODE (PHI) 1.525

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.033	1.712	0.360	2.343

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.218	1.346	0.413 0.783	1.546

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY FLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.049	1.942	0.810	3.694

## COMPOSITE SIZE ANALYSIS 416

GRAVEL WT.	0.0	SAND WT.	30.15	SILT WT.	3.83	CLAY WT.	0.82
GRAVEL PCT	0.0	SAND PCT	86.64	SILT PCT	11.01	CLAY PCT	2.35
CARBONATE WT	0.0	CARBONATE PCT				0.0	
SAND-MUD RATIO	6.48	SILT-CLAY RATIO				4.69	

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	3.010	3.010	8.660	8.660
0.0	0.750	3.770	2.170	10.830
0.500	0.450	4.220	1.300	12.130
1.000	1.810	6.030	5.200	17.330
1.500	8.440	14.470	24.260	41.590
2.000	9.040	23.520	25.990	67.580
2.500	3.620	27.130	10.390	77.970
3.000	0.900	28.040	2.600	80.570
3.500	1.060	29.090	3.040	83.610
4.000	1.060	30.150	3.030	86.640
4.500	1.300	31.450	3.730	90.370
5.000	0.660	32.110	1.900	92.270
5.500	0.480	32.590	1.380	93.650
6.000	0.380	32.970	1.100	94.750
6.500	0.310	33.280	0.870	95.620
7.000	0.270	33.550	0.780	96.400
7.500	0.230	33.780	0.670	97.070
8.000	0.200	33.980	0.580	97.650
8.500	0.190	34.180	0.560	98.210
9.000	0.170	34.350	0.490	98.700
9.500	0.170	34.520	0.490	99.190
10.000	0.140	34.660	0.420	99.610
10.500	0.080	34.750	0.240	99.850
11.000	0.050	34.800	0.150	100.000

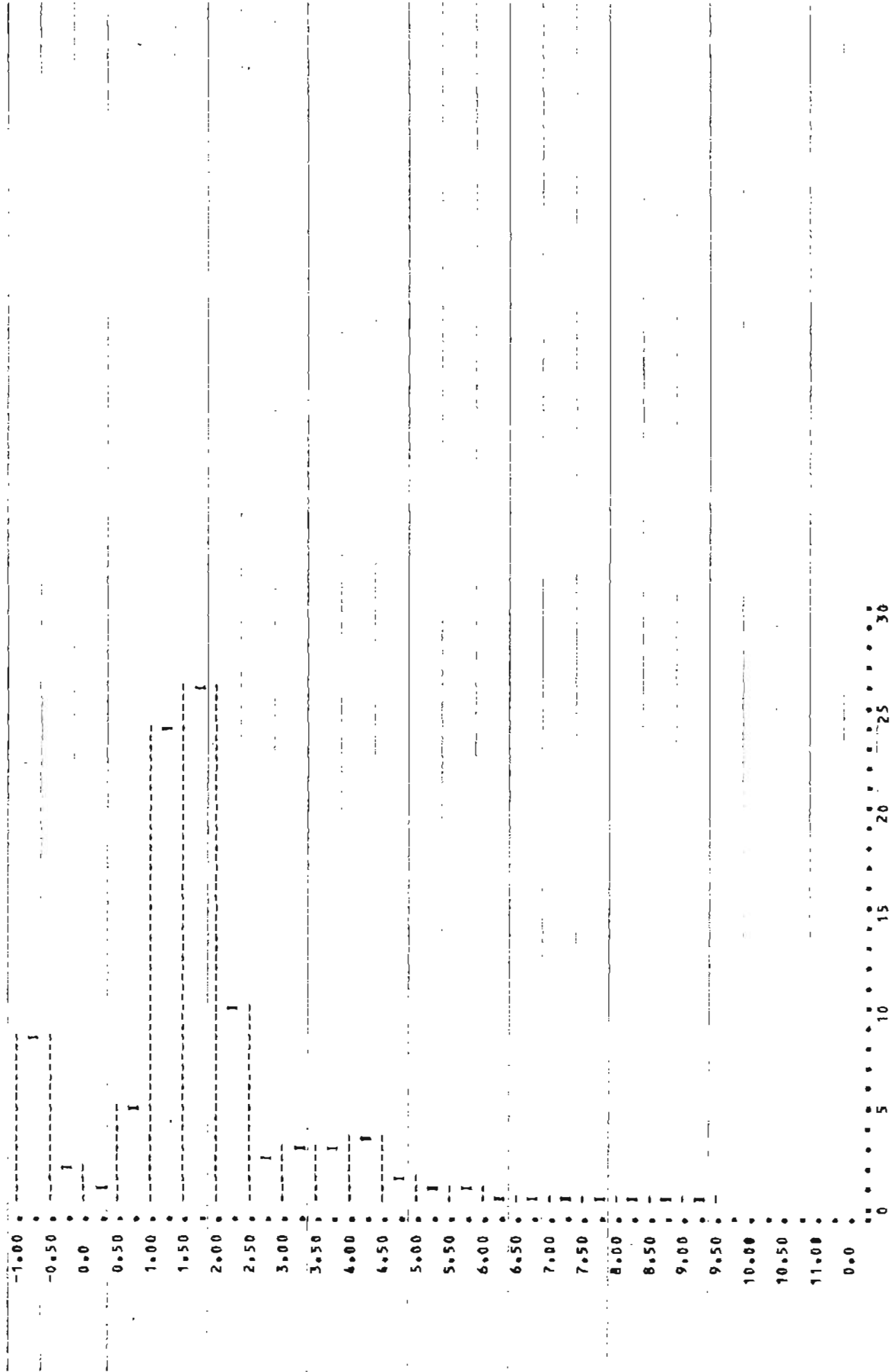
ONE PERCENTILE -0.942

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.711
16	0.872
25	1.158
50	1.662
75	2.357
84	3.564
95	6.144

PH1

416  
SAMPLE NUMBER



FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

418  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	164.670	GRAMS
CLAY AND SILT WEIGHT	1.440	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	129.670	GRAMS
DETRITUS GREATER THAN 2 MM.	33.56	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.773  
MODE (PHI) 1.631

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.773	0.236	0.189	1.188

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.773	0.206	0.0 0.807	1.131

VERBALIZATION OF FOLK PARAMETERS

VERY WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.819	0.669	3.071	67.658

## COMPOSITE SIZE ANALYSIS 418

GRAVEL WT.	0.0	SAND WT.	129.67	SILT WT.	1.00	CLAY WT.	0.44
GRAVEL PCT	0.0	SAND PCT	98.90	SILT PCT	0.76	CLAY PCT	0.33
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	90.05			SILT-CLAY RATIO	2.29		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	1.300	1.300	0.990	0.990
0.0	0.0	1.300	0.0	0.990
0.500	0.650	1.950	0.490	1.480
1.000	0.650	2.590	0.500	1.980
1.500	3.890	6.480	2.970	4.950
2.000	108.270	114.760	82.580	87.530
2.500	12.970	127.720	9.890	97.420
3.000	1.950	129.670	1.480	98.900
3.500	0.0	129.670	0.0	98.900
4.000	0.0	129.670	0.0	98.900
4.500	0.100	129.770	0.080	98.980
5.000	0.150	129.920	0.110	99.090
5.500	0.170	130.090	0.130	99.220
6.000	0.150	130.240	0.120	99.340
6.500	0.130	130.370	0.090	99.430
7.000	0.110	130.480	0.090	99.520
7.500	0.090	130.570	0.070	99.590
8.000	0.100	130.670	0.080	99.670
8.500	0.100	130.770	0.070	99.740
9.000	0.090	130.860	0.070	99.810
9.500	0.090	130.950	0.070	99.880
10.000	0.080	131.030	0.060	99.940
10.500	0.050	131.080	0.040	99.980
11.000	0.030	131.110	0.020	100.000

ONE PERCENTILE 0.010

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.500
16	1.567
25	1.621
50	1.773
75	1.924
84	1.979
95	2.378

FREQUENCY PERCENT FOR SAMPLE NUMBER 418  
HISTOGRAM FOR THIS SAMPLE OMITTED

EXCEED S 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

419  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	192.360	GRAMS
CLAY AND SILT WEIGHT	5.210	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	106.080	GRAMS
DETRITUS GREATER THAN 2 MM.	81.07	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 0.842  
MODE (PHI) 0.167

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.032	1.226	0.240	0.978

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.126	1.198	0.237 0.421	0.728

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.210	1.704	1.194	8.259

## COMPOSITE SIZE ANALYSIS 419

GRAVEL WT.	0.0	SAND WT.	106.08	SILT WT.	3.36	CLAY WT.	1.85
GRAVEL PCT	0.0	SAND PCT	95.32	SILT PCT	3.02	CLAY PCT	1.67
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	20.36			SILT-CLAY RATIO	1.81		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	10.080	10.080	9.060	9.060
0.0	9.020	19.090	8.100	17.160
0.500	24.930	44.020	22.400	39.560
1.000	16.970	61.000	15.250	54.810
1.500	11.140	72.130	10.010	64.820
2.000	13.790	85.920	12.390	77.210
2.500	11.670	97.590	10.480	87.690
3.000	6.360	103.960	5.720	93.410
3.500	2.120	106.080	1.910	95.320
4.000	0.0	106.080	0.0	95.320
4.500	0.510	106.590	0.460	95.780
5.000	0.480	107.070	0.430	96.210
5.500	0.490	107.570	0.440	96.650
6.000	0.330	107.900	0.300	96.950
6.500	0.350	108.250	0.320	97.270
7.000	0.350	108.610	0.320	97.590
7.500	0.390	108.990	0.350	97.940
8.000	0.440	109.440	0.390	98.330
8.500	0.430	109.870	0.390	98.720
9.000	0.390	110.260	0.350	99.070
9.500	0.390	110.650	0.350	99.420
10.000	0.330	110.970	0.300	99.720
10.500	0.200	111.170	0.170	99.890
11.000	0.120	111.290	0.110	100.000

ME PERCENTILE -0.945

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.724
16	-0.072
25	0.175
50	0.842
75	1.911
84	2.324
95	3.416

PHI

619  
SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

0 5 10 15 20 25 30

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

420  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	155.810	GRAMS
CLAY AND SILT WEIGHT	0.520	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	106.690	GRAMS
DETRITUS GREATER THAN 2 MM.	48.60	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.838  
MODE (PHI) 1.651

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.888	0.358	0.136	1.046

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.912	0.354	0.210 0.105	0.682

VERBALIZATION OF FOLK PARAMETERS  
WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.891	0.457	3.076	81.163

## COMPOSITE SIZE ANALYSIS 420

GRAVEL WT.	0.0	SAND WT.	106.69	SILT WT.	0.44	CLAY WT.	0.08
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GRAVEL PCT	0.0	SAND PCT	99.52	SILT PCT	0.41	CLAY PCT	0.08
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	205.22	SILT-CLAY RATIO	5.43
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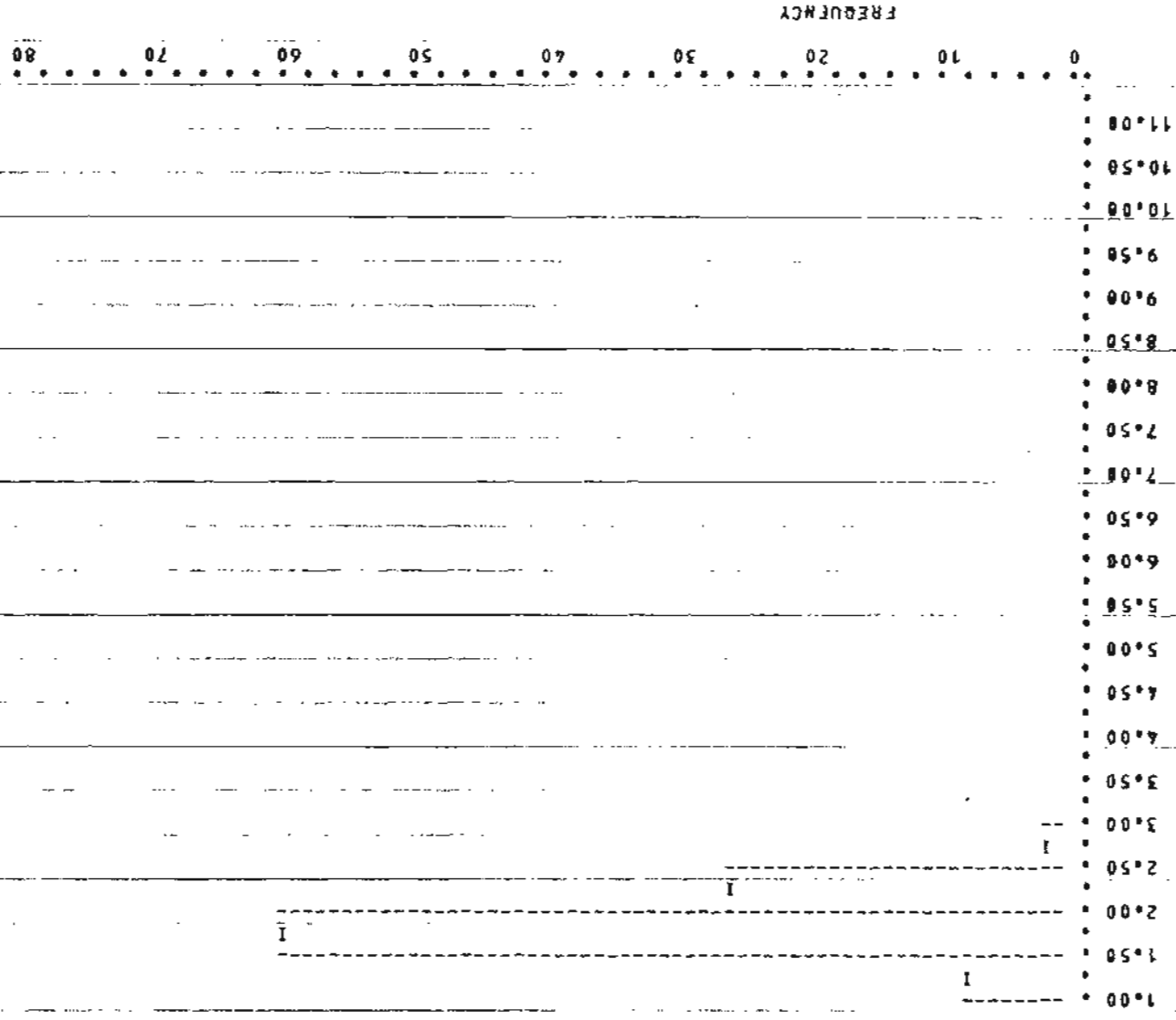
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	9.600	9.600	8.960	8.960
2.000	65.080	74.680	60.700	69.660
2.500	28.810	103.490	26.870	96.530
3.000	3.200	106.690	2.990	99.520
3.500	0.0	106.690	0.0	99.520
4.000	0.0	106.690	0.0	99.520
4.500	0.040	106.730	0.030	99.550
5.000	0.080	106.810	0.080	99.630
5.500	0.100	106.910	0.090	99.720
6.000	0.080	106.990	0.070	99.790
6.500	0.050	107.040	0.050	99.840
7.000	0.040	107.080	0.040	99.880
7.500	0.030	107.110	0.030	99.910
8.000	0.020	107.130	0.010	99.920
8.500	0.020	107.150	0.020	99.940
9.000	0.020	107.160	0.020	99.960
9.500	0.020	107.180	0.010	99.970
10.000	0.010	107.190	0.010	99.980
10.500	0.010	107.200	0.010	99.990
11.000	0.010	107.210	0.010	100.000

NF PERCENTILE	1.056
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PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.279
16	1.558
25	1.632
50	1.838
75	2.099
84	2.267
95	2.472

620  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

421  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	140.670	GRAMS
CLAY AND SILT WEIGHT	1.550	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	138.900	GRAMS
DETRITUS GREATER THAN 2 MM.	0.22	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.894  
MODE (PHI) 1.673

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.938	0.425	0.132	1.060

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.960	0.400	0.166 0.180	0.850

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.970	0.654	2.794	54.775

## COMPOSITE SIZE ANALYSIS 421

GRAVEL WT.	0.0	SAND WT.	138.90	SILT WT.	1.19	CLAY WT.	0.36
GRAVEL PCT	0.0	SAND PCT	98.90	SILT PCT	0.84	CLAY PCT	0.26
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	89.62	SILT-CLAY RATIO		3.25			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.0	0.0	0.0	0.0	0.0
0.500	0.690	0.690	0.490	0.490
1.000	0.690	1.390	0.500	0.990
1.500	12.500	13.890	8.900	9.890
2.000	71.530	85.420	50.930	60.820
2.500	45.140	130.570	32.140	92.960
3.000	6.940	137.510	4.950	97.910
3.500	1.390	138.900	0.990	98.900
4.000	0.0	138.900	0.0	98.900
4.500	0.230	139.130	0.160	99.060
5.000	0.200	139.330	0.140	99.200
5.500	0.190	139.520	0.140	99.340
6.000	0.160	139.680	0.110	99.450
6.500	0.120	139.800	0.090	99.540
7.000	0.110	139.910	0.080	99.620
7.500	0.090	140.000	0.060	99.680
8.000	0.090	140.090	0.060	99.740
8.500	0.080	140.160	0.050	99.790
9.000	0.070	140.230	0.050	99.840
9.500	0.070	140.300	0.060	99.900
10.000	0.060	140.370	0.040	99.940
10.500	0.050	140.420	0.040	99.980
11.000	0.030	140.450	0.020	100.000

ONE PERCENTILE 1.001

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.225
16	1.560
25	1.648
50	1.894
75	2.221
84	2.361
95	2.706

PHI

421  
SAMPLE NUMBER

0.0  
0.50  
1.00  
1.50  
2.00  
2.50  
3.00  
3.50  
4.00  
4.50  
5.00  
5.50  
6.00  
6.50  
7.00  
7.50  
8.00  
8.50  
9.00  
9.50  
10.00  
10.50  
11.00

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0 10 20 30 40 50 60 70 80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

422  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	205.590	GRAMS
CLAY AND SILT WEIGHT	21.770	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	71.590	GRAMS
DETRITUS GREATER THAN 2 MM.	112.23	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.080  
MODE (PHI) 1.719

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.772	2.866	0.380	1.747

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.118	2.851	0.364 0.659	0.668

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.762	2.761	0.513	0.385

## COMPOSITE SIZE ANALYSIS 422

GRAVEL WT.	0.0	SAND WT.	71.59	SILT WT.	14.46	CLAY WT.	7.31
GRAVEL PCT	0.0	SAND PCT	76.68	SILT PCT	15.49	CLAY PCT	7.83
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	3.29	SILT-CLAY RATIO		1.98			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	11.450	11.450	12.270	12.270
0.0	2.150	13.600	2.300	14.570
0.500	2.510	16.110	2.680	17.250
1.000	3.220	19.330	3.450	20.700
1.500	10.020	29.350	10.740	31.440
2.000	15.030	44.390	16.100	47.540
2.500	14.320	58.700	15.340	62.880
3.000	8.230	66.940	8.820	71.700
3.500	3.580	70.520	3.830	75.530
4.000	1.070	71.590	1.150	76.680
4.500	1.400	72.990	1.500	78.180
5.000	1.710	74.700	1.830	80.010
5.500	1.900	76.600	2.040	82.050
6.000	1.950	78.550	2.080	84.130
6.500	1.940	80.490	2.080	86.210
7.000	1.860	82.350	2.000	88.210
7.500	1.830	84.180	1.950	90.160
8.000	1.870	86.050	2.010	92.170
8.500	1.930	87.970	2.060	94.230
9.000	1.680	89.660	1.800	96.030
9.500	1.660	91.320	1.790	97.820
10.000	0.630	91.950	0.670	98.490
10.500	0.870	92.820	0.930	99.420
11.000	0.540	93.360	0.580	100.000

ONE PERCENTILE -0.959

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.796
16	0.267
25	1.200
50	2.080
75	3.431
84	5.969
95	8.714

622  
SAMPLE NUMBER

PHI

-1.00	1
-0.50	1
0.00	1
0.50	1
1.00	1
1.50	1
2.00	1
2.50	1
3.00	1
3.50	1
4.00	1
4.50	1
5.00	1
5.50	1
6.00	1
6.50	1
7.00	1
7.50	1
8.00	1
8.50	1
9.00	1
9.50	1
10.00	1
10.50	1
11.00	1

FREQUENCY

0 5 10 15 20 25 30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

423  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	224.320	GRAMS
CLAY AND SILT WEIGHT	24.530	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	74.220	GRAMS
DETRITUS GREATER THAN 2 MM.	125.57	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.680  
MODE (PHI) 1.228

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.900	3.243	0.514	1.421

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.510	3.462	0.529 0.721	0.442

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.756	3.075	0.520	-0.077

## COMPOSITE SIZE ANALYSIS 423

GRAVEL WT. 0.0 SAND WT. 74.22 SILT WT. 13.97 CLAY WT. 10.56

GRAVEL PCT 0.0 SAND PCT 75.16 SILT PCT 14.14 CLAY PCT 10.70

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 3.03 SILT-CLAY RATIO 1.32

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	13.360	13.360	13.530	13.530
0.0	2.230	15.590	2.250	15.780
0.500	2.230	17.810	2.260	18.040
1.000	4.820	22.640	4.880	22.920
1.500	20.040	42.680	20.300	43.220
2.000	18.550	61.230	18.790	62.010
2.500	7.790	69.020	7.890	69.900
3.000	2.230	71.250	2.250	72.150
3.500	1.860	73.110	1.880	74.030
4.000	1.110	74.220	1.130	75.160
4.500	0.810	75.030	0.810	75.970
5.000	0.910	75.930	0.920	76.890
5.500	1.240	77.170	1.260	78.150
6.000	1.220	78.390	1.230	79.380
6.500	2.050	80.440	2.080	81.460
7.000	2.650	83.100	2.690	84.150
7.500	2.420	85.510	2.450	86.600
8.000	2.670	88.190	2.700	89.300
8.500	2.660	90.850	2.700	92.000
9.000	2.250	93.100	2.280	94.280
9.500	2.140	95.240	2.170	96.450
10.000	1.740	96.980	1.760	98.210
10.500	1.080	98.060	1.090	99.300
11.000	0.690	98.750	0.700	100.000

ONE PERCENTILE -0.963

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.815
16	0.049
25	1.051
50	1.680
75	3.929
84	6.972
95	9.166

PHI

423  
SAMPLE NUMBER

-1.00  
-0.50  
0.00  
0.50  
1.00  
1.50  
2.00  
2.50  
3.00  
3.50  
4.00  
4.50  
5.00  
5.50  
6.00  
6.50  
7.00  
7.50  
8.00  
8.50  
9.00  
9.50  
10.00  
10.50  
11.00

FREQUENCY

0 5 10 15 20 25 30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

424  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	173.480	GRAMS
CLAY AND SILT WEIGHT	0.950	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	152.810	GRAMS
DETRITUS GREATER THAN 2 MM.	19.72	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.764  
MODE (PHI) 1.626

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.772	0.458	0.019	1.032

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.776	0.480	0.025 0.019	0.496

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.764	0.688	0.835	27.091

## COMPOSITE SIZE ANALYSIS 424

GRAVEL WT.	0.0	SAND WT.	152.81	SILT WT.	0.77	CLAY WT.	0.18
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GRAVEL PCT	0.0	SAND PCT	99.38	SILT PCT	0.50	CLAY PCT	0.12
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	160.87	SILT-CLAY RATIO	4.26
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	3.820	3.820	2.480	2.480
0.0	0.0	3.820	0.0	2.480
0.500	0.0	3.820	0.0	2.480
1.000	0.0	3.820	0.0	2.480
1.500	35.150	38.970	22.860	25.340
2.000	71.820	110.790	46.710	72.050
2.500	35.910	146.700	23.360	95.410
3.000	4.580	151.280	2.980	98.390
3.500	1.530	152.810	0.990	99.380
4.000	0.0	152.810	0.0	99.380
4.500	0.080	152.880	0.050	99.430
5.000	0.120	153.010	0.080	99.510
5.500	0.150	153.160	0.100	99.610
6.000	0.140	153.300	0.090	99.700
6.500	0.100	153.400	0.060	99.760
7.000	0.080	153.480	0.060	99.820
7.500	0.050	153.530	0.030	99.850
8.000	0.050	153.580	0.030	99.880
8.500	0.040	153.620	0.030	99.910
9.000	0.030	153.660	0.020	99.930
9.500	0.030	153.690	0.030	99.960
10.000	0.030	153.720	0.020	99.980
10.500	0.020	153.740	0.010	99.990
11.000	0.020	153.760	0.010	100.000

ONE PERCENTILE -0.798

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.055
16	1.296
25	1.493
50	1.764
75	2.063
84	2.256
95	2.491

PHI

424  
SAMPLE NUMBER

-1.00 •

-0.50 •

0.0 •

0.50 •

1.00 •

1.50 •

2.00 •

2.50 •

3.00 •

3.50 •

4.00 •

4.50 •

5.00 •

5.50 •

6.00 •

6.50 •

7.00 •

7.50 •

8.00 •

8.50 •

9.00 •

9.50 •

10.00 •

10.50 •

11.00 •

0

10

20

30

40

50

60

70

80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

425  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	365.660	GRAMS
CLAY AND SILT WEIGHT	174.550	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	43.670	GRAMS
DETRITUS GREATER THAN 2 MM.	127.44	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 5.384  
MODE (PHI) 1.652

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.087	2.743	-0.051	0.736

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.939	3.024	-0.147 0.061	0.343

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.257	2.570	0.014	-0.815

## COMPOSITE SIZE ANALYSIS 425

GRAVEL WT.	0.0	SAND WT.	63.67	SILT WT.	137.19	CLAY WT.	37.36
GRAVEL PCT	0.0	SAND PCT	26.73	SILT PCT	57.59	CLAY PCT	15.68
CARBONATE WT	0.0	CARBONATE PCT	0.0				
SAND-MUD RATIO	0.37	SILT-CLAY RATIO	3.67				

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.640	0.640	0.270	0.270
0.0	0.0	0.640	0.0	0.270
0.500	0.960	1.590	0.400	0.670
1.000	0.320	1.910	0.130	0.800
1.500	9.550	11.460	4.010	4.810
2.000	32.150	43.610	13.500	18.310
2.500	17.510	61.120	7.350	25.660
3.000	1.910	63.030	0.800	26.460
3.500	0.640	63.670	0.270	26.730
4.000	0.0	63.670	0.0	26.730
4.500	17.160	80.830	7.200	33.930
5.000	19.310	100.140	8.110	42.040
5.500	24.700	124.840	10.370	52.410
6.000	21.320	146.160	8.950	61.360
6.500	18.410	164.570	7.720	69.080
7.000	14.710	179.280	6.180	75.260
7.500	11.220	190.500	4.710	79.970
8.000	10.360	200.860	4.350	84.320
8.500	9.310	210.180	3.910	88.230
9.000	7.350	217.520	3.080	91.310
9.500	7.150	224.680	3.000	94.310
10.000	6.220	230.900	2.620	96.930
10.500	4.300	235.200	1.800	98.730
11.000	3.020	238.220	1.270	100.000

ONE PERCENTILE 1.025

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.507
16	1.914
25	2.455
50	5.384
75	6.979
84	7.963
95	9.632

PHI

425  
SAMPLE NUMBER

-1.00  
-0.50  
0.0  
0.50  
1.00  
1.50  
2.00  
2.50  
3.00  
3.50  
4.00  
4.50  
5.00  
5.50  
6.00  
6.50  
7.00  
7.50  
8.00  
8.50  
9.00  
9.50  
10.00  
10.50  
11.00

FREQUENCY

0 5 10 15 20 25 30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

426  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	220.330	GRAMS
CLAY AND SILT WEIGHT	7.080	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	98.810	GRAMS
DETRITUS GREATER THAN 2 MM.	114.44	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.165  
MODE (PHI) 1.133

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.082	1.593	0.070	1.138

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.040	1.612	-0.077 0.351	0.611

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.281	1.702	0.723	3.938

## COMPOSITE SIZE ANALYSIS 426

GRAVEL WT.	0.0	SAND WT.	98.81	SILT WT.	6.19	CLAY WT.	0.89
GRAVEL PCT	0.0	SAND PCT	93.31	SILT PCT	5.85	CLAY PCT	0.84
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	13.96			SILT-CLAY RATIO	6.99		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	19.760	19.760	18.660	18.660
0.0	5.930	25.690	5.600	24.260
0.500	6.920	32.610	6.530	30.790
1.000	13.340	45.950	12.600	43.390
1.500	21.240	67.190	20.060	63.450
2.000	14.330	81.520	13.530	76.980
2.500	5.930	87.450	5.600	82.580
3.000	4.940	92.390	4.670	87.250
3.500	3.460	95.850	3.260	90.510
4.000	2.960	98.810	2.800	93.310
4.500	2.740	101.550	2.590	95.900
5.000	1.200	102.750	1.130	97.030
5.500	0.720	103.470	0.680	97.710
6.000	0.510	103.980	0.480	98.190
6.500	0.320	104.300	0.310	98.500
7.000	0.270	104.570	0.250	98.750
7.500	0.220	104.790	0.210	98.960
8.000	0.220	105.000	0.200	99.160
8.500	0.210	105.210	0.200	99.360
9.000	0.180	105.390	0.170	99.530
9.500	0.170	105.570	0.170	99.700
10.000	0.150	105.720	0.140	99.840
10.500	0.100	105.820	0.100	99.940
11.000	0.070	105.890	0.060	100.000

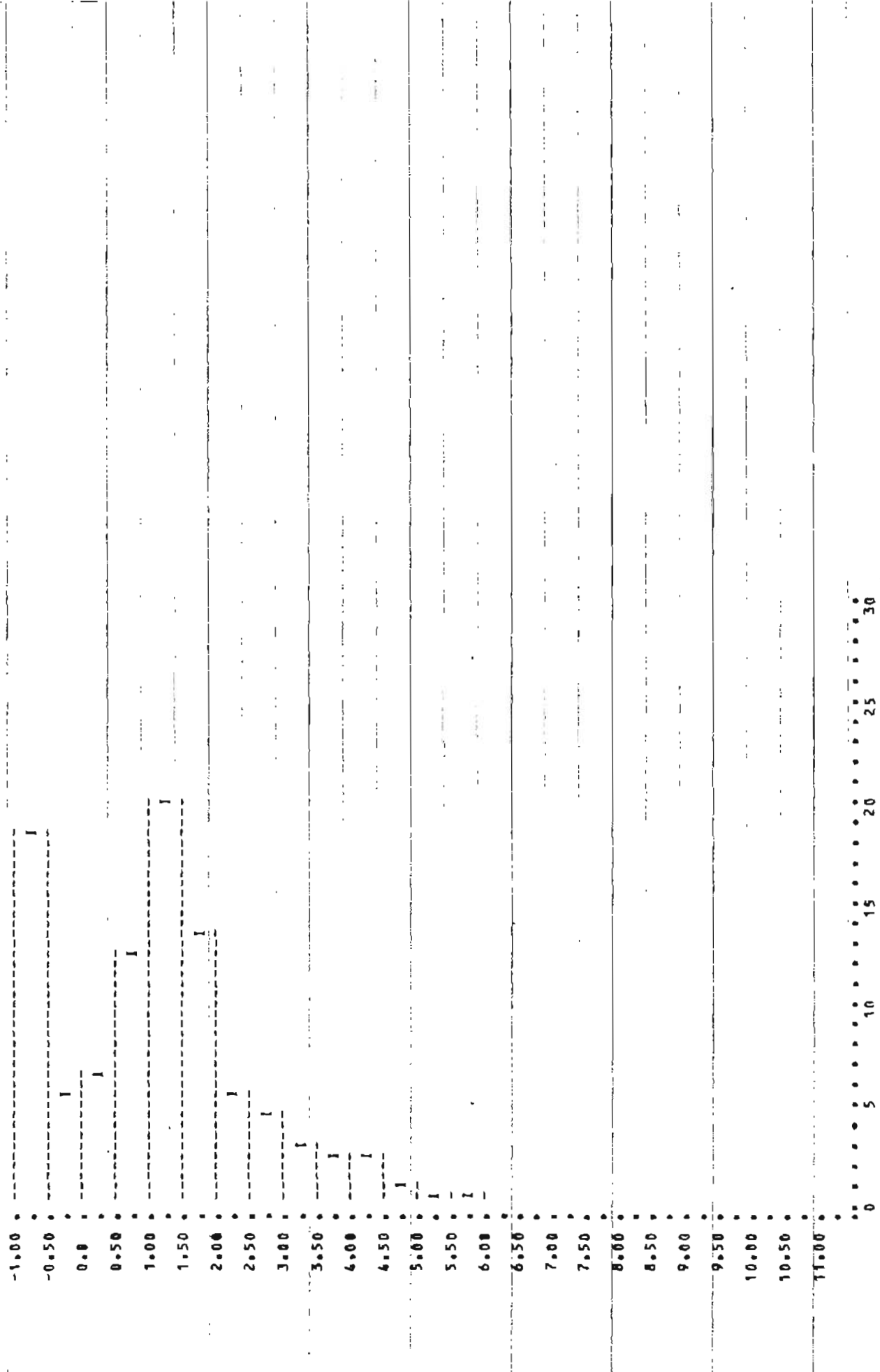
ONE PERCENTILE -0.973

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.866
16	-0.571
25	0.057
50	1.165
75	1.927
84	2.652
95	4.326

PHI

426  
SAMPLE NUMBER



FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by slaves, RSA, and Coulter Counter

427  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	199.350	GRAMS
CLAY AND SILT WEIGHT	3.030	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	99.390	GRAMS
DETRITUS GREATER THAN 2 MM.	96.93	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.854  
MODE (PHI) 1.674

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.842	0.770	-0.080	1.721

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.836	0.586	-0.030	1.684
		-0.346	

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.873	1.061	0.864	13.549

# COMPOSITE SIZE ANALYSIS 427

GRAVEL WT.	0.0	SAND WT.	99.39	SILT WT.	2.58	CLAY WT.	0.45
GRAVEL PCT	0.0	SAND PCT	97.04	SILT PCT	2.52	CLAY PCT	0.44
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	32.80			SILT-CLAY RATIO	5.76		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	4.970	4.970	4.850	4.850
0.0	0.0	4.970	0.0	4.850
0.500	0.990	5.960	0.970	5.820
1.000	1.990	7.950	1.940	7.760
1.500	16.900	24.850	16.500	24.260
2.000	37.270	62.120	36.390	60.650
2.500	28.330	90.440	27.660	88.310
3.000	5.960	96.410	5.820	94.130
3.500	1.990	98.400	1.940	96.070
4.000	0.990	99.390	0.970	97.040
4.500	1.120	100.510	1.100	98.140
5.000	0.520	101.030	0.500	98.640
5.500	0.300	101.330	0.300	98.940
6.000	0.210	101.540	0.200	99.140
6.500	0.130	101.670	0.130	99.270
7.000	0.110	101.780	0.110	99.380
7.500	0.090	101.870	0.080	99.460
8.000	0.100	101.970	0.100	99.560
8.500	0.100	102.070	0.100	99.660
9.000	0.090	102.160	0.090	99.750
9.500	0.090	102.250	0.090	99.840
10.000	0.080	102.330	0.070	99.910
10.500	0.050	102.380	0.060	99.970
11.000	0.040	102.420	0.030	100.000

ONE PERCENTILE -0.897

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	0.077
16	1.250
25	1.510
50	1.854
75	2.259
84	2.422
95	3.224

PHI

427  
SAMPLE NUMBER

-1.00  
-0.50  
0.0  
0.50  
1.00  
1.50  
2.00  
2.50  
3.00  
3.50  
4.00  
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8.50  
9.00  
9.50  
10.00  
10.50  
11.00

0 10 20 30 40 50 60 70 80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

428  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	235.840	GRAMS
CLAY AND SILT WEIGHT	5.920	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	40.410	GRAMS
DETRITUS GREATER THAN 2 MM.	189.51	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.406  
MODE (PHI) 1.700

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.643	1.172	0.459	1.193

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.762	1.053	0.337 1.172	1.021

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.841	1.546	1.177	6.934

## COMPOSITE SIZE ANALYSIS 428

GRAVEL WT.	0.0	SAND WT.	40.41	SILT WT.	4.65	CLAY WT.	1.27
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GRAVEL PCT	0.0	SAND PCT	87.22	SILT PCT	10.04	CLAY PCT	2.74
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	6.83	SILT-CLAY RATIO	3.66
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.0	0.0	0.0	0.0	0.0
0.500	0.400	0.400	0.870	0.870
1.000	0.0	0.400	0.0	0.870
1.500	1.620	2.020	3.490	4.360
2.000	12.930	14.950	27.910	32.270
2.500	10.100	25.050	21.810	54.080
3.000	6.470	31.520	13.950	68.030
3.500	4.850	36.370	10.470	78.500
4.000	4.040	40.410	8.720	87.220
4.500	1.870	42.280	4.030	91.250
5.000	0.940	43.220	2.040	93.290
5.500	0.600	43.820	1.300	94.590
6.000	0.350	44.180	0.760	95.350
6.500	0.240	44.410	0.510	95.860
7.000	0.210	44.620	0.450	96.310
7.500	0.210	44.830	0.440	96.750
8.000	0.230	45.060	0.510	97.260
8.500	0.300	45.360	0.640	97.900
9.000	0.280	45.640	0.610	98.510
9.500	0.280	45.920	0.600	99.110
10.000	0.210	46.130	0.460	99.570
10.500	0.130	46.250	0.270	99.840
11.000	0.070	46.330	0.160	100.000

ONE PERCENTILE	1.019
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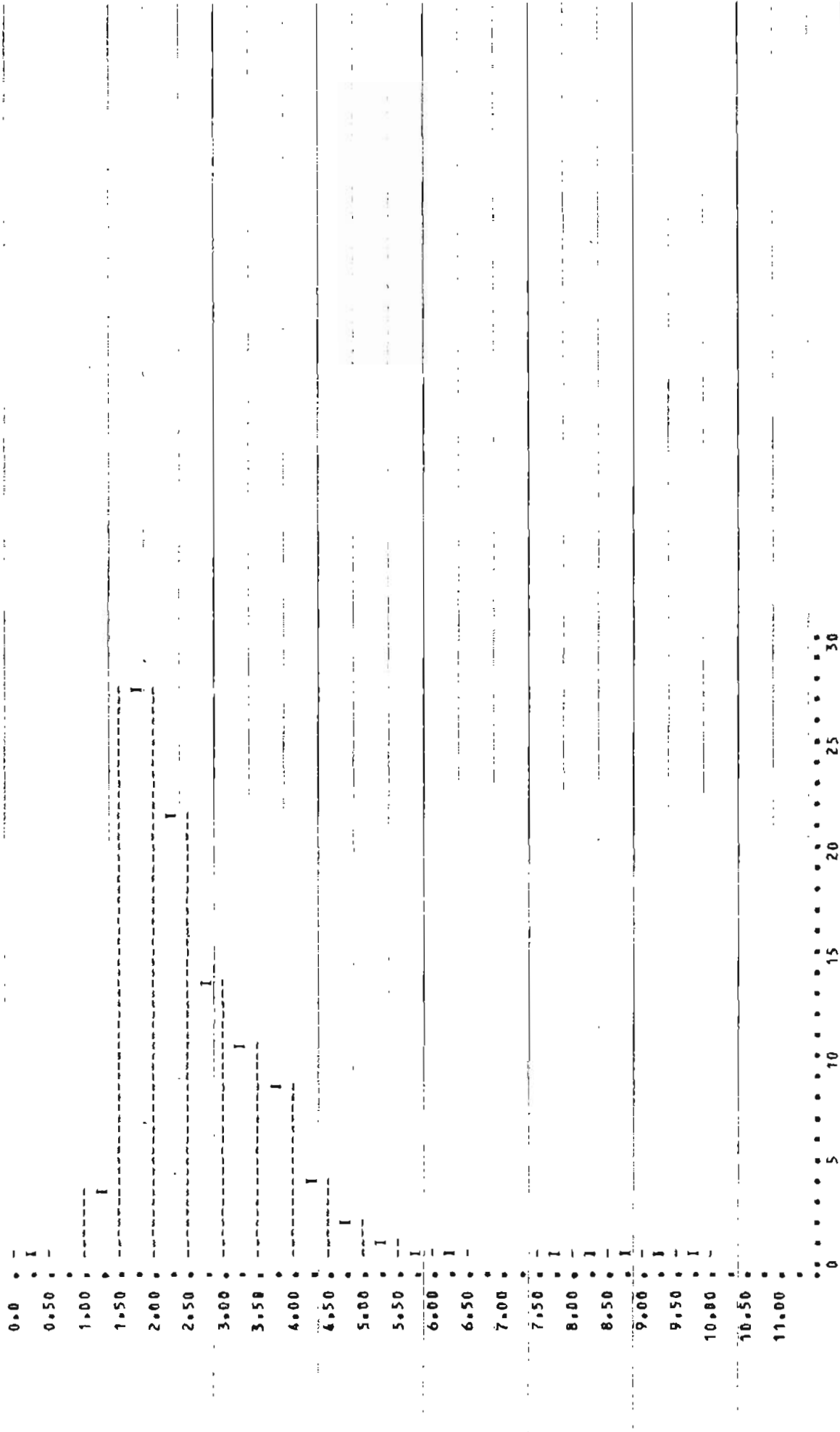
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND IMMAN PARAMETERS

5	1.511
16	1.709
25	1.870
50	2.406
75	3.333
84	3.815
95	5.770

## PH I

827

**SAMPLE NUMBER**



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

429  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	239.670	GRAMS
CLAY AND SILT WEIGHT	7.520	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	142.420	GRAMS
DETRITUS GREATER THAN 2 MM.	89.73	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 0.703  
MODE (PHI) 0.745

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.634	1.296	0.134	1.500

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.600	1.119	-0.092 0.784	1.172

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
0.938	1.668	1.319	9.623

# COMPOSITE SIZE ANALYSIS 429

GRAVEL WT.	0.0	SAND WT.	142.42	SILT WT.	5.28	CLAY WT.	2.24
GRAVEL PCT	0.0	SAND PCT	94.98	SILT PCT	3.52	CLAY PCT	1.49
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	18.94			SILT-CLAY RATIO	2.36		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	24.920	24.920	16.620	16.620
0.0	10.680	35.600	7.130	23.750
0.500	27.770	63.380	18.520	42.270
1.000	28.480	91.860	19.000	61.270
1.500	28.480	120.340	18.990	80.260
2.000	12.820	133.160	8.550	88.810
2.500	2.140	135.300	1.430	90.240
3.000	4.270	139.570	2.850	93.090
3.500	2.850	142.420	1.890	94.980
4.000	0.0	142.420	0.0	94.980
4.500	1.570	143.990	1.050	96.030
5.000	0.750	144.740	0.500	96.530
5.500	0.660	145.400	0.450	96.980
6.000	0.490	145.900	0.320	97.300
6.500	0.420	146.310	0.280	97.580
7.000	0.400	146.710	0.270	97.850
7.500	0.450	147.160	0.290	98.140
8.000	0.550	147.700	0.370	98.510
8.500	0.560	148.260	0.370	98.880
9.000	0.490	148.750	0.330	99.210
9.500	0.460	149.210	0.310	99.520
10.000	0.370	149.580	0.240	99.760
10.500	0.220	149.800	0.150	99.910
11.000	0.140	149.940	0.090	100.000

ONE PERCENTILE -0.970

PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.850
16	-0.519
25	0.034
50	0.703
75	1.362
84	1.719
95	4.010

PHT

429  
SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

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6.00

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7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 5 10 15 20 25 30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

430  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	174.940	GRAMS
CLAY AND SILT WEIGHT	1.350	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	168.530	GRAMS
DETRITUS GREATER THAN 2 MM.	5.06	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.446  
MODE (PHI) 1.185

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.491	0.393	0.246	0.916

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.513	0.396	0.169 0.524	0.624

VERBALIZATION OF FOLK PARAMETERS  
WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.539	0.594	3.216	69.784

## COMPOSITE SIZE ANALYSIS 430

GRAVEL WT.	0.0	SAND WT.	168.53	SILT WT.	1.06	CLAY WT.	0.29
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GRAVEL PCT	0.0	SAND PCT	99.21	SILT PCT	0.63	CLAY PCT	0.17
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CARBONATE WT	0.0	CARBONATE PCT	0.0
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SAND-MUD RATIO	124.85	SILT-CLAY RATIO	3.73
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PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.500	0.0	0.0	0.0	0.0
1.000	6.740	6.740	3.970	3.970
1.500	87.640	94.380	51.590	55.560
2.000	58.990	153.360	34.720	90.280
2.500	13.480	166.840	7.930	98.210
3.000	1.690	168.530	1.000	99.210
3.500	0.0	168.530	0.0	99.210
4.000	0.0	168.530	0.0	99.210
4.500	0.130	168.660	0.070	99.280
5.000	0.190	168.850	0.120	99.400
5.500	0.220	169.070	0.120	99.520
6.000	0.170	169.240	0.100	99.620
6.500	0.120	169.360	0.070	99.690
7.000	0.100	169.450	0.060	99.750
7.500	0.070	169.530	0.040	99.790
8.000	0.070	169.590	0.040	99.830
8.500	0.060	169.660	0.040	99.870
9.000	0.050	169.710	0.030	99.900
9.500	0.060	169.770	0.030	99.930
10.000	0.050	169.820	0.030	99.960
10.500	0.040	169.860	0.030	99.990
11.000	0.020	169.880	0.010	100.000

ONE PERCENTILE	0.626
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## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.010
16	1.117
25	1.204
50	1.446
75	1.780
84	1.910
95	2.298

PHI

439  
SAMPLE NUMBER

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

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7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

0

10

20

30

40

50

60

70

80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-1  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	248.540	GRAMS
CLAY AND SILT WEIGHT	3.870	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	32.110	GRAMS
DETRITUS GREATER THAN 2 MM.	212.56	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.271

MODE (PHI) -0.862

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.365	1.897	0.160	0.946

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.412	2.046	0.069 0.355	0.409

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED

FINE SKEWED

VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.490	1.952	0.590	2.134

# COMPOSITE SIZE ANALYSIS C-1

GRAVEL WT.	0.0	SAND WT.	32.11	SILT WT.	3.46	CLAY WT.	0.41
GRAVEL PCT	0.0	SAND PCT	89.24	SILT PCT	9.61	CLAY PCT	1.15
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	8.30			SILT-CLAY RATIO	8.36		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	7.870	7.870	21.860	21.860
0.0	1.440	9.310	4.020	25.880
0.500	1.770	11.080	4.910	30.790
1.000	3.690	14.770	10.260	41.050
1.500	5.940	20.710	16.510	57.560
2.000	4.660	25.370	12.940	70.500
2.500	2.090	27.450	5.800	76.300
3.000	1.440	28.900	4.020	80.320
3.500	1.440	30.340	4.020	84.340
4.000	1.770	32.110	4.900	89.240
4.500	1.580	33.690	4.390	93.630
5.000	0.650	34.340	1.800	95.430
5.500	0.400	34.730	1.100	96.530
6.000	0.280	35.010	0.780	97.310
6.500	0.180	35.190	0.500	97.810
7.000	0.150	35.340	0.410	98.220
7.500	0.120	35.460	0.330	98.550
8.000	0.110	35.570	0.300	98.850
8.500	0.100	35.670	0.290	99.140
9.000	0.080	35.750	0.230	99.370
9.500	0.080	35.830	0.220	99.590
10.000	0.070	35.900	0.190	99.780
10.500	0.050	35.950	0.140	99.920
11.000	0.030	35.980	0.080	100.000

ONE PERCENTILE -0.977

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.886
16	-0.634
25	-0.109
50	1.271
75	2.388
84	3.458
95	4.881

SAMPLE NUMBER

-1.00

-0.50

0.0

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11.00

FREQUENCY

0  
5  
10  
15  
20  
25  
30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-4  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	15.250	GRAMS
CLAY AND SILT WEIGHT	3.900	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	8.410	GRAMS
DETRITUS GREATER THAN 2 MM.	2.94	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.755  
MODE (PHI) 2.144

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.675	2.373	0.564	1.139

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.135	2.321	0.595 0.919	0.725

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.666	2.436	0.510	0.318

# COMPOSITE SIZE ANALYSIS C-4

GRAVEL WT.	0.0	SAND WT.	8.41	SILT WT.	2.86	CLAY WT.	1.04
GRAVEL PCT	0.0	SAND PCT	68.32	SILT PCT	23.23	CLAY PCT	8.45
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	2.16			SILT-CLAY RATIO	2.75		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.170	0.170	1.370	1.370
0.0	0.080	0.250	0.680	2.050
0.500	0.170	0.420	1.370	3.420
1.000	0.250	0.670	2.050	5.470
1.500	0.500	1.180	4.090	9.560
2.000	1.260	2.440	10.250	19.810
2.500	2.860	5.300	23.230	43.040
3.000	1.680	6.980	13.660	56.700
3.500	0.930	7.910	7.520	64.220
4.000	0.500	8.410	4.100	68.320
4.500	0.450	8.860	3.630	71.950
5.000	0.380	9.240	3.100	75.050
5.500	0.400	9.640	3.280	78.330
6.000	0.370	10.010	3.010	81.340
6.500	0.360	10.370	2.920	84.260
7.000	0.330	10.700	2.660	86.920
7.500	0.300	10.990	2.390	89.310
8.000	0.270	11.270	2.240	91.550
8.500	0.260	11.530	2.080	93.630
9.000	0.220	11.740	1.750	95.380
9.500	0.210	11.950	1.700	97.080
10.000	0.180	12.130	1.460	98.540
10.500	0.120	12.250	0.950	99.490
11.000	0.060	12.310	0.510	100.000

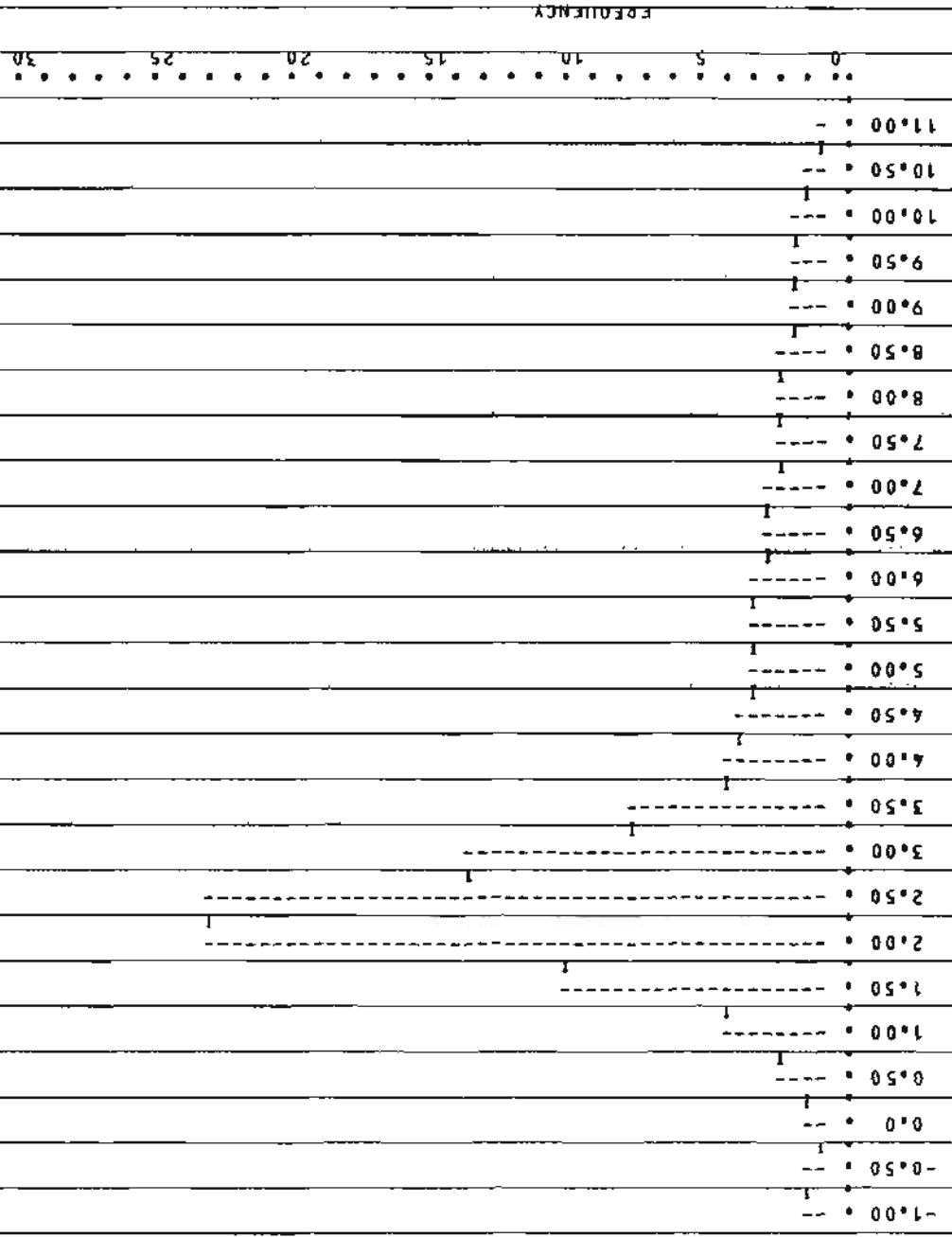
ONE PERCENTILE -0.635

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	0.895
16	1.814
25	2.112
50	2.755
75	4.992
84	6.455
95	8.891

PHI

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-5  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	12.640	GRAMS
CLAY AND SILT WEIGHT	0.520	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	11.960	GRAMS
DETRITUS GREATER THAN 2 MM.	0.16	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.304

MODE (PHI) 2.135

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.331	0.600	0.215	1.523

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.345	0.502	0.081	1.290
		0.799	

VERBALIZATION OF FOLK PARAMETERS

MODERATELY WELL SORTED

FINE SKEWED

VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.436	1.025	1.566	18.872

## COMPOSITE SIZE ANALYSIS C-5

GRAVEL WT.	0.0	SAND WT.	11.96	SILT WT.	0.42	CLAY WT.	0.10
GRAVEL PCT	0.0	SAND PCT	95.83	SILT PCT	3.39	CLAY PCT	0.77
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	23.00	SILT-CLAY RATIO		4.39			

PHI	GRADE WT.	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.120	0.120	0.960	0.960
0.0	0.0	0.120	0.0	0.960
0.500	0.120	0.240	0.960	1.920
1.000	0.0	0.240	0.0	1.920
1.500	0.120	0.360	0.960	2.880
2.000	2.390	2.750	19.160	22.040
2.500	5.740	8.490	46.000	68.040
3.000	2.870	11.360	23.000	91.040
3.500	0.240	11.600	1.920	92.960
4.000	0.360	11.960	2.870	95.830
4.500	0.100	12.060	0.840	96.670
5.000	0.080	12.150	0.650	97.320
5.500	0.070	12.210	0.540	97.860
6.000	0.050	12.260	0.410	98.270
6.500	0.040	12.300	0.300	98.570
7.000	0.030	12.330	0.250	98.820
7.500	0.030	12.360	0.200	99.020
8.000	0.030	12.380	0.210	99.230
8.500	0.020	12.410	0.190	99.420
9.000	0.020	12.430	0.160	99.580
9.500	0.020	12.450	0.150	99.730
10.000	0.020	12.460	0.130	99.860
10.500	0.010	12.470	0.090	99.950
11.000	0.010	12.480	0.050	100.000

ONE PERCENTILE 0.021

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.555
16	1.842
25	2.032
50	2.304
75	2.651
84	2.847
95	3.855

PH1

C-5  
SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

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8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0  
10  
20  
30  
40  
50  
60  
70  
80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-10  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	15.540	GRAMS
CLAY AND SILT WEIGHT	9.240	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	6.210	GRAMS
DETRITUS GREATER THAN 2 MM.	0.09	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 4.570  
MODE (PHI) 2.667

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.942	2.229	0.292	0.930

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.129	2.291	0.244 0.531	0.561

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.011	2.226	0.272	-0.245

# COMPOSITE SIZE ANALYSIS C-10

GRAVEL WT.	0.0	SAND WT.	6.21	SILT WT.	7.35	CLAY WT.	1.89
GRAVEL PCT	0.0	SAND PCT	40.19	SILT PCT	47.59	CLAY PCT	12.22
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	0.67			SILT-CLAY RATIO	3.89		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.060	0.060	0.400	0.400
0.0	0.030	0.090	0.200	0.600
0.500	0.030	0.120	0.200	0.800
1.000	0.060	0.190	0.410	1.210
1.500	0.090	0.280	0.600	1.810
2.000	0.220	0.500	1.410	3.220
2.500	0.650	1.150	4.220	7.440
3.000	1.960	3.100	12.660	20.100
3.500	1.300	4.410	8.440	28.540
4.000	1.800	6.210	11.650	40.190
4.500	1.360	7.570	8.810	49.000
5.000	1.110	8.680	7.160	56.160
5.500	1.090	9.770	7.080	63.240
6.000	1.000	10.770	6.450	69.690
6.500	0.930	11.700	6.020	75.710
7.000	0.780	12.480	5.060	80.770
7.500	0.600	13.070	3.850	84.620
8.000	0.490	13.560	3.160	87.780
8.500	0.470	14.030	3.030	90.810
9.000	0.380	14.410	2.450	93.260
9.500	0.370	14.780	2.400	95.660
10.000	0.320	15.100	2.080	97.740
10.500	0.210	15.310	1.380	99.120
11.000	0.140	15.450	0.880	100.000

ONE PERCENTILE 0.744

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.211
16	2.838
25	3.290
50	4.520
75	6.441
84	7.419
95	9.362

PHI

C-10  
SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0  
5  
10  
15  
20  
25  
30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-11  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	19.100	GRAMS
CLAY AND SILT WEIGHT	10.570	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	8.320	GRAMS
DETRITUS GREATER THAN 2 MM.	0.21	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 4.356  
MODE (PHI) 2.523

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.795	2.332	0.325	0.857

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.015	2.458	0.268 0.567	0.482

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.869	2.301	0.322	-0.405

## COMPOSITE SIZE ANALYSIS C-11

GRAVEL WT. 0.0 SAND WT. 8.32 SILT WT. 8.21 CLAY WT. 2.36

GRAVEL PCT 0.0 SAND PCT 44.04 SILT PCT 43.44 CLAY PCT 12.52

CARBONATE WT 0.0 CARBONATE PCT 0.0

SAND-MUD RATIO 0.79 SILT-CLAY RATIO 3.47

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.040	0.040	0.220	0.220
0.0	0.040	0.080	0.220	0.440
0.500	0.0	0.080	0.0	0.440
1.000	0.0	0.080	0.0	0.440
1.500	0.080	0.170	0.440	0.880
2.000	0.290	0.460	1.540	2.420
2.500	2.290	2.750	12.110	14.530
3.000	2.410	5.160	12.780	27.310
3.500	1.160	6.320	6.160	33.470
4.000	2.000	8.320	10.570	44.040
4.500	1.580	9.900	8.370	52.410
5.000	1.250	11.150	6.620	59.030
5.500	1.200	12.350	6.350	65.380
6.000	1.060	13.410	5.600	70.980
6.500	0.970	14.380	5.130	76.110
7.000	0.840	15.210	4.430	80.540
7.500	0.690	15.900	3.660	84.200
8.000	0.620	16.530	3.280	87.480
8.500	0.560	17.090	2.980	90.460
9.000	0.480	17.570	2.570	93.030
9.500	0.480	18.050	2.520	95.550
10.000	0.410	18.460	2.150	97.700
10.500	0.270	18.720	1.410	99.110
11.000	0.170	18.890	0.890	100.000

ONE PERCENTILE 1.539

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.107
16	2.558
25	2.910
50	4.356
75	6.392
84	7.473
95	9.391

PHI

C-11

SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

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8.50

9.00

9.50

10.00

10.50

11.00

8  
5  
10  
15  
20  
25  
30

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-12  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	12.710	GRAMS
CLAY AND SILT WEIGHT	6.970	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	5.730	GRAMS
DETRITUS GREATER THAN 2 MM.	0.01	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 4.290  
MODE (PHI) 3.158

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.796	2.239	0.361	0.948

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.049	2.299	0.330 0.614	0.564

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.858	2.206	0.376	-0.282

# COMPOSITE SIZE ANALYSIS C-12

GRAVEL WT.	0.0	SAND WT.	5.73	SILT WT.	5.49	CLAY WT.	1.48
GRAVEL PCT	0.0	SAND PCT	45.12	SILT PCT	43.23	CLAY PCT	11.66
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.82	SILT-CLAY RATIO		3.71			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.500	0.0	0.0	0.0	0.0
1.000	0.030	0.030	0.230	0.230
1.500	0.030	0.060	0.220	0.450
2.000	0.340	0.400	2.710	3.160
2.500	1.090	1.490	8.570	11.730
3.000	1.090	2.580	8.570	20.300
3.500	1.780	4.350	13.990	34.290
4.000	1.380	5.730	10.830	45.120
4.500	1.070	6.800	8.410	53.530
5.000	0.870	7.670	6.870	60.400
5.500	0.820	8.490	6.460	66.860
6.000	0.690	9.190	5.470	72.330
6.500	0.610	9.800	4.840	77.170
7.000	0.550	10.350	4.310	81.480
7.500	0.460	10.810	3.620	85.100
8.000	0.410	11.220	3.240	88.340
8.500	0.370	11.580	2.880	91.220
9.000	0.310	11.890	2.400	93.620
9.500	0.290	12.180	2.310	95.930
10.000	0.250	12.440	1.990	97.920
10.500	0.160	12.600	1.270	99.190
11.000	0.100	12.700	0.810	100.000

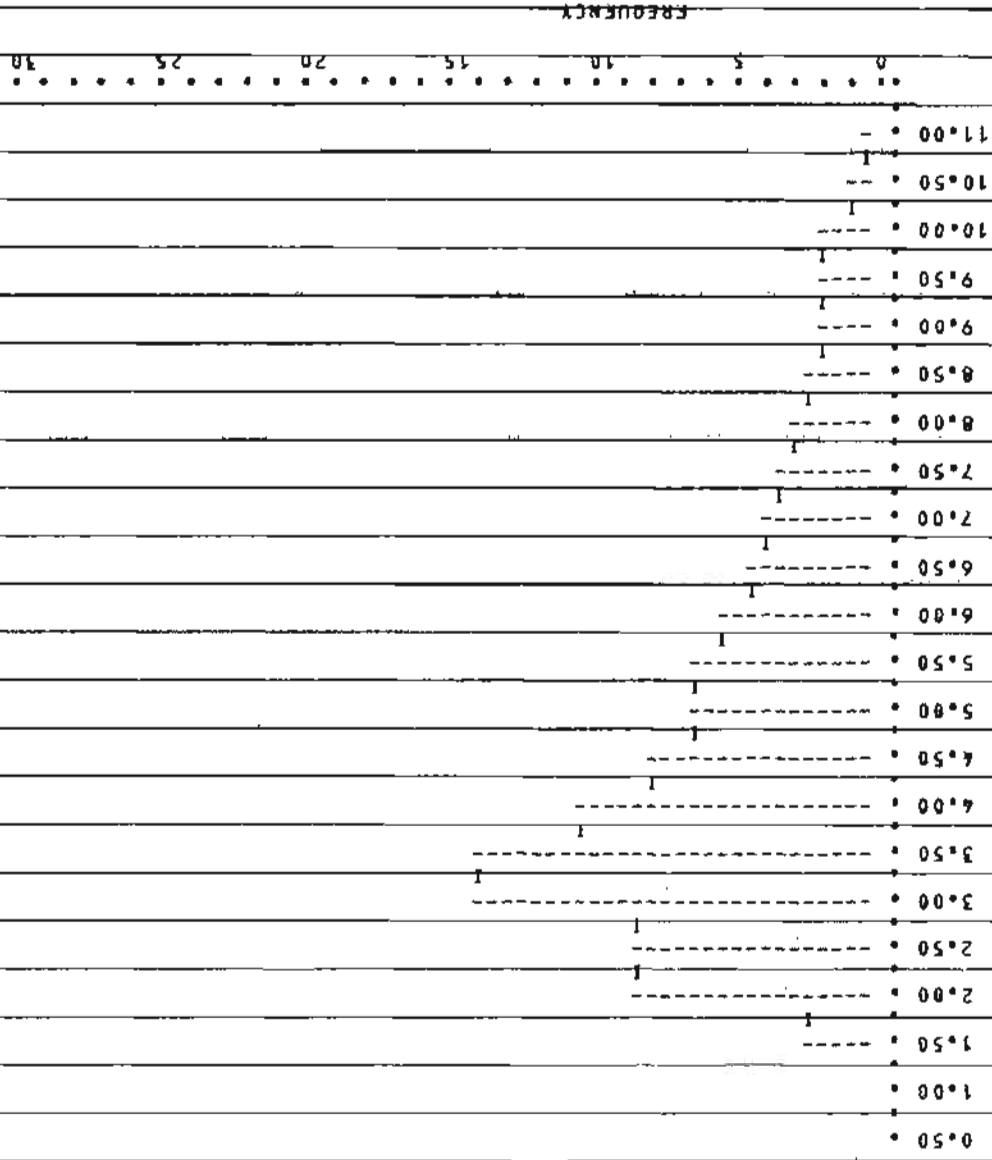
ONE PERCENTILE 1.601

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.107
16	2.749
25	3.168
50	4.290
75	6.276
84	7.348
95	9.299

PHJ

C-12  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-13  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	268.810	GRAMS
CLAY AND SILT WEIGHT	42.880	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	110.590	GRAMS
DETRITUS GREATER THAN 2 MM.	115.34	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.510  
MODE (PHI) 2.132

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.497	2.705	0.490	1.370

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.990	2.580	0.574 0.735	0.811

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.383	2.652	0.498	0.275

## COMPOSITE SIZE ANALYSIS C-13

GRAVEL WT.	0.0	SAND WT.	110.59	SILT WT.	28.57	CLAY WT.	14.31
GRAVEL PCT	0.0	SAND PCT	72.06	SILT PCT	18.62	CLAY PCT	9.33
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	2.58			SILT-CLAY RATIO	2.00		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	6.640	6.640	4.320	4.320
0.0	2.210	8.850	1.440	5.760
0.500	3.320	12.160	2.170	7.930
1.000	3.320	15.480	2.160	10.090
1.500	11.060	26.540	7.200	17.290
2.000	19.910	46.450	12.980	30.270
2.500	29.860	76.310	19.450	49.720
3.000	21.010	97.320	13.690	63.410
3.500	9.950	107.270	6.490	69.900
4.000	3.320	110.590	2.160	72.060
4.500	3.860	114.450	2.510	74.570
5.000	3.590	118.040	2.340	76.910
5.500	3.790	121.820	2.470	79.380
6.000	3.250	125.070	2.110	81.490
6.500	3.350	128.420	2.190	83.680
7.000	3.510	131.940	2.290	85.970
7.500	3.610	135.540	2.350	88.320
8.000	3.610	139.160	2.350	90.670
8.500	3.360	142.520	2.200	92.870
9.000	2.840	145.360	1.840	94.710
9.500	2.860	148.220	1.870	96.580
10.000	2.500	150.720	1.630	98.210
10.500	1.620	152.350	1.060	99.270
11.000	1.120	153.470	0.730	100.000

ONE PERCENTILE -0.884

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.264
16	1.410
25	1.797
50	2.510
75	4.592
84	6.570
95	9.078

SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

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4.00

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15  
20  
25  
30

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-14  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	15.680	GRAMS
CLAY AND SILT WEIGHT	0.180	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	13.290	GRAMS
DETRITUS GREATER THAN 2 MM.	2.21	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.442

MODE (PHI) 1.235

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.408	0.756	-0.195	1.876

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.391	0.540	-0.094	1.974
		-0.881	

VERBALIZATION OF FOLK PARAMETERS

MODERATELY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.399	1.055	1.034	16.351

# COMPOSITE SIZE ANALYSIS C-14

GRAVEL WT.	0.0	SAND WT.	13.29	SILT WT.	0.12	CLAY WT.	0.06
GRAVEL PCT	0.0	SAND PCT	98.66	SILT PCT	0.92	CLAY PCT	0.41
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	73.84	SILT-CLAY RATIO		2.23			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.930	0.930	6.910	6.910
0.0	0.400	1.330	2.960	9.870
0.500	0.270	1.590	1.970	11.840
1.000	0.800	2.390	5.920	17.760
1.500	4.920	7.310	36.510	54.270
2.000	4.650	11.960	34.530	88.800
2.500	0.800	12.760	5.920	94.720
3.000	0.270	13.020	1.970	96.690
3.500	0.130	13.160	0.990	97.680
4.000	0.130	13.290	0.980	98.660
4.500	0.020	13.310	0.160	98.820
5.000	0.020	13.330	0.130	98.950
5.500	0.020	13.350	0.150	99.100
6.000	0.020	13.370	0.130	99.230
6.500	0.010	13.380	0.110	99.340
7.000	0.010	13.390	0.090	99.430
7.500	0.010	13.400	0.080	99.510
8.000	0.010	13.410	0.080	99.590
8.500	0.010	13.430	0.080	99.670
9.000	0.010	13.440	0.070	99.740
9.500	0.010	13.450	0.090	99.830
10.000	0.010	13.460	0.080	99.910
10.500	0.010	13.470	0.060	99.970
11.000	0.0	13.470	0.030	100.000

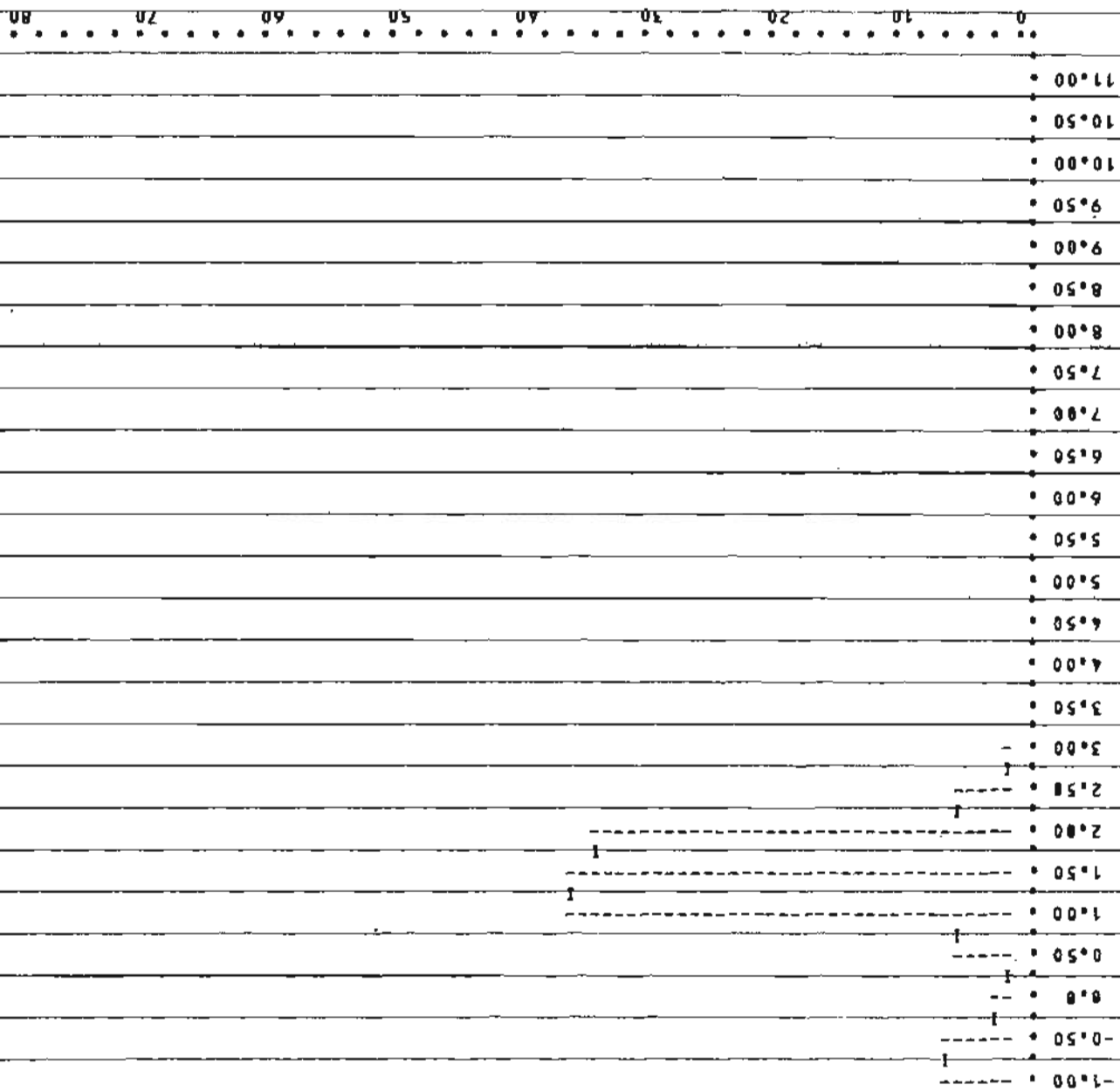
ONE PERCENTILE -0.928

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.638
16	0.851
25	1.099
50	1.442
75	1.800
84	1.930
95	2.571

PHI

C-14  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-15  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	14.530	GRAMS
CLAY AND SILT WEIGHT	0.080	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	14.450	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.112  
MODE (PHI) 2.048

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.093	0.405	0.044	0.958

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.084	0.399	-0.069 0.267	0.701

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.146	0.507	2.102	44.790

# COMPOSITE SIZE ANALYSIS C-15

GRAVEL WT.	0.0	SAND WT.	14.45	SILT WT.	0.07	CLAY WT.	0.01
GRAVEL PCT	0.0	SAND PCT	99.45	SILT PCT	0.48	CLAY PCT	0.07
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO 180.65				SILT-CLAY RATIO		6.56	

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.290	0.290	1.990	1.990
2.000	5.490	5.780	37.790	39.780
2.500	6.650	12.430	45.750	85.530
3.000	1.730	14.160	11.930	97.460
3.500	0.140	14.310	0.990	98.450
4.000	0.140	14.450	1.000	99.450
4.500	0.010	14.460	0.070	99.520
5.000	0.020	14.480	0.100	99.620
5.500	0.020	14.490	0.110	99.730
6.000	0.010	14.500	0.080	99.810
6.500	0.010	14.510	0.040	99.850
7.000	0.0	14.510	0.030	99.880
7.500	0.0	14.520	0.030	99.910
8.000	0.0	14.520	0.020	99.930
8.500	0.0	14.520	0.010	99.940
9.000	0.0	14.520	0.020	99.960
9.500	0.0	14.530	0.010	99.970
10.000	0.0	14.530	0.010	99.980
10.500	0.0	14.530	0.010	99.990
11.000	0.0	14.530	0.010	100.000

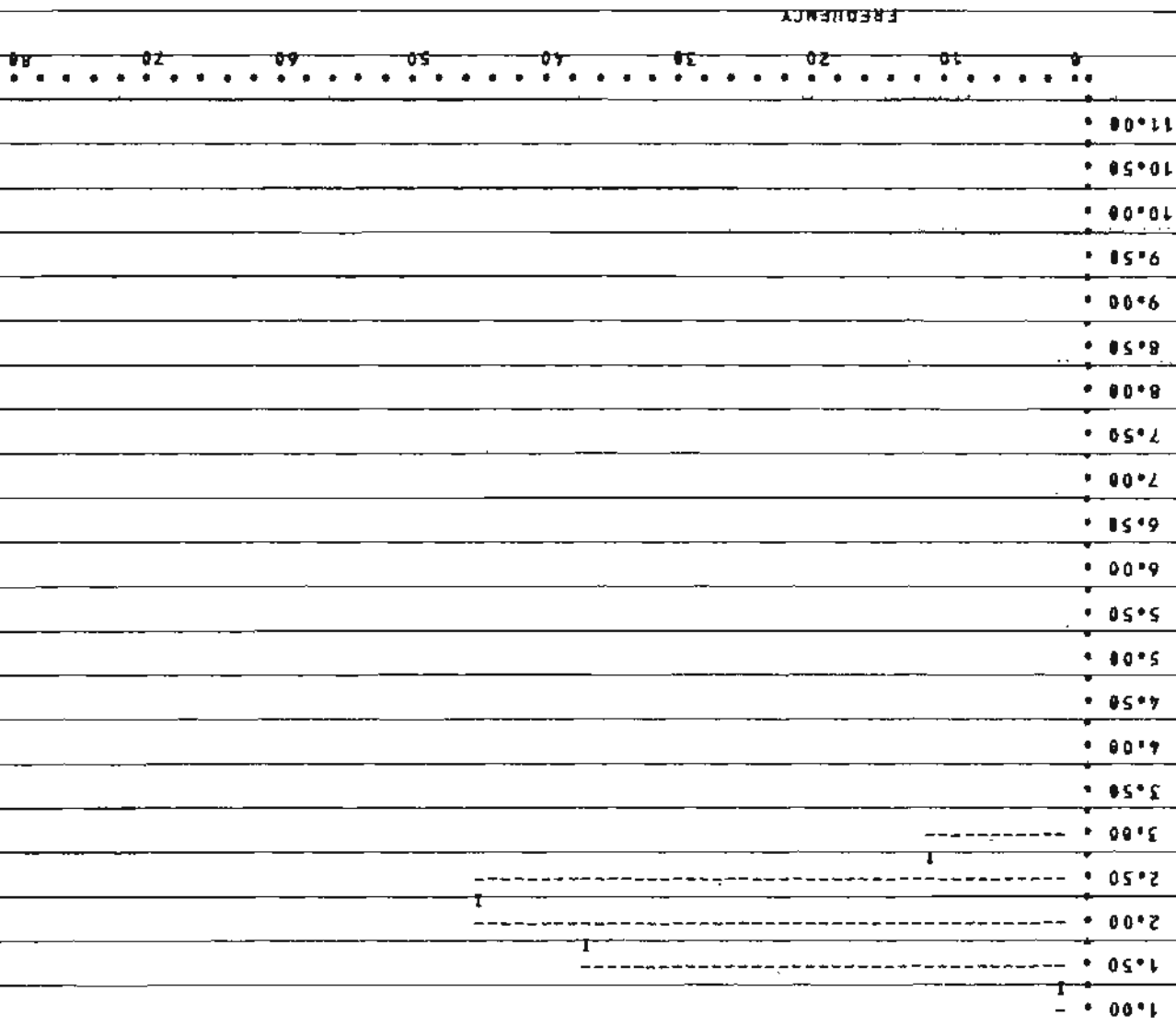
ONE PERCENTILE 1.251

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.540
16	1.685
25	1.804
50	2.112
75	2.385
84	2.483
95	2.897

PMI

C-15  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-16  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	14.140	GRAMS
CLAY AND SILT WEIGHT	0.190	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	11.340	GRAMS
DETRITUS GREATER THAN 2 MM.	2.61	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.606  
MODE (PHI) 1.571

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.601	0.744	-0.218	1.669

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.599	0.560	-0.012	1.736
		-1.161	

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.538	1.037	0.991	16.888

## COMPOSITE SIZE ANALYSIS C-16

GRAVEL WT.	0.0	SAND WT.	11.34	SILT WT.	0.14	CLAY WT.	0.05
GRAVEL PCT	0.0	SAND PCT	98.35	SILT PCT	1.25	CLAY PCT	0.40
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	59.69			SILT-CLAY RATIO	3.16		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.680	0.680	5.900	5.900
0.0	0.230	0.910	1.970	7.870
0.500	0.340	1.250	2.950	10.820
1.000	0.340	1.590	2.950	13.770
1.500	3.290	4.880	28.520	42.290
2.000	4.200	9.070	36.390	78.680
2.500	1.930	11.000	16.720	95.400
3.000	0.340	11.340	2.950	98.350
3.500	0.0	11.340	0.0	98.350
4.000	0.0	11.340	0.0	98.350
4.500	0.020	11.360	0.200	98.550
5.000	0.030	11.390	0.230	98.780
5.500	0.030	11.420	0.230	99.010
6.000	0.020	11.440	0.180	99.190
6.500	0.020	11.450	0.140	99.330
7.000	0.010	11.470	0.110	99.440
7.500	0.010	11.480	0.080	99.520
8.000	0.010	11.480	0.080	99.600
8.500	0.010	11.490	0.080	99.680
9.000	0.010	11.500	0.070	99.750
9.500	0.010	11.510	0.070	99.820
10.000	0.010	11.520	0.070	99.890
10.500	0.010	11.520	0.070	99.960
11.000	0.010	11.530	0.040	100.000

ONE PERCENTILE -0.915

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	-0.576
16	1.039
25	1.197
50	1.606
75	1.949
84	2.159
95	2.488

pH

C-16

SAMPLE NUMBER

-1.00 •

-0.50 •

0.0 •

0.50 •

1.00 •

1.50 •

2.00 •

2.50 •

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7.50 •

8.00 •

8.50 •

9.00 •

9.50 •

10.00 •

10.50 •

11.00 •

••••• 0 ••••• 10 ••••• 20 ••••• 30 ••••• 40 ••••• 50 ••••• 60 ••••• 70 ••••• 80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-18  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	15.800	GRAMS
CLAY AND SILT WEIGHT	0.100	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	15.700	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.259  
MODE (PHI) 2.127

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.259	0.295	0.015	1.430

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.259	0.231	0.0 0.076	1.565

VERBALIZATION OF FOLK PARAMETERS

VERY WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.284	0.430	3.367	90.703

# COMPOSITE SIZE ANALYSIS C-18

GRAVEL WT.	0.0	SAND WT.	15.70	SILT WT.	0.09	CLAY WT.	0.01
GRAVEL PCT	0.0	SAND PCT	99.37	SILT PCT	0.55	CLAY PCT	0.08
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO 157.01				SILT-CLAY RATIO		6.58	

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.160	0.160	0.990	0.990
2.000	1.730	1.880	10.930	11.920
2.500	11.620	13.500	73.540	85.460
3.000	2.040	15.540	12.910	98.370
3.500	0.160	15.700	1.000	99.370
4.000	0.0	15.700	0.0	99.370
4.500	0.010	15.710	0.070	99.440
5.000	0.020	15.730	0.110	99.550
5.500	0.020	15.750	0.120	99.670
6.000	0.010	15.760	0.090	99.760
6.500	0.010	15.770	0.060	99.820
7.000	0.010	15.780	0.040	99.860
7.500	0.0	15.780	0.030	99.890
8.000	0.0	15.790	0.030	99.920
8.500	0.0	15.790	0.020	99.940
9.000	0.0	15.790	0.010	99.950
9.500	0.0	15.800	0.020	99.970
10.000	0.0	15.800	0.010	99.980
10.500	0.0	15.800	0.010	99.990
11.000	0.0	15.800	0.010	100.000

ONE PERCENTILE 1.500

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.683
16	2.028
25	2.089
50	2.259
75	2.429
84	2.490
95	2.869

PHI

C-18  
SAMPLE NUMBER

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-19  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	12.870	GRAMS
CLAY AND SILT WEIGHT	0.150	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	12.720	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.327  
MODE (PHI) 2.161

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.431	0.315	0.261	0.844

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.459	0.341	0.241 0.391	0.395

VERBALIZATION OF FOLK PARAMETERS

VERY WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.468	0.491	3.403	71.951

# COMPOSITE SIZE ANALYSIS C-19

GRAVEL WT.	0.0	SAND WT.	12.72	SILT WT.	0.13	CLAY WT.	0.02
GRAVEL PCT	0.0	SAND PCT	98.83	SILT PCT	1.03	CLAY PCT	0.13
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	84.80			SILT-CLAY RATIO	7.89		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.060	0.060	0.490	0.490
2.500	8.460	8.520	65.730	66.220
3.000	3.820	12.340	29.650	95.870
3.500	0.380	12.720	2.960	98.830
4.000	0.0	12.720	0.0	98.830
4.500	0.020	12.740	0.130	98.960
5.000	0.030	12.760	0.220	99.180
5.500	0.030	12.790	0.230	99.410
6.000	0.020	12.820	0.170	99.580
6.500	0.010	12.830	0.110	99.690
7.000	0.010	12.840	0.090	99.780
7.500	0.010	12.850	0.050	99.830
8.000	0.010	12.850	0.040	99.870
8.500	0.0	12.860	0.030	99.900
9.000	0.0	12.860	0.030	99.930
9.500	0.0	12.860	0.030	99.960
10.000	0.0	12.870	0.020	99.980
10.500	0.0	12.870	0.010	99.990
11.000	0.0	12.870	0.010	100.000

ONE PERCENTILE 2.004

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.034
16	2.118
25	2.186
50	2.377
75	2.648
84	2.800
95	2.985

RMJ

C-10

SAMPLE NUMBER

1.50 •

2.00 •

2.50 •

3.00 •

3.50 •

4.00 •

4.50 •

5.00 •

5.50 •

6.00 •

6.50 •

7.00 •

7.50 •

8.00 •

8.50 •

9.00 •

9.50 •

10.00 •

10.50 •

11.00 •

••••• 0 10 20 30 40 50 60 70 80

FREQUENCY

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-20  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	15.890	GRAMS
CLAY AND SILT WEIGHT	0.570	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	15.090	GRAMS
DETRITUS GREATER THAN 2 MM.	0.23	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.547  
MODE (PHI) 2.500

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.547	0.511	0.064	1.262

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.547	0.430	-0.000 0.292	1.265

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.644	1.052	1.669	20.652

# COMPOSITE SIZE ANALYSIS C-20

GRAVEL WT.	0.0	SAND WT.	15.09	SILT WT.	0.39	CLAY WT.	0.18
GRAVEL PCT	0.0	SAND PCT	96.36	SILT PCT	2.49	CLAY PCT	1.15
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	26.47			SILT-CLAY RATIO	2.18		

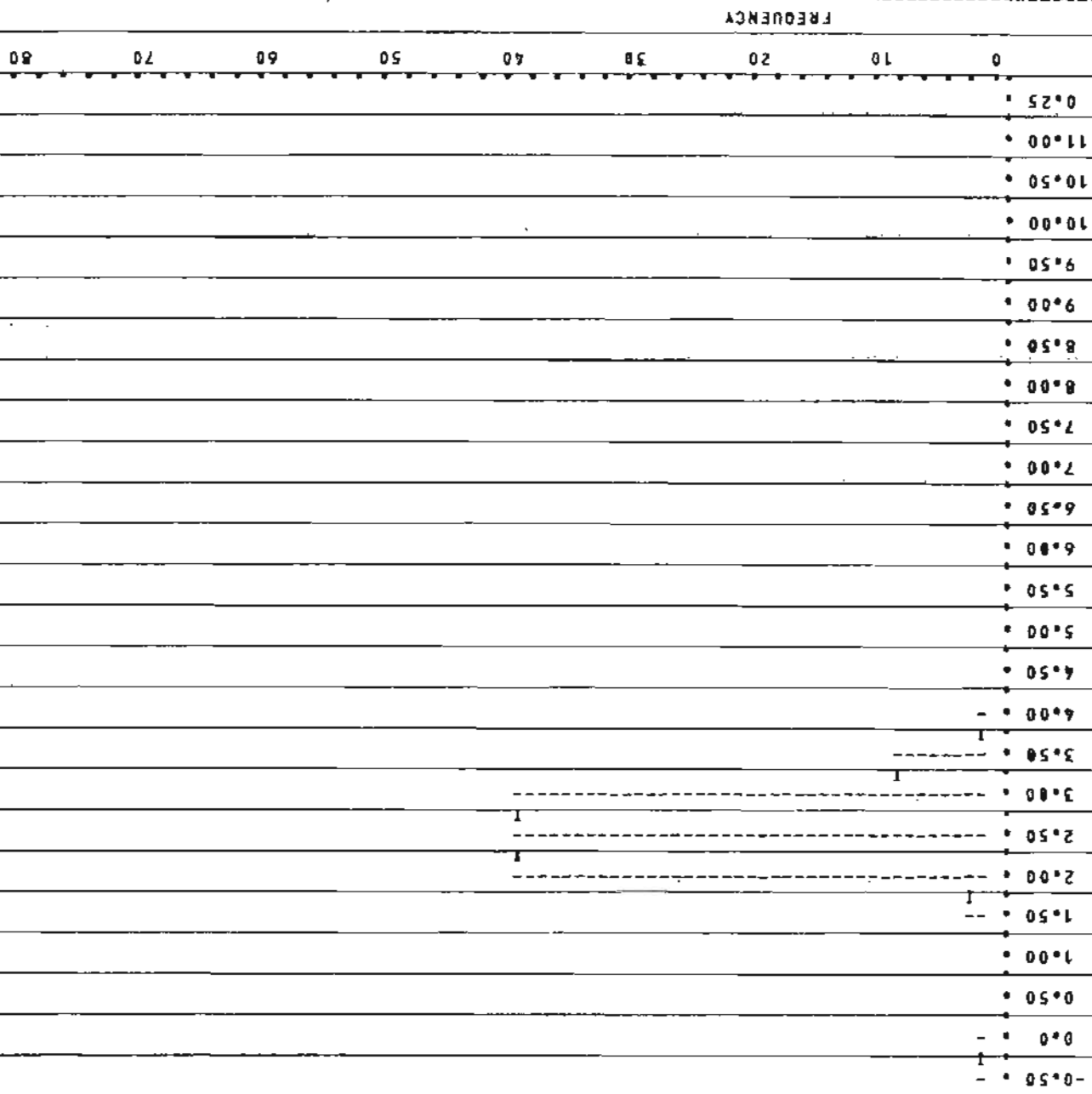
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-0.500	0.0	0.0	0.0	0.0
0.0	0.230	0.230	1.450	1.450
0.500	0.080	0.300	0.480	1.930
1.000	0.150	0.450	0.960	2.890
1.500	0.150	0.600	0.960	3.850
2.000	0.450	1.060	2.900	6.750
2.500	6.190	7.240	39.500	46.250
3.000	6.190	13.430	39.510	85.760
3.500	1.360	14.790	8.670	94.430
4.000	0.300	15.090	1.930	96.360
4.500	0.050	15.140	0.340	96.700
5.000	0.070	15.210	0.460	97.160
5.500	0.080	15.290	0.500	97.660
6.000	0.060	15.350	0.380	98.040
6.500	0.040	15.390	0.270	98.310
7.000	0.030	15.430	0.200	98.510
7.500	0.030	15.450	0.160	98.670
8.000	0.030	15.480	0.180	98.850
8.500	0.040	15.520	0.230	99.080
9.000	0.040	15.550	0.230	99.310
9.500	0.040	15.590	0.260	99.570
10.000	0.030	15.630	0.210	99.780
10.500	0.020	15.650	0.140	99.920
11.000	0.010	15.660	0.080	100.000

ONE PERCENTILE -0.155

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.698
16	2.117
25	2.231
50	2.547
75	2.864
84	2.978
95	3.648

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-23  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	15.380	GRAMS
CLAY AND SILT WEIGHT	0.020	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	14.190	GRAMS
DETRITUS GREATER THAN 2 MM.	1.17	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.534  
MODE (PHI) 1.588

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.427	0.522	-0.252	0.909

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.373	0.539	-0.298 -0.319	0.546

VERBALIZATION OF FOLK PARAMETERS  
MODERATELY WELL SORTED  
COARSE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.412	0.592	0.032	14.568

# COMPOSITE SIZE ANALYSIS C-23

GRAVEL WT.	0.0	SAND WT.	14.19	SILT WT.	0.02	CLAY WT.	0.00
GRAVEL PCT	0.0	SAND PCT	99.86	SILT PCT	0.11	CLAY PCT	0.03
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	709.69			SILT-CLAY RATIO	4.02		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.280	0.280	2.000	2.000
0.0	0.0	0.280	0.0	2.000
0.500	0.280	0.570	1.990	3.990
1.000	2.550	3.120	17.980	21.970
1.500	3.550	6.670	24.960	46.930
2.000	6.390	13.050	44.940	91.870
2.500	1.140	14.190	7.990	99.860
3.000	0.0	14.190	0.0	99.860
3.500	0.0	14.190	0.0	99.860
4.000	0.0	14.190	0.0	99.860
4.500	0.0	14.190	0.020	99.880
5.000	0.0	14.200	0.020	99.900
5.500	0.0	14.200	0.020	99.920
6.000	0.0	14.200	0.020	99.940
6.500	0.0	14.200	0.010	99.950
7.000	0.0	14.200	0.010	99.960
7.500	0.0	14.210	0.010	99.970
8.000	0.0	14.210	0.0	99.970
8.500	0.0	14.210	0.010	99.980
9.000	0.0	14.210	0.0	99.980
9.500	0.0	14.210	0.010	99.990
10.000	0.0	14.210	0.0	99.990
10.500	0.0	14.210	0.010	100.000
11.000	0.0	14.210	0.0	100.000

ONE PERCENTILE -0.750

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	0.528
16	0.834
25	1.061
50	1.534
75	1.812
84	1.912
95	2.196

PHI

C-23  
SAMPLE NUMBER

-1.00

-0.50

0.0

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-24  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	14.600	GRAMS
CLAY AND SILT WEIGHT	0.220	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	12.460	GRAMS
DETRITUS GREATER THAN 2 MM.	1.92	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.065  
MODE (PHI) 2.003

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.064	0.409	0.137	1.029

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.064	0.386	-0.005 0.515	0.845

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.172	0.731	2.768	44.156

# COMPOSITE SIZE ANALYSIS C-24

GRAVEL WT.	0.0	SAND WT.	12.46	SILT WT.	0.17	CLAY WT.	0.05
GRAVEL PCT	0.0	SAND PCT	98.27	SILT PCT	1.37	CLAY PCT	0.36
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	56.64			SILT-CLAY RATIO	3.76		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.000	0.0	0.0	0.0	0.0
1.500	0.060	0.060	0.490	0.490
2.000	5.540	5.610	43.730	44.220
2.500	5.610	11.210	44.220	88.440
3.000	0.870	12.090	6.880	95.320
3.500	0.120	12.210	0.980	96.300
4.000	0.250	12.460	1.970	98.270
4.500	0.020	12.480	0.160	98.430
5.000	0.030	12.510	0.240	98.670
5.500	0.040	12.550	0.310	98.980
6.000	0.030	12.580	0.220	99.200
6.500	0.020	12.600	0.150	99.350
7.000	0.020	12.610	0.120	99.470
7.500	0.010	12.620	0.090	99.560
8.000	0.010	12.630	0.080	99.640
8.500	0.010	12.640	0.070	99.710
9.000	0.010	12.650	0.070	99.780
9.500	0.010	12.660	0.070	99.850
10.000	0.010	12.670	0.060	99.910
10.500	0.010	12.680	0.060	99.970
11.000	0.0	12.680	0.030	100.000

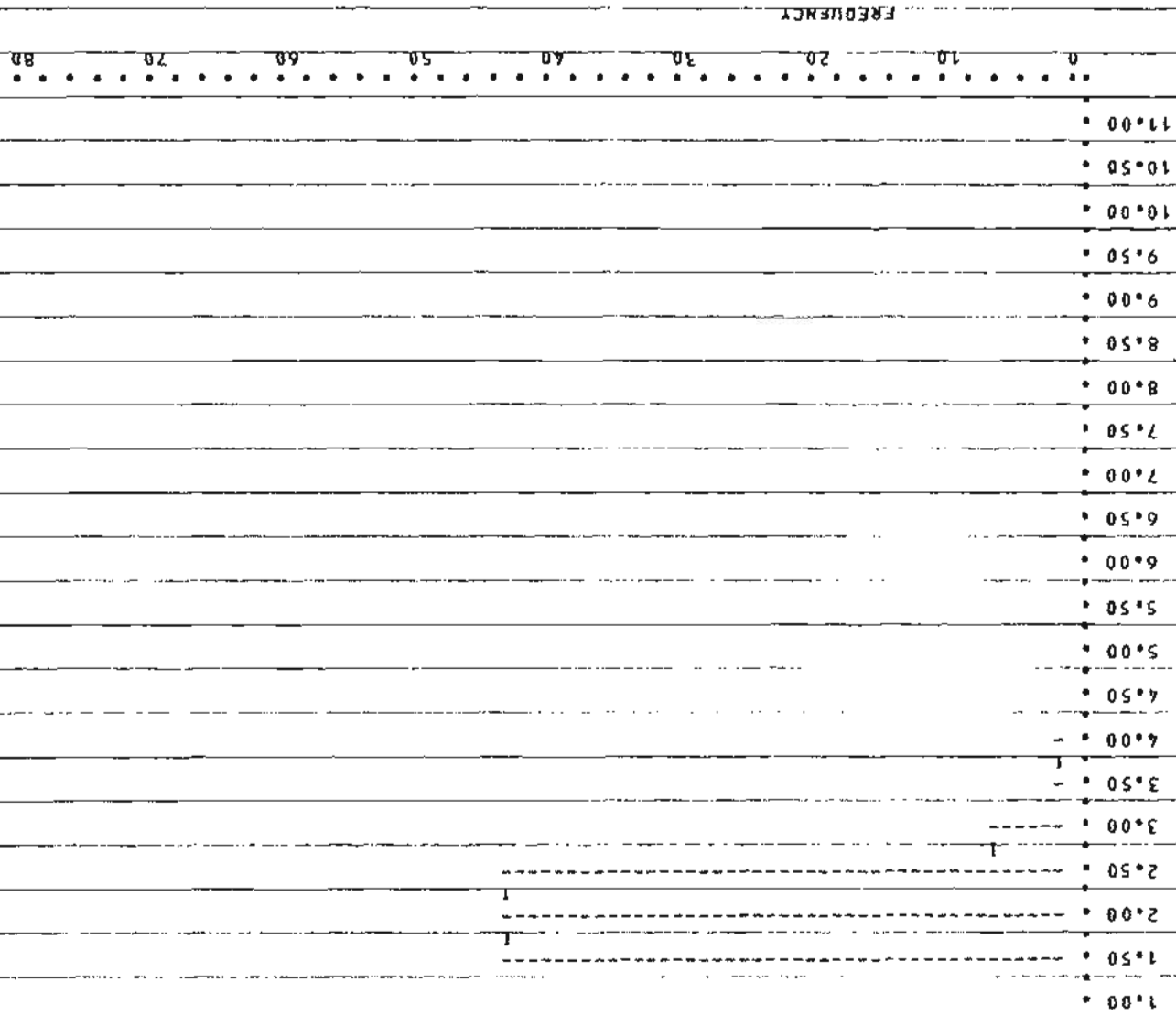
ONE PERCENTILE 1.506

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.552
16	1.677
25	1.780
50	2.065
75	2.348
84	2.450
95	2.977

PHI

C-24  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-25  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	13.530	GRAMS
CLAY AND SILT WEIGHT	0.420	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	13.110	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

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MEDIAN (PHI) 2.856

MODE (PHI) 2.651  
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FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.921	0.450	0.223	1.212

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.954	0.406	0.241 0.410	1.008

-----  
VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.997	0.835	2.599	35.740

-----

# COMPOSITE SIZE ANALYSIS C-25

GRAVEL WT.	0.0	SAND WT.	13.11	SILT WT.	0.29	CLAY WT.	0.13
GRAVEL PCT	0.0	SAND PCT	96.90	SILT PCT	2.16	CLAY PCT	0.95
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	31.21			SILT-CLAY RATIO	2.28		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.130	0.130	0.970	0.970
2.500	1.310	1.440	9.690	10.660
3.000	7.470	8.910	55.230	65.890
3.500	3.410	12.320	25.190	91.080
4.000	0.790	13.110	5.820	96.900
4.500	0.070	13.180	0.490	97.390
5.000	0.050	13.230	0.400	97.790
5.500	0.050	13.280	0.380	98.170
6.000	0.040	13.320	0.270	98.440
6.500	0.030	13.340	0.180	98.620
7.000	0.020	13.360	0.150	98.770
7.500	0.020	13.380	0.130	98.900
8.000	0.020	13.400	0.150	99.050
8.500	0.020	13.420	0.170	99.220
9.000	0.020	13.450	0.180	99.400
9.500	0.030	13.480	0.200	99.600
10.000	0.030	13.500	0.190	99.790
10.500	0.020	13.520	0.130	99.920
11.000	0.010	13.530	0.080	100.000

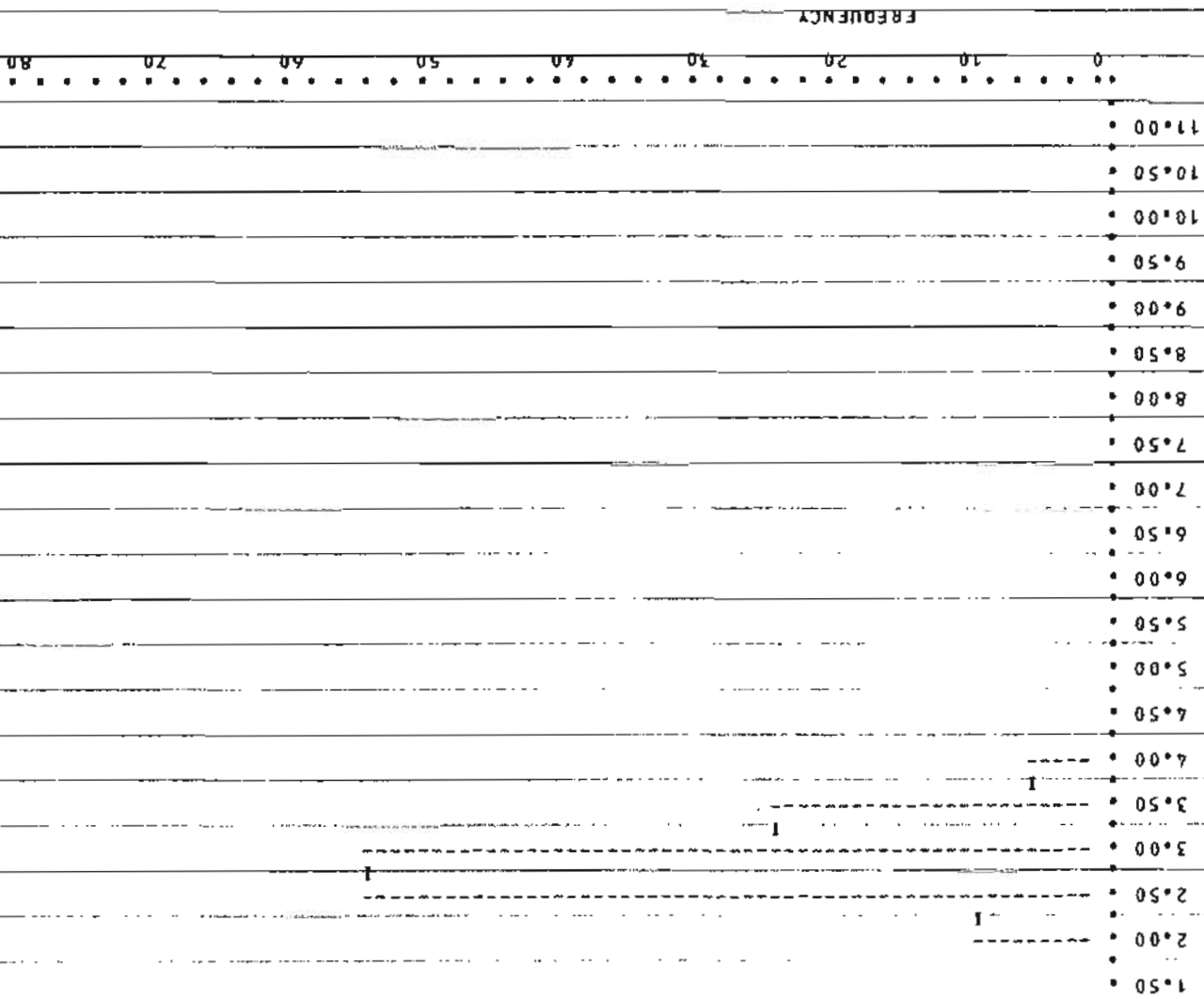
ONE PERCENTILE 2.002

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.208
16	2.548
25	2.630
50	2.856
75	3.181
84	3.359
95	3.837

PHI

C-25  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-26  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	18.270	GRAMS
CLAY AND SILT WEIGHT	11.220	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	6.730	GRAMS
DETRITUS GREATER THAN 2 MM.	0.32	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 4.756  
MODE (PHI) 2.138

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.831	2.647	0.080	0.918

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.869	2.746	0.041 0.183	0.532

VERBALIZATION OF FOLK PARAMETERS

VERY POORLY SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.782	2.595	0.092	-0.478

## COMPOSITE SIZE ANALYSIS C-26

GRAVEL WT.	0.0	SAND WT.	6.73	SILT WT.	8.80	CLAY WT.	2.42
GRAVEL PCT	0.0	SAND PCT	37.49	SILT PCT	49.02	CLAY PCT	13.48
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.60	SILT-CLAY RATIO		3.64			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.400	0.400	2.250	2.250
0.0	0.130	0.540	0.750	3.000
0.500	0.130	0.670	0.750	3.750
1.000	0.130	0.810	0.750	4.500
1.500	0.870	1.680	4.870	9.370
2.000	0.740	2.420	4.130	13.500
2.500	1.820	4.240	10.120	23.620
3.000	0.940	5.180	5.250	28.870
3.500	0.670	5.860	3.750	32.620
4.000	0.870	6.730	4.870	37.490
4.500	1.350	8.080	7.550	45.040
5.000	1.740	9.830	9.700	54.740
5.500	1.660	11.480	9.240	63.980
6.000	1.270	12.760	7.090	71.070
6.500	0.910	13.670	5.080	76.150
7.000	0.680	14.350	3.810	79.960
7.500	0.590	14.940	3.290	83.250
8.000	0.590	15.530	3.270	86.520
8.500	0.570	16.100	3.200	89.720
9.000	0.500	16.600	2.760	92.480
9.500	0.490	17.090	2.720	95.200
10.000	0.420	17.510	2.320	97.520
10.500	0.270	17.770	1.500	99.020
11.000	0.180	17.950	0.980	100.000

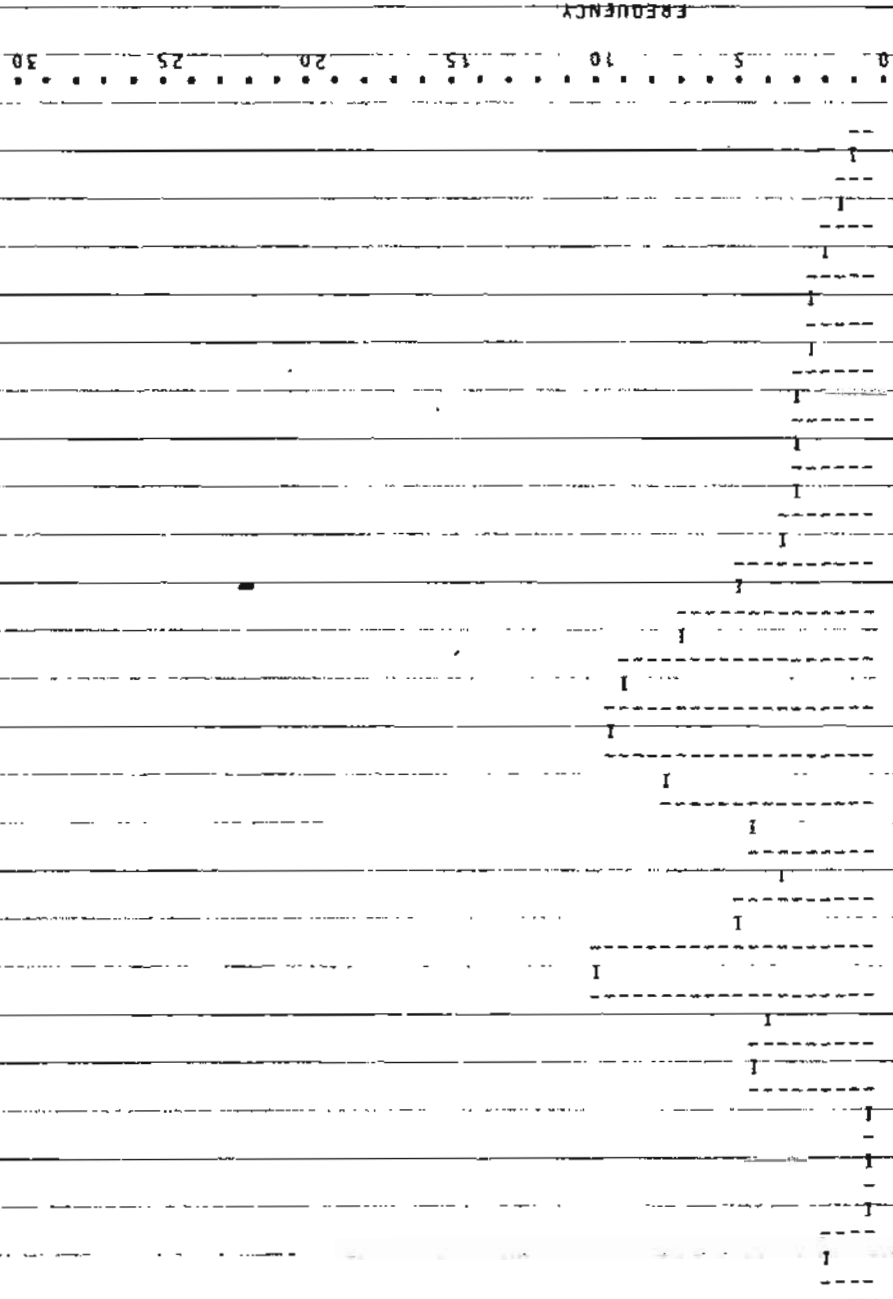
ONE PERCENTILE -0.778

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.051
16	2.124
25	2.631
50	4.756
75	6.387
84	7.615
95	9.463

C-26  
SAMPLE NUMBER

PHI



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-29  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	13.330	GRAMS
CLAY AND SILT WEIGHT	0.180	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	12.720	GRAMS
DETRITUS GREATER THAN 2 MM.	0.43	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 1.639  
MODE (PHI) 1.572

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.608	0.405	0.013	1.043

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.592	0.386	-0.123 0.270	0.812

VERBALIZATION OF FOLK PARAMETERS

WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
1.695	0.756	2.186	38.285

# COMPOSITE SIZE ANALYSIS C-29

GRAVEL WT.	0.0	SAND WT.	12.72	SILT WT.	0.15	CLAY WT.	0.03
GRAVEL PCT	0.0	SAND PCT	98.60	SILT PCT	1.13	CLAY PCT	0.27
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	70.67			SILT-CLAY RATIO	4.25		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
-1.000	0.0	0.0	0.0	0.0
-0.500	0.130	0.130	0.990	0.990
0.0	0.0	0.130	0.0	0.990
0.500	0.060	0.190	0.490	1.480
1.000	0.060	0.250	0.490	1.970
1.500	4.390	4.640	34.020	35.990
2.000	6.490	11.130	50.290	86.280
2.500	1.270	12.400	9.860	96.140
3.000	0.060	12.470	0.490	96.630
3.500	0.060	12.530	0.500	97.130
4.000	0.190	12.720	1.470	98.600
4.500	0.040	12.760	0.320	98.920
5.000	0.030	12.790	0.220	99.140
5.500	0.020	12.810	0.180	99.320
6.000	0.020	12.830	0.130	99.450
6.500	0.010	12.840	0.100	99.550
7.000	0.010	12.850	0.070	99.620
7.500	0.010	12.860	0.060	99.680
8.000	0.010	12.870	0.050	99.730
8.500	0.010	12.870	0.060	99.790
9.000	0.010	12.880	0.050	99.840
9.500	0.010	12.890	0.050	99.890
10.000	0.010	12.890	0.050	99.940
10.500	0.0	12.900	0.030	99.970
11.000	0.0	12.900	0.030	100.000

ONE PERCENTILE 0.010

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.045
16	1.206
25	1.338
50	1.639
75	1.888
84	1.977
95	2.442

PHI

C-28

SAMPLE NUMBER

-1.00

-0.50

0.00

0.50

1.00

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0

10

20

30

40

50

60

70

80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-30  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	14.730	GRAMS
CLAY AND SILT WEIGHT	5.980	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	8.750	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

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MEDIAN (PHI) 3.876  
MODE (PHI) 3.609  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.316	1.476	0.649	2.372

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.536	1.169	0.564 1.846	1.515

-----  
VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.522	1.726	0.965	2.874

# COMPOSITE SIZE ANALYSIS C-30

GRAVEL WT.	0.0	SAND WT.	8.75	SILT WT.	4.76	CLAY WT.	1.23
GRAVEL PCT	0.0	SAND PCT	59.40	SILT PCT	32.28	CLAY PCT	8.31
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	1.46	SILT-CLAY RATIO		3.88			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.090	0.090	0.590	0.590
3.000	0.090	0.170	0.600	1.190
3.500	2.970	3.150	20.190	21.380
4.000	5.600	8.750	38.020	59.400
4.500	2.200	10.950	14.930	74.330
5.000	0.770	11.720	5.250	79.580
5.500	0.510	12.230	3.460	83.040
6.000	0.340	12.580	2.340	85.380
6.500	0.250	12.830	1.690	87.070
7.000	0.220	13.050	1.490	88.560
7.500	0.220	13.260	1.480	90.040
8.000	0.240	13.510	1.650	91.690
8.500	0.250	13.760	1.730	93.420
9.000	0.250	14.010	1.660	95.080
9.500	0.280	14.280	1.880	96.960
10.000	0.230	14.510	1.550	98.510
10.500	0.140	14.650	0.920	99.430
11.000	0.080	14.730	0.570	100.000

ONE PERCENTILE 2.842

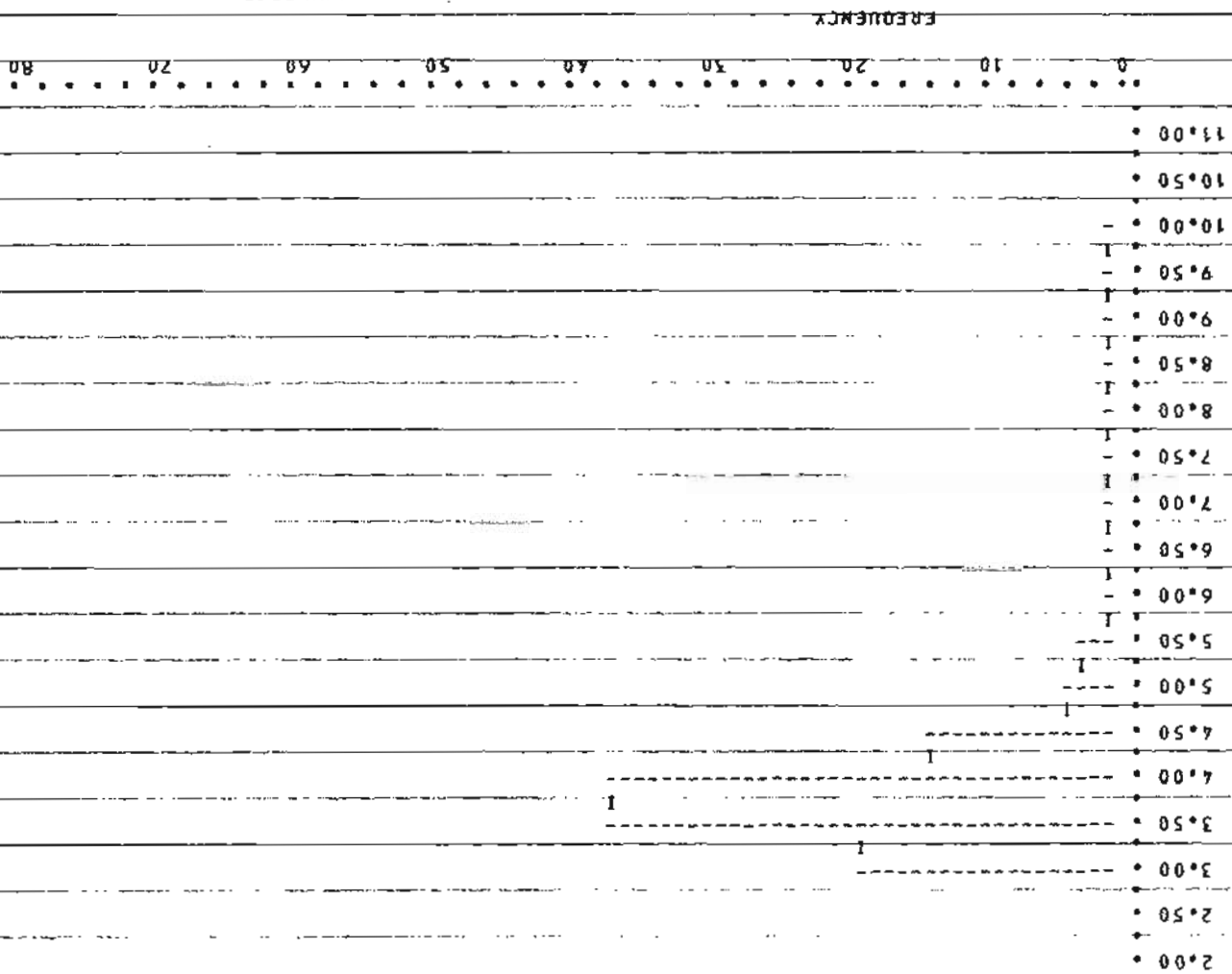
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	3.094
16	3.367
25	3.548
50	3.876
75	4.564
84	5.705
95	8.976

PHI

C-30

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-33  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	12.410	GRAMS
CLAY AND SILT WEIGHT	0.100	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	12.310	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 2.336  
MODE (PHI) 2.148

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.386	0.297	0.281	1.026

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.410	0.312	0.238 0.484	0.493

VERBALIZATION OF FOLK PARAMETERS

VERY WELL SORTED  
FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.408	0.430	3.664	91.135

# COMPOSITE SIZE ANALYSIS C-33

GRAVEL WT.	0.0	SAND WT.	12.31	SILT WT.	0.09	CLAY WT.	0.01
GRAVEL PCT	0.0	SAND PCT	99.19	SILT PCT	0.71	CLAY PCT	0.09
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO 123.11				SILT-CLAY RATIO 7.77			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.250	0.250	1.980	1.980
2.500	8.860	9.110	71.420	73.400
3.000	2.950	12.060	23.810	97.210
3.500	0.250	12.310	1.980	99.190
4.000	0.0	12.310	0.0	99.190
4.500	0.010	12.320	0.100	99.290
5.000	0.020	12.340	0.160	99.450
5.500	0.020	12.360	0.160	99.610
6.000	0.020	12.380	0.120	99.730
6.500	0.010	12.390	0.070	99.800
7.000	0.010	12.390	0.050	99.850
7.500	0.0	12.400	0.030	99.880
8.000	0.0	12.400	0.030	99.910
8.500	0.0	12.400	0.020	99.930
9.000	0.0	12.400	0.020	99.950
9.500	0.0	12.410	0.020	99.970
10.000	0.0	12.410	0.010	99.980
10.500	0.0	12.410	0.010	99.990
11.000	0.0	12.410	0.010	100.000

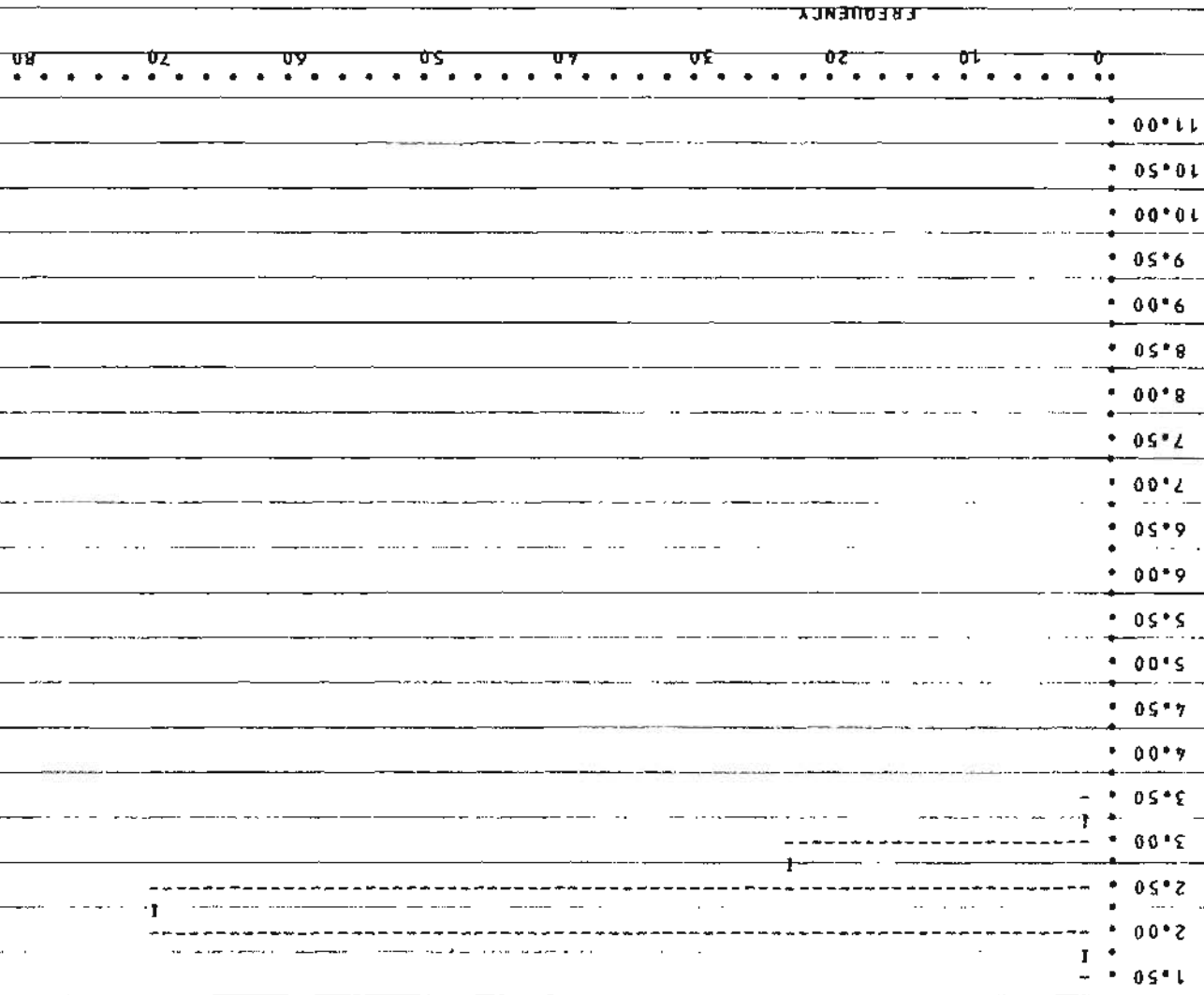
ONE PERCENTILE 1.753

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.021
16	2.098
25	2.161
50	2.336
75	2.534
84	2.723
95	2.954

RH1

C-33  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-34  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	13.460	GRAMS
CLAY AND SILT WEIGHT	0.270	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	13.110	GRAMS
DETRITUS GREATER THAN 2 MM.	0.08	GRAMS
BEAKER WEIGHT	0.0	GRAMS

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MEDIAN (PHI) 2.750  
MODE (PHI) 2.620  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.759	0.418	0.043	1.324

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.763	0.405	0.032 0.094	0.754

-----  
VERBALIZATION OF FOLK PARAMETERS  
WELL SORTED  
NEAR SYMMETRICAL  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
2.809	0.628	2.428	41.601

-----

# COMPOSITE SIZE ANALYSIS C-34

GRAVEL WT.	0.0	SAND WT.	13.11	SILT WT.	0.23	CLAY WT.	0.04
GRAVEL PCT	0.0	SAND PCT	97.98	SILT PCT	1.73	CLAY PCT	0.29
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	48.56			SILT-CLAY RATIO	5.98		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.260	0.260	1.960	1.960
2.500	2.620	2.880	19.600	21.560
3.000	7.600	10.490	56.830	78.390
3.500	2.230	12.720	16.650	95.040
4.000	0.390	13.110	2.940	97.980
4.500	0.040	13.150	0.310	98.290
5.000	0.050	13.200	0.380	98.670
5.500	0.050	13.250	0.390	99.060
6.000	0.030	13.290	0.260	99.320
6.500	0.020	13.310	0.150	99.470
7.000	0.010	13.320	0.110	99.580
7.500	0.010	13.330	0.070	99.650
8.000	0.010	13.340	0.060	99.710
8.500	0.010	13.350	0.070	99.780
9.000	0.010	13.360	0.050	99.830
9.500	0.010	13.370	0.060	99.890
10.000	0.010	13.370	0.060	99.950
10.500	0.0	13.380	0.030	99.980
11.000	0.0	13.380	0.020	100.000

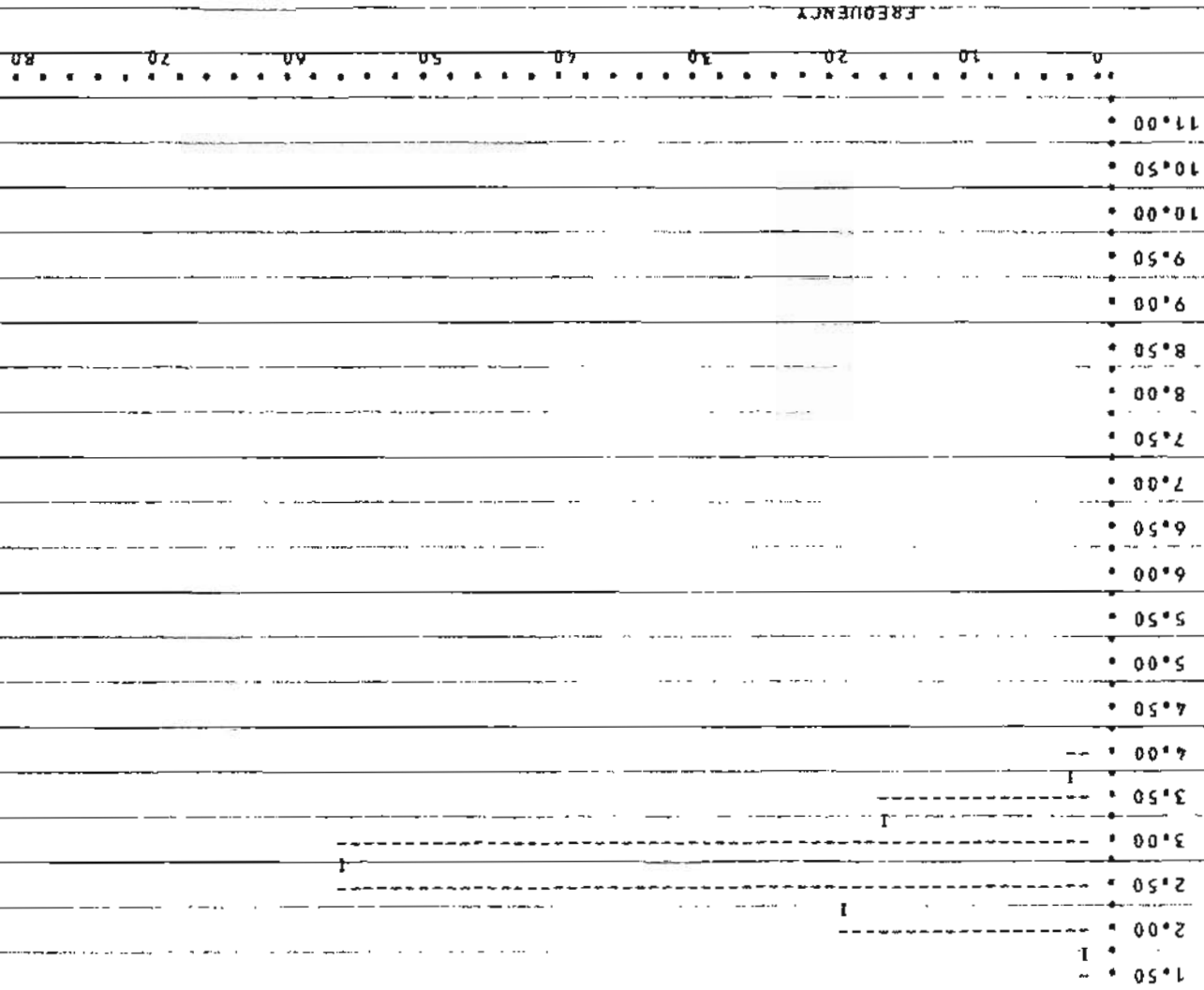
ONE PERCENTILE 1.755

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.078
16	2.358
25	2.530
50	2.750
75	2.970
84	3.168
95	3.499

PHI

C-3A  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-40  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	12.660	GRAMS
CLAY AND SILT WEIGHT	2.880	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	9.560	GRAMS
DETRITUS GREATER THAN 2 MM.	0.22	GRAMS
BEAKER WEIGHT	0.0	GRAMS

-----  
MEDIAN (PHI) 3.334  
MODE (PHI) 3.092  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.770	1.408	0.635	2.338

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.988	1.184	0.552 1.632	1.275

-----  
VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.920	1.639	1.040	3.859

# COMPOSITE SIZE ANALYSIS C-40

GRAVEL WT.	0.0	SAND WT.	9.56	SILT WT.	2.27	CLAY WT.	0.61
GRAVEL PCT	0.0	SAND PCT	76.85	SILT PCT	18.26	CLAY PCT	4.89
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	3.32	SILT-CLAY RATIO		3.74			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.190	0.190	1.540	1.540
3.000	2.960	3.150	23.820	25.360
3.500	4.590	7.740	36.890	62.250
4.000	1.820	9.560	14.600	76.850
4.500	0.360	9.920	2.850	79.700
5.000	0.390	10.300	3.120	82.820
5.500	0.430	10.730	3.440	86.260
6.000	0.280	11.020	2.290	88.550
6.500	0.250	11.260	1.980	90.530
7.000	0.220	11.480	1.730	92.260
7.500	0.190	11.660	1.510	93.770
8.000	0.170	11.830	1.340	95.110
8.500	0.150	11.990	1.230	96.340
9.000	0.130	12.120	1.050	97.390
9.500	0.120	12.240	0.990	98.380
10.000	0.100	12.340	0.820	99.200
10.500	0.060	12.400	0.500	99.700
11.000	0.040	12.440	0.300	100.000

ONE PERCENTILE 2.325

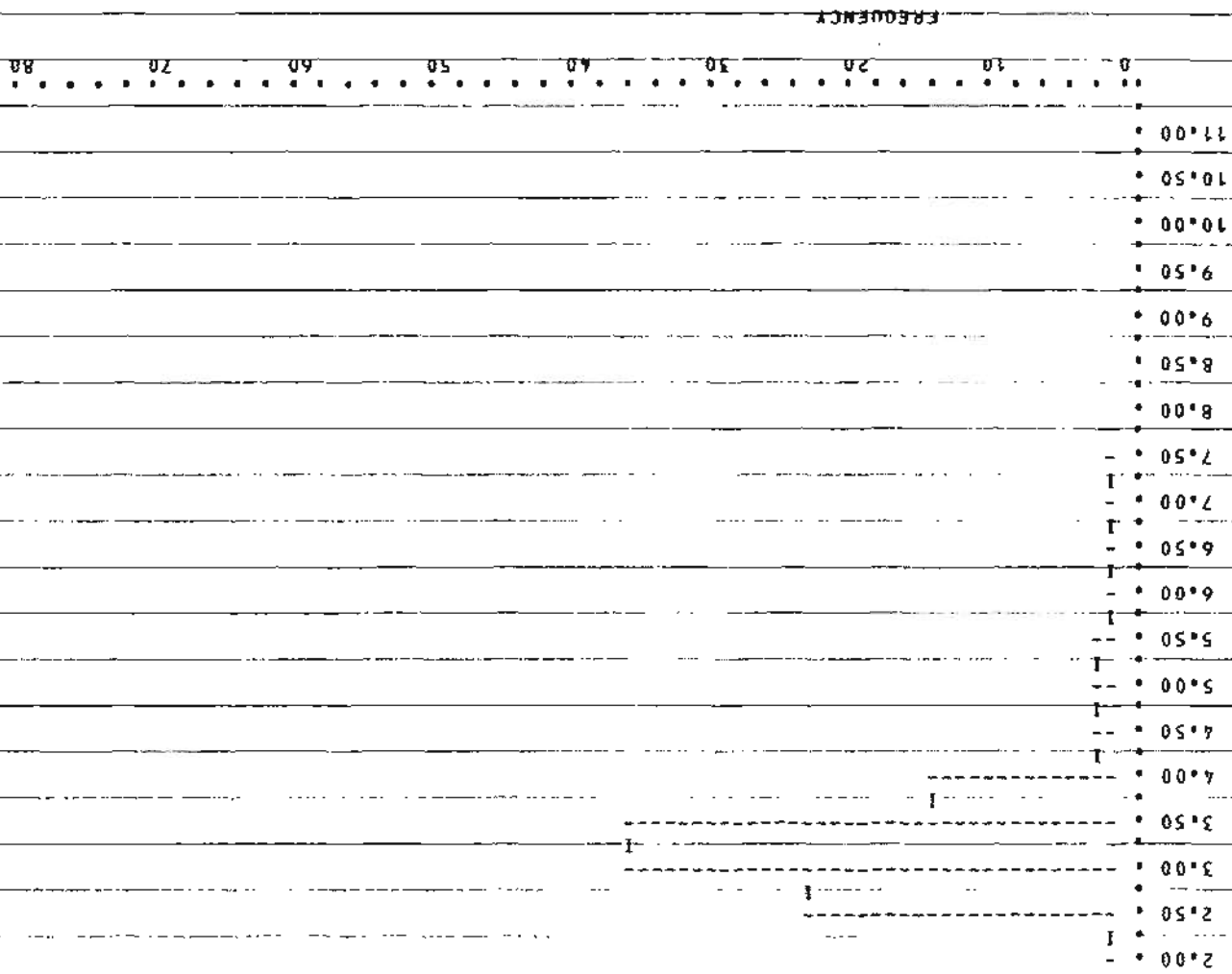
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.573
16	2.804
25	2.992
50	3.334
75	3.937
84	5.172
95	7.959

PHI

C-40

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-41  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	13.310	GRAMS
CLAY AND SILT WEIGHT	2.950	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	9.310	GRAMS
DETRITUS GREATER THAN 2 MM.	1.05	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.018  
MODE (PHI) 2.135

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.435	1.720	0.478	1.537

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.643	1.520	0.412 1.132	1.083

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.499	1.913	0.785	2.285

## COMPOSITE SIZE ANALYSIS C-41

GRAVEL WT.	0.0	SAND WT.	9.31	SILT WT.	2.37	CLAY WT.	0.58
GRAVEL PCT	0.0	SAND PCT	75.94	SILT PCT	19.31	CLAY PCT	4.75
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	3.16			SILT-CLAY RATIO	4.06		

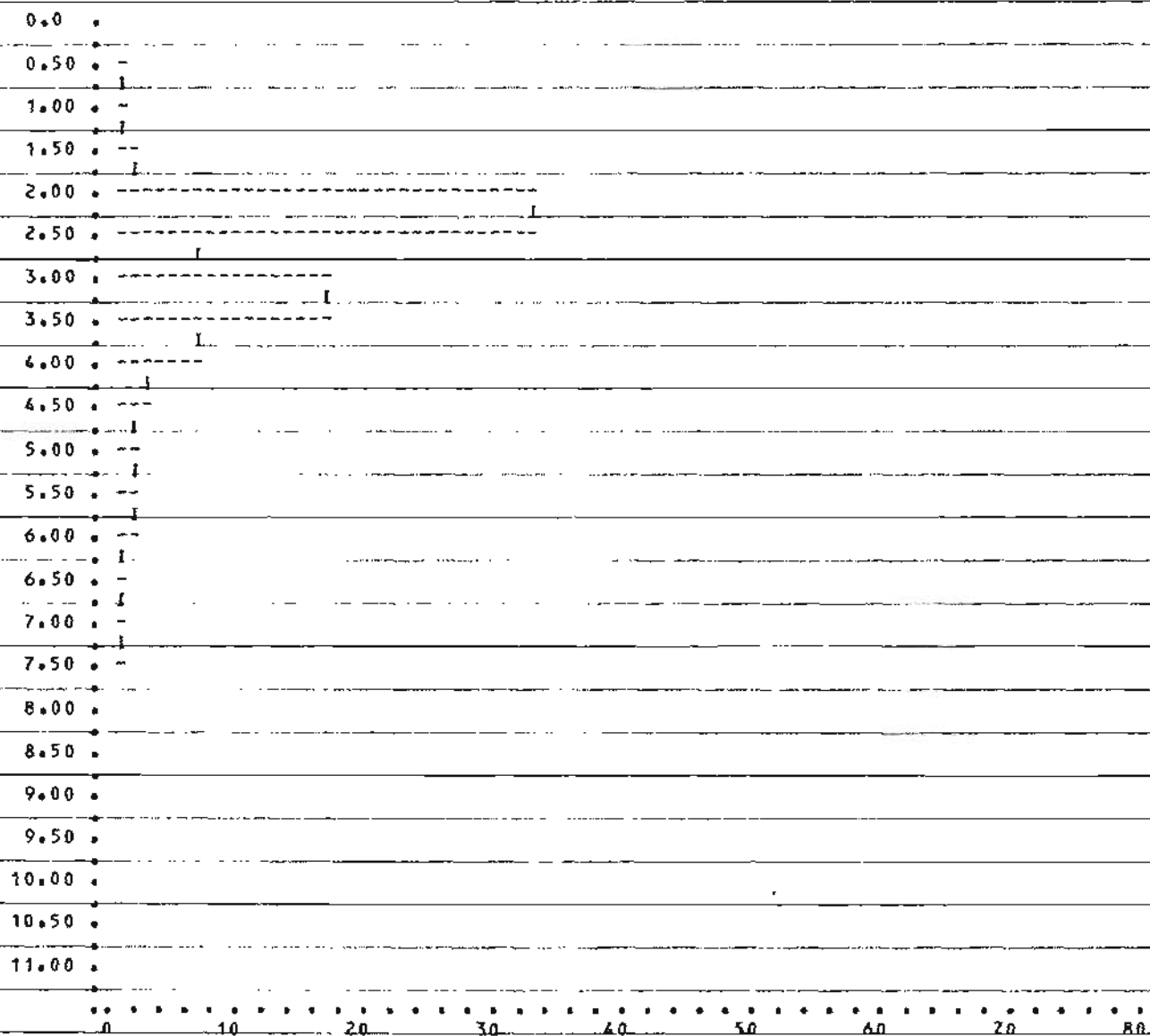
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
0.0	0.0	0.0	0.0	0.0
0.500	0.090	0.090	0.760	0.760
1.000	0.190	0.280	1.520	2.280
1.500	0.280	0.560	2.280	4.560
2.000	0.370	0.930	3.030	7.590
2.500	4.190	5.120	34.180	41.770
3.000	0.930	6.050	7.590	49.360
3.500	2.230	8.290	18.220	67.580
4.000	1.020	9.310	8.360	75.940
4.500	0.470	9.780	3.860	79.800
5.000	0.400	10.180	3.230	83.030
5.500	0.360	10.540	2.960	85.990
6.000	0.300	10.840	2.460	88.450
6.500	0.260	11.100	2.130	90.580
7.000	0.230	11.330	1.830	92.410
7.500	0.180	11.510	1.510	93.920
8.000	0.160	11.680	1.330	95.250
8.500	0.140	11.820	1.160	96.410
9.000	0.120	11.940	0.980	97.390
9.500	0.120	12.060	0.980	98.370
10.000	0.100	12.160	0.800	99.170
10.500	0.060	12.220	0.510	99.680
11.000	0.040	12.260	0.320	100.000

ONE PERCENTILE 0.579

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	1.573
16	2.123
25	2.255
50	3.018
75	3.944
84	5.164
95	7.906

PHI

C-41  
SAMPLE NUMBER

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-42  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	14.210	GRAMS
CLAY AND SILT WEIGHT	3.210	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	9.960	GRAMS
DETRITUS GREATER THAN 2 MM.	1.04	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.680  
MODE (PHI) 3.604

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.839	1.289	0.401	2.484

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.918	1.035	0.230 1.410	1.462

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.025	1.476	0.976	3.632

# COMPOSITE SIZE ANALYSIS C-42

GRAVEL WT.	0.0	SAND WT.	9.96	SILT WT.	2.66	CLAY WT.	0.55
GRAVEL PCT	0.0	SAND PCT	75.63	SILT PCT	20.20	CLAY PCT	4.18
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	3.10			SILT-CLAY RATIO	4.84		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.100	0.100	0.760	0.760
2.500	0.100	0.200	0.750	1.510
3.000	2.490	2.690	18.910	20.420
3.500	1.990	4.680	15.120	35.540
4.000	5.280	9.960	40.090	75.630
4.500	0.660	10.620	5.020	80.650
5.000	0.490	11.110	3.700	84.350
5.500	0.390	11.490	2.930	87.280
6.000	0.300	11.790	2.270	89.550
6.500	0.250	12.040	1.880	91.430
7.000	0.220	12.260	1.650	93.080
7.500	0.190	12.450	1.430	94.510
8.000	0.170	12.620	1.310	95.820
8.500	0.160	12.780	1.220	97.040
9.000	0.140	12.920	1.030	98.070
9.500	0.140	13.050	1.050	99.120
10.000	0.110	13.170	0.870	99.990
10.500	0.040	13.210	0.280	100.270
11.000	-0.040	13.170	-0.270	100.000

ONE PERCENTILE 2.160

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.592
16	2.883
25	3.151
50	3.680
75	3.992
84	4.953
95	7.687

PH

C-42

SAMPLE NUMBER

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0 10 20 30 40 50 60 70 80

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-43  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	10.890	GRAMS
CLAY AND SILT WEIGHT	5.770	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	5.110	GRAMS
DETRITUS GREATER THAN 2 MM.	0.01	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 4.152  
MODE (PHI) 3.605

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.741	1.895	0.516	1.191

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.036	1.850	0.477 0.959	0.729

VERBALIZATION OF FOLK PARAMETERS

POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.848	1.924	0.599	0.642

# COMPOSITE SIZE ANALYSIS C-43

GRAVEL WT.	0.0	SAND WT.	5.11	SILT WT.	4.70	CLAY WT.	1.07
GRAVEL PCT	0.0	SAND PCT	46.97	SILT PCT	43.18	CLAY PCT	9.86
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.89	SILT-CLAY RATIO		4.38			

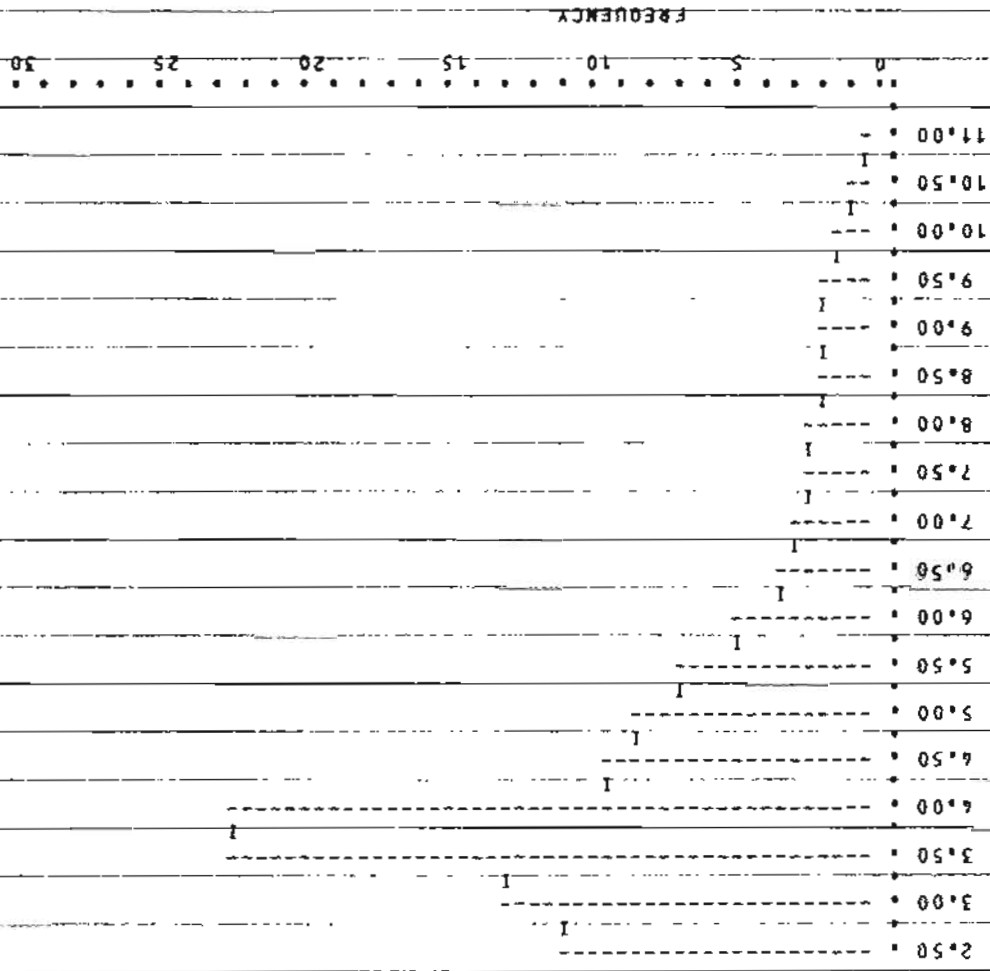
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.500	0.0	0.0	0.0	0.0
3.000	1.200	1.200	11.040	11.040
3.500	1.460	2.660	13.380	24.420
4.000	2.450	5.110	22.550	46.970
4.500	1.080	6.190	9.950	56.920
5.000	0.940	7.130	8.650	65.570
5.500	0.790	7.930	7.270	72.840
6.000	0.550	8.470	5.040	77.880
6.500	0.410	8.880	3.750	81.630
7.000	0.330	9.220	3.070	84.700
7.500	0.290	9.510	2.690	87.390
8.000	0.300	9.810	2.750	90.140
8.500	0.260	10.060	2.350	92.490
9.000	0.220	10.280	2.000	94.490
9.500	0.220	10.500	2.020	96.510
10.000	0.180	10.680	1.680	98.190
10.500	0.120	10.800	1.090	99.280
11.000	0.080	10.880	0.720	100.000

ONE PERCENTILE 2.545

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.726
16	3.185
25	3.513
50	4.152
75	5.714
84	6.886
95	9.126

PH1  
C-43  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-44  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	12.460	GRAMS
CLAY AND SILT WEIGHT	5.080	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	7.380	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

-----  
MEDIAN (PHI) 3.513  
MODE (PHI) 2.690  
-----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.405	2.028	0.677	0.953

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.852	2.086	0.642 1.109	0.559

-----  
VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC  
-----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.514	2.097	0.593	0.319

-----

## COMPOSITE SIZE ANALYSIS C-44

GRAVEL WT.	0.0	SAND WT.	7.38	SILT WT.	3.85	CLAY WT.	1.23
GRAVEL PCT	0.0	SAND PCT	59.23	SILT PCT	30.93	CLAY PCT	9.84
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	1.45	SILT-CLAY RATIO		3.14			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.070	0.070	0.590	0.590
3.000	3.620	3.690	29.020	29.610
3.500	2.510	6.200	20.160	49.750
4.000	1.180	7.380	9.480	59.230
4.500	0.630	8.010	5.020	64.250
5.000	0.540	8.550	4.350	68.600
5.500	0.580	9.130	4.680	73.280
6.000	0.490	9.620	3.940	77.220
6.500	0.470	10.090	3.760	80.980
7.000	0.430	10.520	3.450	84.430
7.500	0.380	10.900	3.030	87.460
8.000	0.340	11.230	2.700	90.160
8.500	0.310	11.550	2.500	92.660
9.000	0.250	11.800	2.020	94.680
9.500	0.250	12.050	2.020	96.700
10.000	0.200	12.250	1.630	98.330
10.500	0.130	12.380	1.020	99.350
11.000	0.080	12.460	0.650	100.000

ONE PERCENTILE 2.507

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.576
16	2.766
25	2.921
50	3.513
75	5.718
84	6.938
95	9.079

PHI

C-44  
SAMPLE NUMBER

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

10.50

11.00

FREQUENCY

0  
5  
10  
15  
20  
25  
30

Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-45  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	13.920	GRAMS
CLAY AND SILT WEIGHT	1.880	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	11.960	GRAMS
DETRITUS GREATER THAN 2 MM.	0.08	GRAMS
BEAKER WEIGHT	0.0	GRAMS

-----  
 MEDIAN (PHI) 3.318  
 MODE (PHI) 3.119  
 -----

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.362	0.905	0.383	2.328

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.384	0.560	0.119	2.682
		2.380	

-----  
 VERBALIZATION OF FOLK PARAMETERS

MODERATELY SORTED  
 STRONGLY FINE SKEWED  
 VERY PLATYKURTIC  
 -----

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.664	1.331	1.475	9.353

-----

## COMPOSITE SIZE ANALYSIS C-45

GRAVEL WT.	0.0	SAND WT.	11.96	SILT WT.	1.46	CLAY WT.	0.42
GRAVEL PCT	0.0	SAND PCT	86.42	SILT PCT	10.53	CLAY PCT	3.05
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	6.36			SILT-CLAY RATIO	3.45		

FHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.120	0.120	0.860	0.860
3.000	3.230	3.350	23.340	24.200
3.500	5.620	8.970	40.610	64.810
4.000	2.990	11.960	21.610	86.420
4.500	0.250	12.210	1.810	88.230
5.000	0.260	12.470	1.900	90.130
5.500	0.260	12.730	1.850	91.980
6.000	0.200	12.930	1.440	93.420
6.500	0.160	13.090	1.170	94.590
7.000	0.130	13.220	0.970	95.560
7.500	0.100	13.330	0.730	96.290
8.000	0.090	13.420	0.660	96.950
8.500	0.090	13.510	0.680	97.630
9.000	0.080	13.590	0.600	98.230
9.500	0.080	13.680	0.610	98.840
10.000	0.080	13.750	0.540	99.380
10.500	0.050	13.810	0.370	99.750
11.000	0.030	13.840	0.250	100.000

ONE PERCENTILE 2.503

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.589
16	2.824
25	3.010
50	3.318
75	3.736
84	3.944
95	6.711

C-45  
SAMPLE NUMBER

PHI

2.00

2.50

3.00

3.50

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5.50

6.00

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8.50

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11.00

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Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-46  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	11.520	GRAMS
CLAY AND SILT WEIGHT	1.190	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	10.320	GRAMS
DETRITUS GREATER THAN 2 MM.	0.01	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.131

MODE (PHI) 2.741

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.195	0.769	0.406	1.993

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.228	0.547	0.176	1.990
		1.902	

VERBALIZATION OF FOLK PARAMETERS

MODERATELY SORTED

STRONGLY FINE SKEWED

VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.417	1.214	1.698	13.043

# COMPOSITE SIZE ANALYSIS C-46

GRAVEL WT.	0.0	SAND WT.	10.32	SILT WT.	0.92	CLAY WT.	0.27
GRAVEL PCT	0.0	SAND PCT	89.66	SILT PCT	7.98	CLAY PCT	2.36
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	8.67			SILT-CLAY RATIO	3.38		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.050	0.050	0.450	0.450
2.500	0.210	0.260	1.790	2.240
3.000	4.390	4.640	38.110	40.350
3.500	4.230	8.880	36.760	77.110
4.000	1.440	10.320	12.550	89.660
4.500	0.190	10.510	1.680	91.340
5.000	0.180	10.690	1.560	92.900
5.500	0.170	10.860	1.480	94.380
6.000	0.120	10.980	1.010	95.390
6.500	0.080	11.060	0.720	96.110
7.000	0.070	11.130	0.560	96.670
7.500	0.060	11.180	0.490	97.160
8.000	0.060	11.240	0.480	97.640
8.500	0.060	11.300	0.500	98.140
9.000	0.050	11.350	0.470	98.610
9.500	0.060	11.410	0.510	99.120
10.000	0.050	11.460	0.440	99.560
10.500	0.030	11.490	0.270	99.830
11.000	0.020	11.510	0.170	100.000

ONE PERCENTILE 2.154

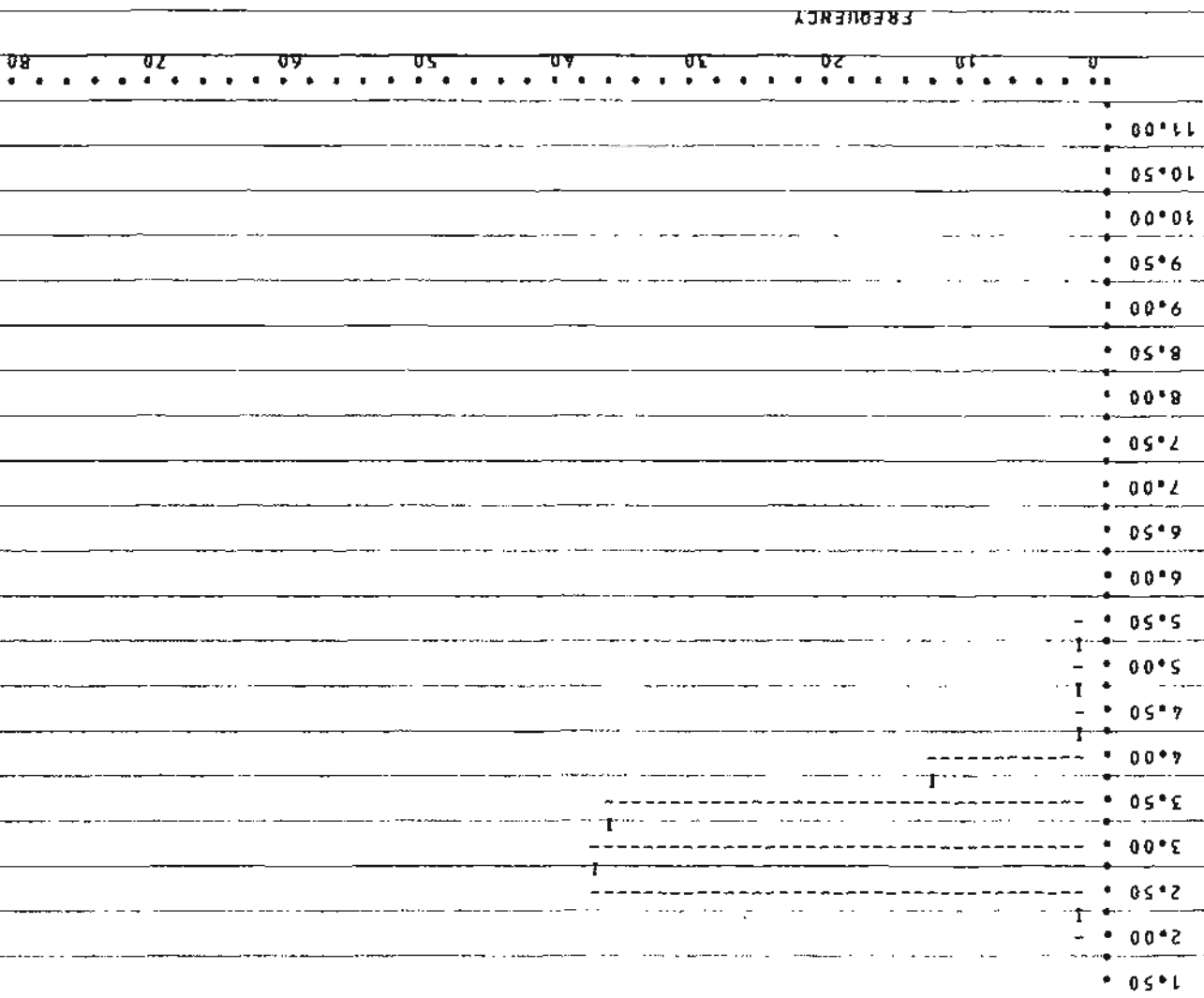
## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.536
16	2.681
25	2.799
50	3.131
75	3.471
84	3.775
95	5.807

PHI

C-76

SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-56  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	10.880	GRAMS
CLAY AND SILT WEIGHT	2.490	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	8.390	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.497  
MODE (PHI) 3.536

FOLK PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.778	1.500	0.534	2.523

INMAN PARAMETERS (PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.918	1.134	0.371 1.894	1.714

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
4.034	1.789	1.025	3.452

# COMPOSITE SIZE ANALYSIS C-56

GRAVEL WT.	0.0	SAND WT.	8.39	SILT WT.	1.71	CLAY WT.	0.78
GRAVEL PCT	0.0	SAND PCT	77.11	SILT PCT	15.70	CLAY PCT	7.19
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	3.37	SILT-CLAY RATIO		2.18			

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
2.000	0.0	0.0	0.0	0.0
2.500	0.170	0.170	1.540	1.540
3.000	2.770	2.940	25.450	26.990
3.500	2.520	5.460	23.130	50.120
4.000	2.940	8.390	26.990	77.110
4.500	0.430	8.820	3.970	81.080
5.000	0.290	9.110	2.690	83.770
5.500	0.240	9.360	2.220	85.990
6.000	0.180	9.540	1.700	87.690
6.500	0.140	9.680	1.290	88.980
7.000	0.120	9.800	1.130	90.110
7.500	0.130	9.930	1.170	91.280
8.000	0.170	10.100	1.530	92.810
8.500	0.170	10.260	1.530	94.340
9.000	0.160	10.430	1.480	95.820
9.500	0.170	10.590	1.550	97.370
10.000	0.140	10.740	1.330	98.700
10.500	0.090	10.830	0.810	99.510
11.000	0.050	10.880	0.490	100.000

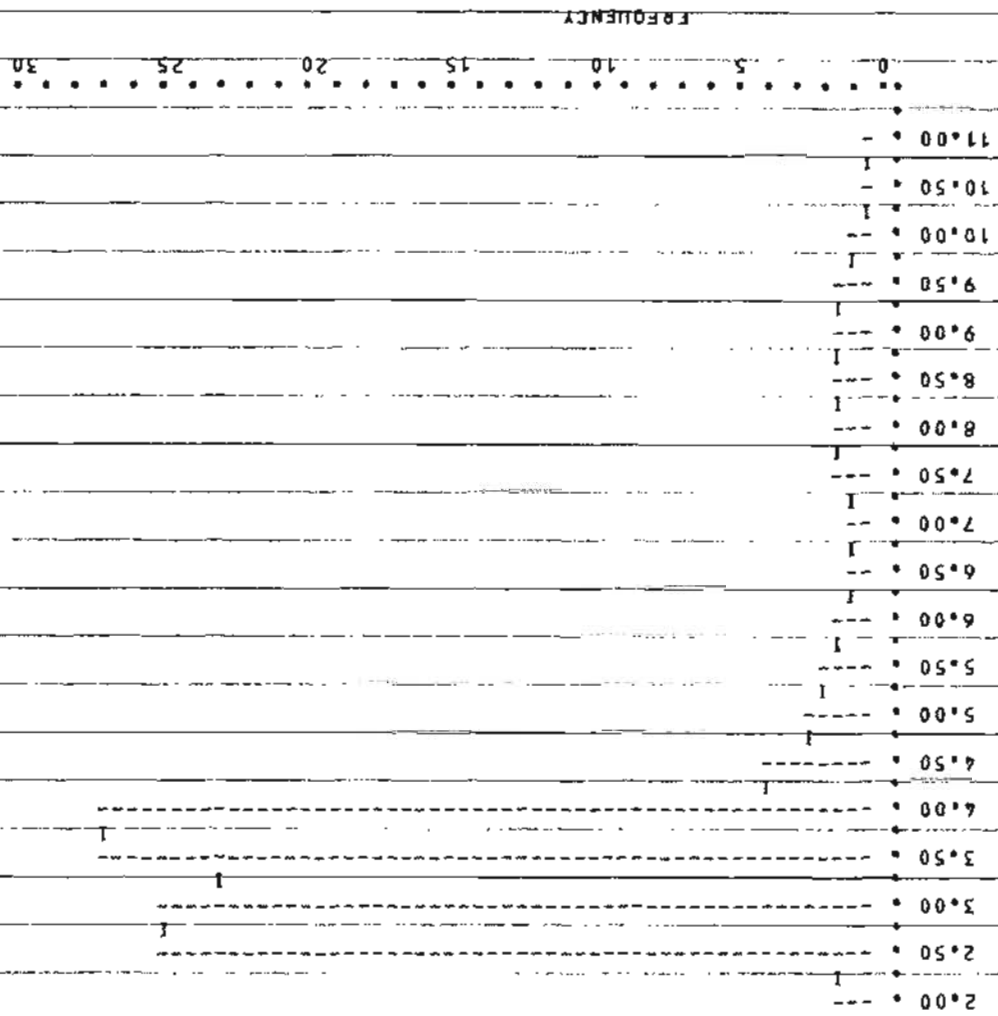
ONE PERCENTILE 2.325

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.568
16	2.784
25	2.961
50	3.497
75	3.961
84	5.052
95	8.723

PHI

SAMPLE NUMBER  
C-56



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-57  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	11.480	GRAMS
CLAY AND SILT WEIGHT	6.220	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	5.260	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 4.142  
MODE (PHI) 3.634

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.263	2.142	0.719	1.087

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.824	2.282	0.737 1.013	0.447

VERBALIZATION OF FOLK PARAMETERS  
VERY POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
5.156	2.155	0.588	0.040

# COMPOSITE SIZE ANALYSIS C-57

GRAVEL WT.	0.0	SAND WT.	5.26	SILT WT.	4.30	CLAY WT.	1.92
GRAVEL PCT	0.0	SAND PCT	45.82	SILT PCT	37.49	CLAY PCT	16.69
CARBONATE WT	0.0	CARBONATE PCT		0.0			
SAND-MUD RATIO	0.85	SILT-CLAY RATIO		2.25			

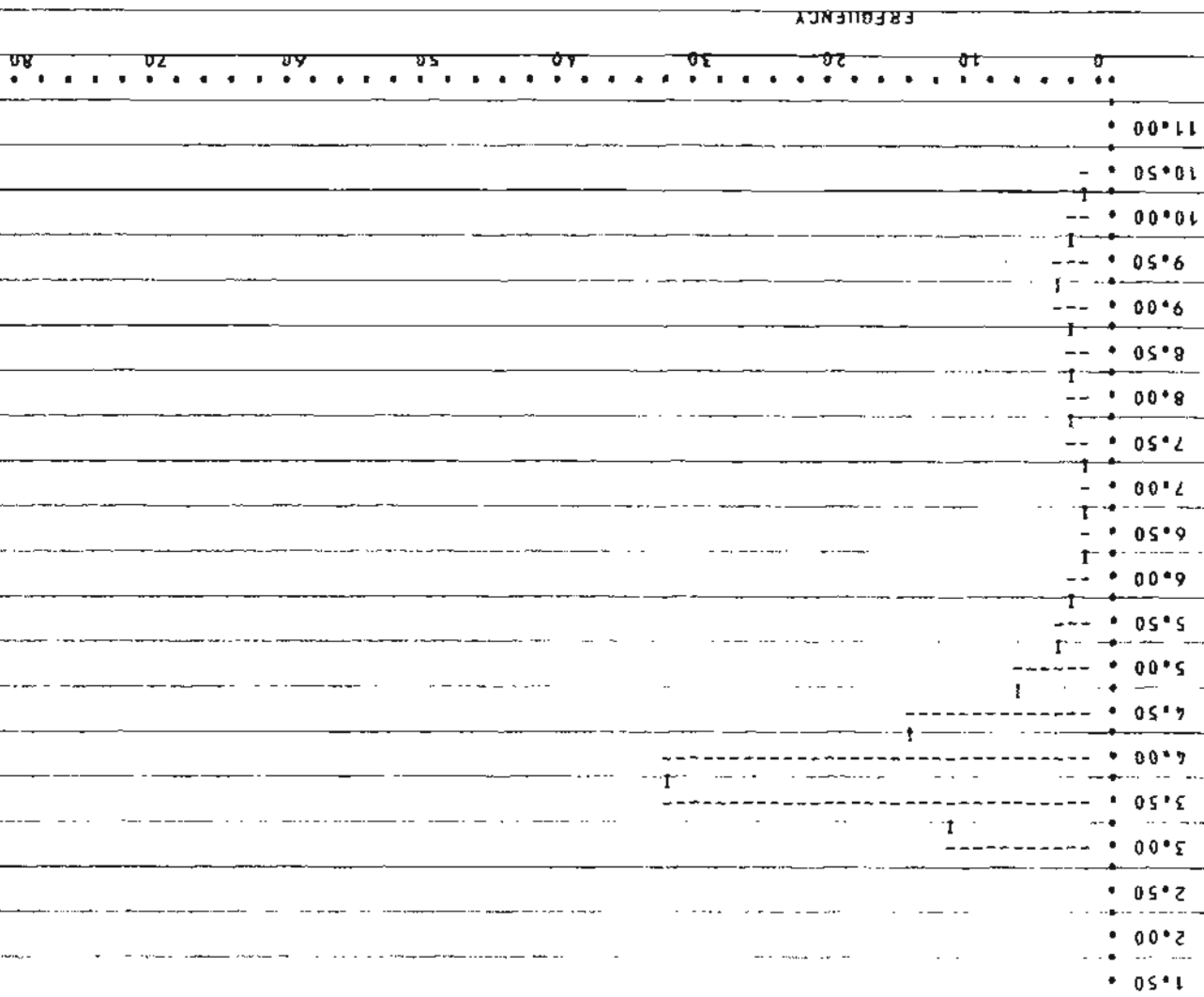
PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.050	0.050	0.460	0.460
2.500	0.0	0.050	0.0	0.460
3.000	0.110	0.160	0.910	1.370
3.500	1.370	1.530	11.920	13.290
4.000	3.730	5.260	32.530	45.820
4.500	1.690	6.950	14.740	60.560
5.000	0.780	7.740	6.820	67.380
5.500	0.460	8.200	4.020	71.400
6.000	0.330	8.520	2.840	74.240
6.500	0.260	8.780	2.230	76.470
7.000	0.230	9.010	2.000	78.470
7.500	0.240	9.250	2.130	80.600
8.000	0.310	9.560	2.710	83.310
8.500	0.370	9.940	3.240	86.550
9.000	0.370	10.310	3.230	89.780
9.500	0.410	10.720	3.590	93.370
10.000	0.360	11.080	3.180	96.550
10.500	0.240	11.330	2.110	98.660
11.000	0.150	11.480	1.340	100.000

ONE PERCENTILE 2.797

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	3.152
16	3.542
25	3.680
50	4.142
75	6.170
84	8.106
95	9.756

PHL  
C-52  
SAMPLE NUMBER



Sediment Analysis of Sample Collected  
from LOWER COOK INLET, ALASKA  
by sieves, RSA, and Coulter Counter

C-58  
SAMPLE NUMBER

TOTAL SAMPLE WEIGHT	12.150	GRAMS
CLAY AND SILT WEIGHT	2.260	GRAMS
CARBONATE WEIGHT	0.0	GRAMS
SAND WEIGHT	9.890	GRAMS
DETRITUS GREATER THAN 2 MM.	0.0	GRAMS
BEAKER WEIGHT	0.0	GRAMS

MEDIAN (PHI) 3.063  
MODE (PHI) 2.663

FOLK PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.334	1.469	0.581	2.562

INMAN PARAMETERS(PERCENTILES BY LINEAR INTERPOLATION)

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.469	0.925	0.438 2.601	2.591

VERBALIZATION OF FOLK PARAMETERS  
POORLY SORTED  
STRONGLY FINE SKEWED  
VERY PLATYKURTIC

MOMENT PARAMETERS

MEAN	STANDARD DEVIATION	SKEWNESS	KURTOSIS
3.709	1.890	1.077	3.820

# COMPOSITE SIZE ANALYSIS C-58

GRAVEL WT.	0.0	SAND WT.	9.89	SILT WT.	1.37	CLAY WT.	0.89
GRAVEL PCT	0.0	SAND PCT	81.40	SILT PCT	11.27	CLAY PCT	7.33
CARBONATE WT	0.0			CARBONATE PCT	0.0		
SAND-MUD RATIO	4.38			SILT-CLAY RATIO	1.54		

PHI	GRADE WT	CUMULATIVE WT	FREQUENCY	CUMULATIVE PCT
1.500	0.0	0.0	0.0	0.0
2.000	0.200	0.200	1.630	1.630
2.500	1.380	1.580	11.390	13.020
3.000	4.150	5.740	34.190	47.210
3.500	2.670	8.410	21.980	69.190
4.000	1.480	9.890	12.210	81.400
4.500	0.400	10.290	3.300	84.700
5.000	0.190	10.480	1.550	86.250
5.500	0.160	10.640	1.320	87.570
6.000	0.120	10.760	0.970	88.540
6.500	0.110	10.870	0.900	89.440
7.000	0.110	10.980	0.890	90.330
7.500	0.130	11.100	1.050	91.380
8.000	0.160	11.260	1.290	92.670
8.500	0.180	11.440	1.490	94.160
9.000	0.170	11.610	1.440	95.600
9.500	0.190	11.800	1.540	97.140
10.000	0.170	11.970	1.360	98.500
10.500	0.110	12.080	0.900	99.400
11.000	0.070	12.150	0.600	100.000

ONE PERCENTILE 1.807

## PERCENTILES (BY LINEAR INTERPOLATION) USED IN COMPUTING FOLK AND INMAN PARAMETERS

5	2.148
16	2.544
25	2.675
50	3.063
75	3.738
84	4.394
95	8.792

pH

C-58  
SAMPLE NUMBER

