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Inner West-Central Florida Continental Shelf:
Surface Sediment Characteristics and Distribution

by:

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INTRODUCTION

Florida exhibits the second longest coastline of any state in the U.S. and contains a large population that relies heavily on its coastal resources from both an economic and recreational perspective. In spite of this, we have a poor understanding of how this coastal system operates. This report results from a 5-year program funded by the USGS, designed to determine the controlling factors governing the geologic development of the west-central Florida coastal system and how this system has evolved in the past. The objective of this report is to present detailed information on surface sediments of the inner west-central Florida shelf, which will hopefully provide a framework for additional studies as well as provide data which may prove useful for coastal management purposes. This study evolved as a cooperative effort among the USGS, the University of South Florida Marine Science and Geology departments, and the Eckerd College Marine Geology program.

The inner west-central Florida continental shelf (Fig. 1) is part of the vast Florida platform, a southward thickening wedge of carbonates and evaporites that reaches a thickness of at least 5,000 m beneath Florida's southern tip (Antoine, et al., 1974). The West Florida Shelf constitutes the western half of the platform. It extends approximately 250 km from the barrier island coastline westward into the Gulf of Mexico. Unconsolidated sediments on the west Florida shelf have been reported to consist of a thin (generally 1-3 m) veneer of carbonates and siliciclastics overlying an irregular limestone surface (Doyle and Sparks, 1980; Holmes, 1981). Periodically, this surface crops out to form ledges and hardbottoms that support diverse biological assemblages. Scattered samples from the shelf indicate that surficial sediments consist of a nearshore band of fine-grained, quartz-rich (>75% quartz) sands, shifting offshore into coarse-grained, carbonate-rich (>75% CaCO_3) sands and gravels (Doyle and Sparks, 1980). The transition zone occurs rather abruptly at a distance of about 30 km offshore, except off Tampa Bay and Charlotte Harbor where it is displaced slightly farther seaward. It has been suggested that the Tertiary terrace deposits that veneer the Florida mainland are the source of quartz sand (Doyle, 1982; Davis, Hine and Belknap, 1985; Brooks and Doyle, 1992), but the extent to which quartz sand is being added to the system today is still somewhat of a mystery. Carbonate sediments are of biogenic origin, consisting dominantly of molluscan shell fragments with subordinate amounts of benthic foraminifera, bryozoa and coralline algae (Brooks and Doyle, 1991). Bedforms identified on the mid-outer shelf suggest sediments are periodically mobilized, presumably by storm-generated currents (Neurauter, 1980; Holmes, 1981), and transported offshelf into the deep Gulf of Mexico and Straits of Florida (Brooks and Holmes, 1989; 1990).

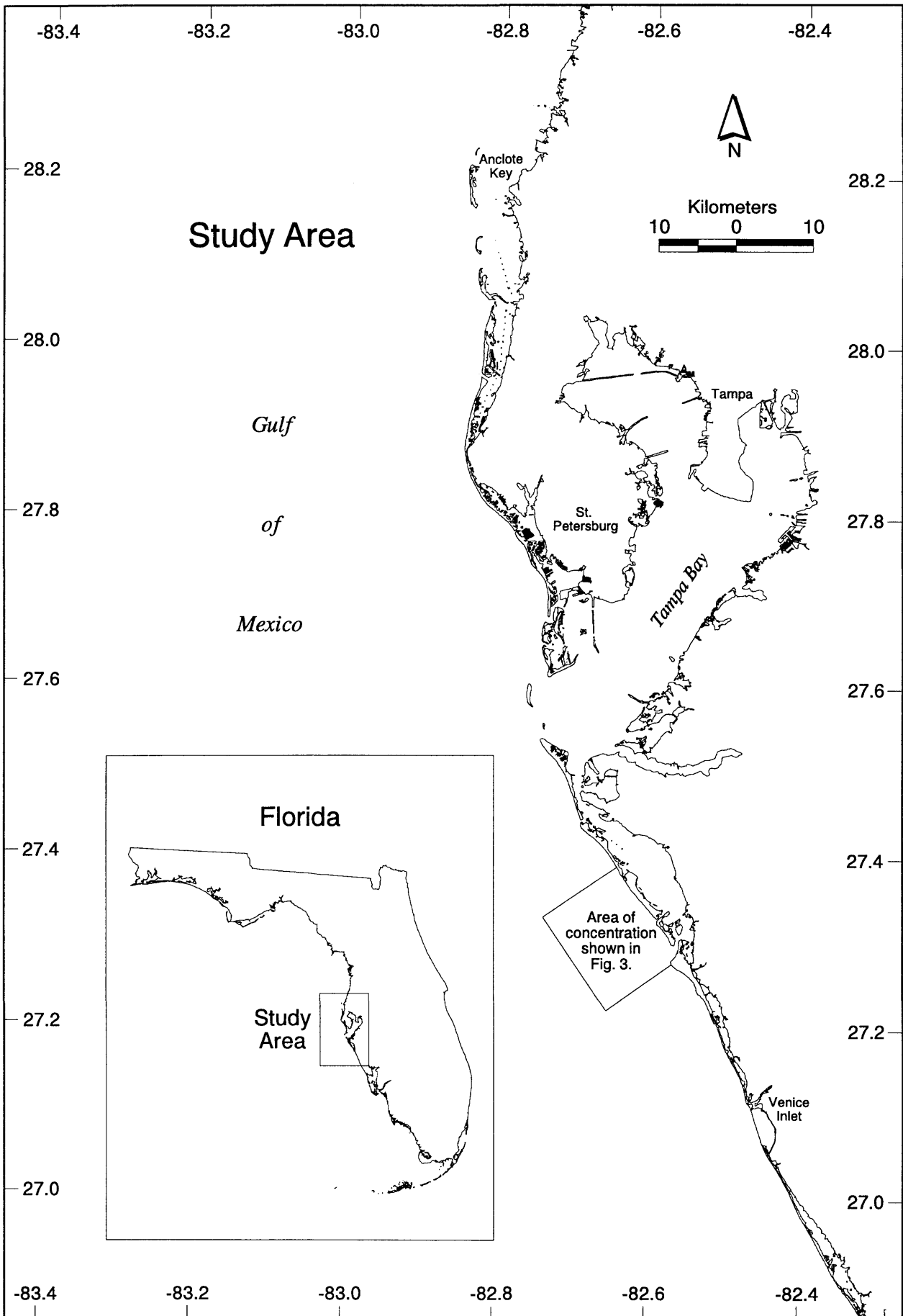


Fig. 1. Location map of west-central Florida showing study area.

METHODS

The study area (Fig. 1) extends southward from Anclote Key, the northernmost extent of the barrier island system, to Venice Inlet; and offshore to approximately 30 Km, the reported seaward extent of the nearshore quartz sand band (Doyle and Sparks, 1980). A total of 498 surface sediment samples (Figs. 2 and 3) were collected during three cruises between July, 1994 and May, 1995. The majority (346) of the samples (Fig. 2) were collected at approximately 1/2-hour intervals during seismic surveys. The ship's speed was approximately 5 knots, resulting in an approximate distance of 2.5 nautical miles (roughly 5 km) between each sample site. The distance between track lines was approximately 5 nautical miles. The remaining 152 samples were collected at closely spaced (approximately 1 km) intervals in an area of concentrated study off Sarasota Bay (Fig. 3). Navigation for all research cruises was by differential GPS (DGPS) and is estimated to be accurate to within 5 m.

Samples were collected using an underway grab sampler, which consists of a 4"-diameter steel, "torpedo-shaped" barrel approximately 1 m in length. A cloth, "oil well" sampling bag was securely fastened to the back end. Bags are designed specifically to allow water flow without losing fine-grained material. The sampler was deployed over the side while underway and "bounced" off the bottom. Surface sediment was picked up by the barrel and collected in the bag.

All samples were returned to the Eckerd College Sedimentology Laboratory for analysis. As the samples arrived at the laboratory, each was washed with deionized water, dried in an oven at a maximum of 40°C, and split by the cone and quartering method (Lewis and McConchie, 1994) into four representative subsamples (10 to 15 grams each) for subsequent analyses. Samples for grain size, calcium carbonate content and total organic content (TOC) were retained at Eckerd College. Samples for mineralogical and sediment constituent analysis were transferred to the University of South Florida Marine Science Laboratory.

Grain size analyses were conducted by a combination of methods. The fine (<63 μm ; 0.063 mm) fraction was analyzed by the pipette method (Folk, 1965). The sand and gravel (>63 μm ; 0.063 mm) fraction was analyzed by one of two separate methods, or both. Samples WFB-94J-1 through WFB-94J-169 and WFB 94N-1 through WFB 94N-80 were analyzed by the sieve method according to Folk (1965). Samples WFB-94N-61 through WFB 94N-74 and WFB-95M-1 through WFB 94M-152 were analyzed by the settling tube method described in Gibbs (1974).

Initially, the sample was wet sieved through a 63 μm (0.063 mm) screen; the fine fraction being collected in a 1,000 ml graduated cylinder. The sand/gravel (>63 μm ; 0.063 mm) fraction was dried and weighed to the nearest one-tenth (0.1) gram. For those samples analyzed by the sieve method, all particles larger than 63 μm (0.063 mm) were poured into a 3" diameter nested sieve set representing whole ϕ intervals. The entire set was shaken for 10 minutes on low setting in a vibrating-type sieve shaker, which is designed to minimize fragmentation of delicate carbonate grains.

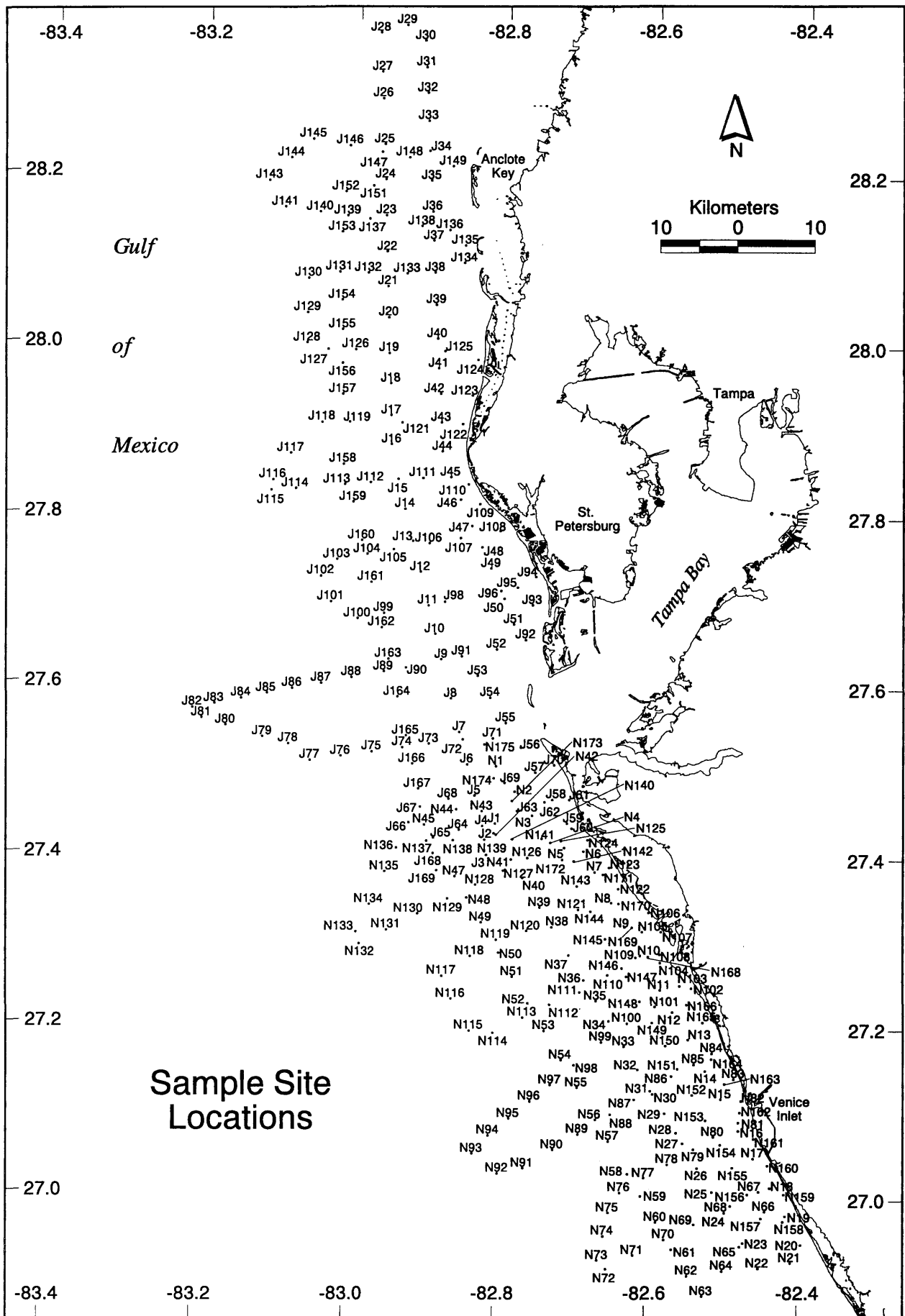


Fig. 2. Map of entire study area showing sites of samples collected at 1/2 hour intervals during seismic survey.

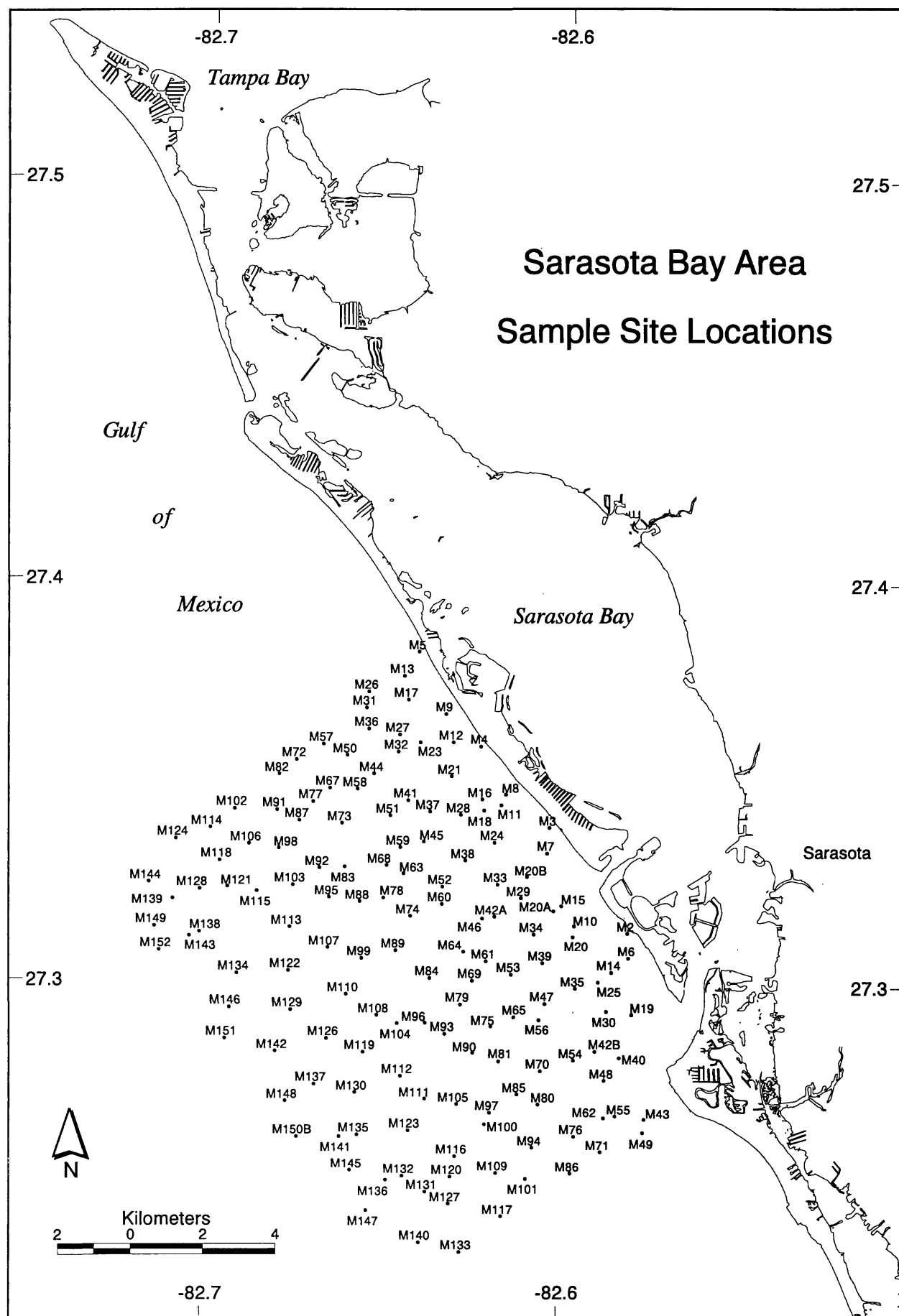


Fig. 3. Map showing sample sites of area of concentration off Sarasota Bay.

Following shaking, each fraction was weighed to the nearest one-tenth (0.1) gram. The pan fraction ($<63\ \mu\text{m}$; 0.063 mm) was added to the graduated cylinder for silt/clay analysis.

For samples analyzed by settling tube the sand/gravel ($>63\ \mu\text{m}$; 0.063 mm) fraction (isolated during wet sieving) was dried and a sub-sample of 1-3 g was collected for analysis. The settling tube method is based upon known settling velocities of idealized sediment grains (Gibbs, 1974). The design is based on models described in Gibbs (1974) and Willis (1990), and consists of a computer-assisted mechanism containing a bottom loading balance that is placed over a vertical cylinder of water. A capture pan with a diameter slightly less than that of the cylinder is suspended from the balance and within the water column exactly 155 cm below the water surface. The balance is then connected to a computer with software capable of recording the sediment weights on the capture pan at specific time intervals. Based upon assumptions of grain density, these time intervals correlate to the grain sizes of -2 to $4\ \phi$ (4 to 0.063 mm) at one-half ϕ intervals. As the sample is introduced into the cylinder and makes contact with the water surface, an electrical circuit is completed back to the computer and the computer begins the capture routine. When the capture routine is completed, the computer records and prints grain size data including weight percentages, mean and standard deviation.

Analysis of the fine ($<63\ \mu\text{m}$; 0.063 mm) fraction by the pipette method is also based upon settling rates. After adding a 10% calgon solution (to prevent flocculation) the entire contents (1,000 ml) of each cylinder is stirred for one minute. After waiting twenty seconds, 20 ml is withdrawn at a depth of 20 cm. Based upon Folk (1965) this gives a representative sample of the mud fraction in the cylinder. After one hour and 51 minutes (from the time of stirring), 20 ml is pipetted at a depth of 10 cm, giving a representative sample of the clay fraction (Folk, 1965). Withdrawal times are dependent upon temperature, which was kept constant throughout this investigation. After drying and weighing, each sample is multiplied by a factor of 50 and the calgon weight subtracted, resulting in the weight of both the mud and clay in the sample. The silt weight is calculated by subtracting the clay weight from the mud weight.

Although the decision to analyze the sand/gravel size fractions by two separate methods was governed by laboratory conditions (the laboratory was in the process of converting from sieve to settling tube), the data provide us with an opportunity to compare methodologies. Both have advantages and disadvantages, especially when dealing with mixed carbonate/siliciclastic sediments. The sieve method measures size directly, but assumes spherical grains. While this may be a reasonable assumption for quartz grains, carbonate particles exhibit a variety of shapes. Consequently, results may be misleading. The settling tube, on the other hand measures the settling velocity, which is then converted into grain size. In addition to size, settling velocities can be a reflection of particle shape and density, both of which are highly variable between the two grain types. Consequently, assumptions must be made regarding grain density and shape. Although a conversion factor designed for use with mixed carbonate/siliciclastic sediments (Baba and Komar, 1981) was used in the calculations,

results, once again, may be misleading. Since 20 samples (WFB-94N-61 through WFB-94N-80) were analyzed by both techniques, we can ascertain the comparability between the two methods. Results show that variability in mean grain size determined by the two techniques ranged from 0.04 ϕ to 0.6 ϕ (0.97 to 0.65 mm) and averaged 0.25 ϕ (0.84 mm). Variabilities in standard deviation, a measure of sorting, ranged from 0.09 ϕ to 0.75 ϕ (0.93 to 0.59 mm) with an average of 0.33 ϕ (0.8 mm). Given that precision of 0.1 ϕ (0.91 mm) for a single technique is considered "very good" (Lewis and McConchie, 1994), and the fact that variability in our own lab (for a single technique) can be as great as those discussed here for the two techniques, we consider the data acceptable and comparable for the purposes of this report. However, it should be emphasized that regardless of the technique(s) employed, when considering any grain size data dealing with carbonate sediments, one should proceed with caution.

Percent by weight of calcium carbonate was determined by the acid leaching method (Milliman, 1974). First, the sample is leached using a 10% solution of hydrochloric acid, the liquid decanted off, and the residue washed with deionized water. After repeating the washing process two more times, the sample is dried and weighed. Weight difference before and after the acid leaching represents the amount of calcium carbonate present.

Total organic content (TOC) was determined by the loss on ignition (LOI) method (Dean, 1974). Approximately one gram of the insoluble residue from the calcium carbonate analysis was weighed to four decimal places in a preweighed crucible, placed in a furnace at 550°C for at least one hour, cooled, then weighed again. These weights are then entered into an equation for calculation of percent total organic content. It should be noted that loss on ignition measures total organic **content** and values are not directly comparable to total organic **carbon** values determined by various other methods.

Carbonate mineralogy was determined on 63 samples by X-ray diffraction at the University of South Florida Marine Science Laboratory. Sample selection was based primarily upon location in order to maintain adequate coverage of the study area.

Sediment constituent composition was determined for the carbonate fraction of 60 samples by the whole grain point count method (Carver, 1971). A least 100 carbonate particles were identified under reflected light and percentages calculated. Sample selection was based primarily upon location in order to maintain adequate coverage of the study area.

RESULTS AND DISCUSSION

Results of all analyses are presented in Appendix 1. Grain size data include the methodology used and results are expressed in three different formats. Mean ϕ and standard deviation (a measure of sorting) are probably the most common format used for reporting results, but since west Florida sediments consist of a combination of fine-grained quartz sands and coarse-grained carbonate shell hash, mean ϕ values may be somewhat misleading and tend to represent the relative contribution of each. However, mean ϕ values are suited for mapping, and can provide valuable insight regarding patterns of sediment distribution. Data are also reported as % gravel/sand/mud, and the weight % of each ϕ size interval.

Mean grain size ranges from -1.4 ϕ (2.9 mm; granule) to 5 ϕ (0.03 mm; coarse silt) with an average of 1.5 ϕ (0.375 mm; medium sand). Mean ϕ values (Figs. 4 - 7) show a patchy distribution with no distinct pattern. Sediments appear to exhibit a coarser mean size closer to shore south of Tampa Bay, than they do to the north. South of Tampa Bay, sediments with mean sizes in the 1 - 2 ϕ (0.5 - 0.25 mm; medium sand) range are found immediately adjacent to the shore, whereas north of the Bay these coarse-grained sediments reside 5-15 Km from shore and nearshore sediments average in the 2-3 ϕ (0.25 - 0.125 mm; fine sand) size range.

Calcium carbonate content ranges from 2% to 98% with an average of 56% (Figs. 8 - 11). The non-carbonate fraction consists dominantly of quartz, with subordinant amounts of blackened particles, many of which are interpreted to be phosphatic grains. The carbonate distribution is similar to that of grain size in that south of Tampa Bay relatively high values (generally >50% CaCO_3) are found immediately adjacent to shore. North of the Bay these carbonate-rich sediments reside 5-15 Km offshore and inshore sediments rarely exceed 20% calcium carbonate.

Total organic content (TOC) ranges from 0-13% with an average of less than 1% (Figs. 12 - 15). Values of less than one percent are consistent with those of other shallow continental shelves, and what would be expected in relatively high-energy, shallow-water environments.

As with mean grain size and calcium carbonate content, the distribution is quite patchy and discontinuous. Highest values, many in excess of 3% are located in a roughly shore-normal pattern immediately north of the main channel (northern entrance) into Tampa Bay. North of this area TOC rarely exceeds 2%, especially within 15 km of shore, which consistently exhibits values less than 1%. South of Tampa Bay the distribution appears to be different. Nearshore TOC percentages are consistently higher, especially south of 27.4° N with values in excess of 3% common immediately adjacent to shore.

Carbonate mineralogy results are expressed as the relative percents of low-magnesium calcite (LMC), high-magnesium calcite (HMC), and aragonite (ARA) (Appendix 1). Low-magnesium calcite is defined as containing less than 4 mole %

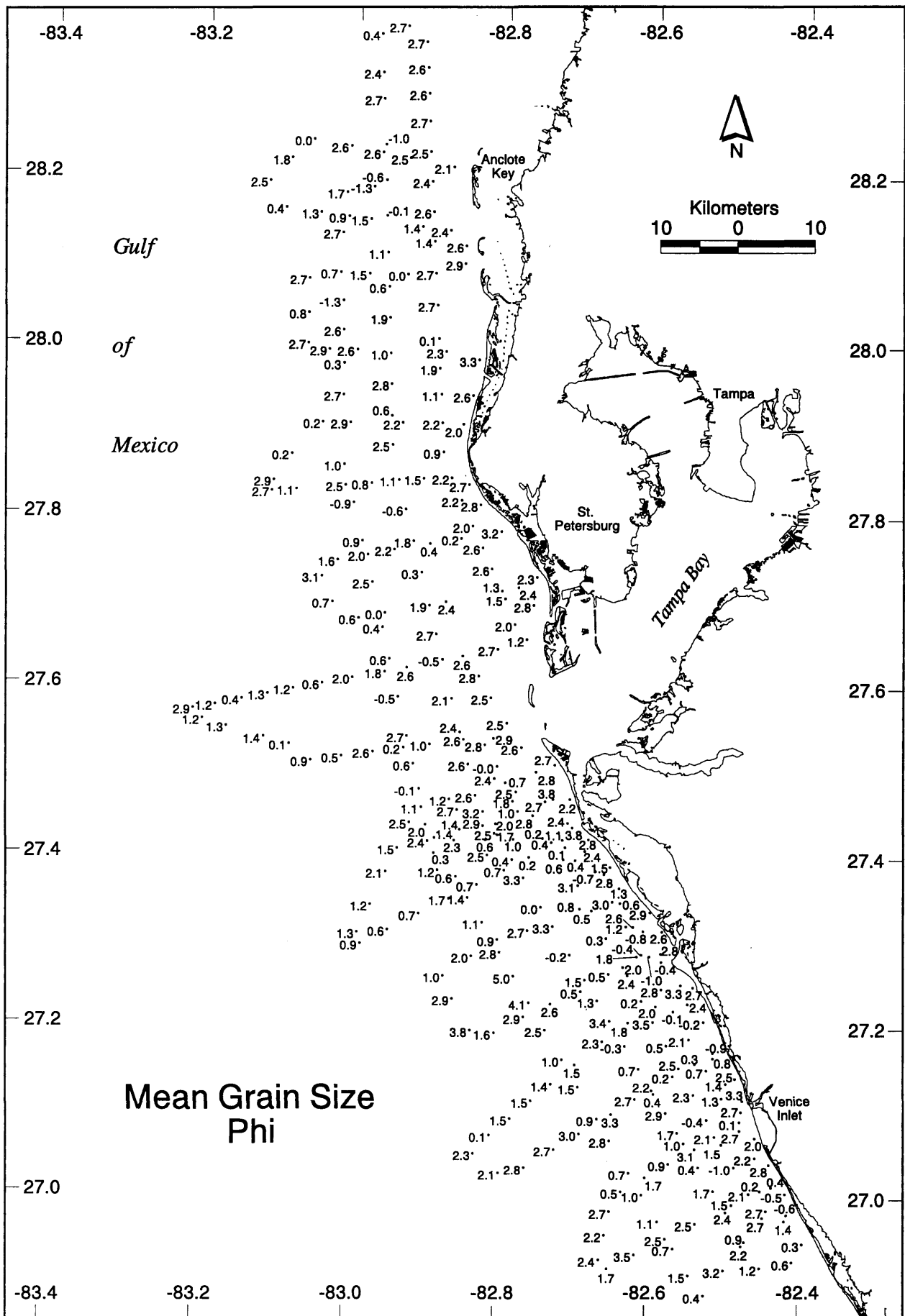


Fig. 4. Map of entire study area showing mean grain size values in phi units.

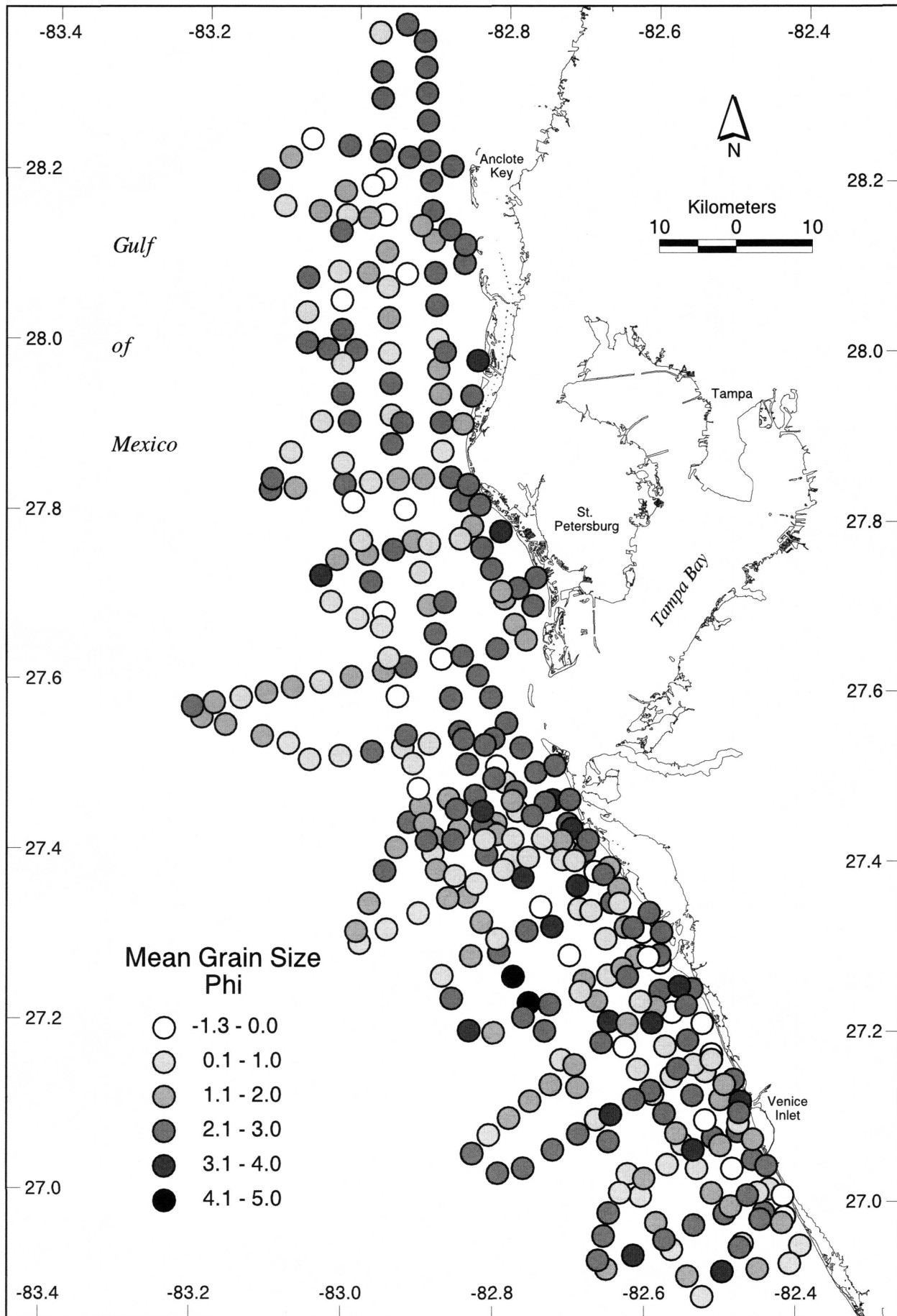


Fig. 5. Map of entire study area showing mean grain size distribution.

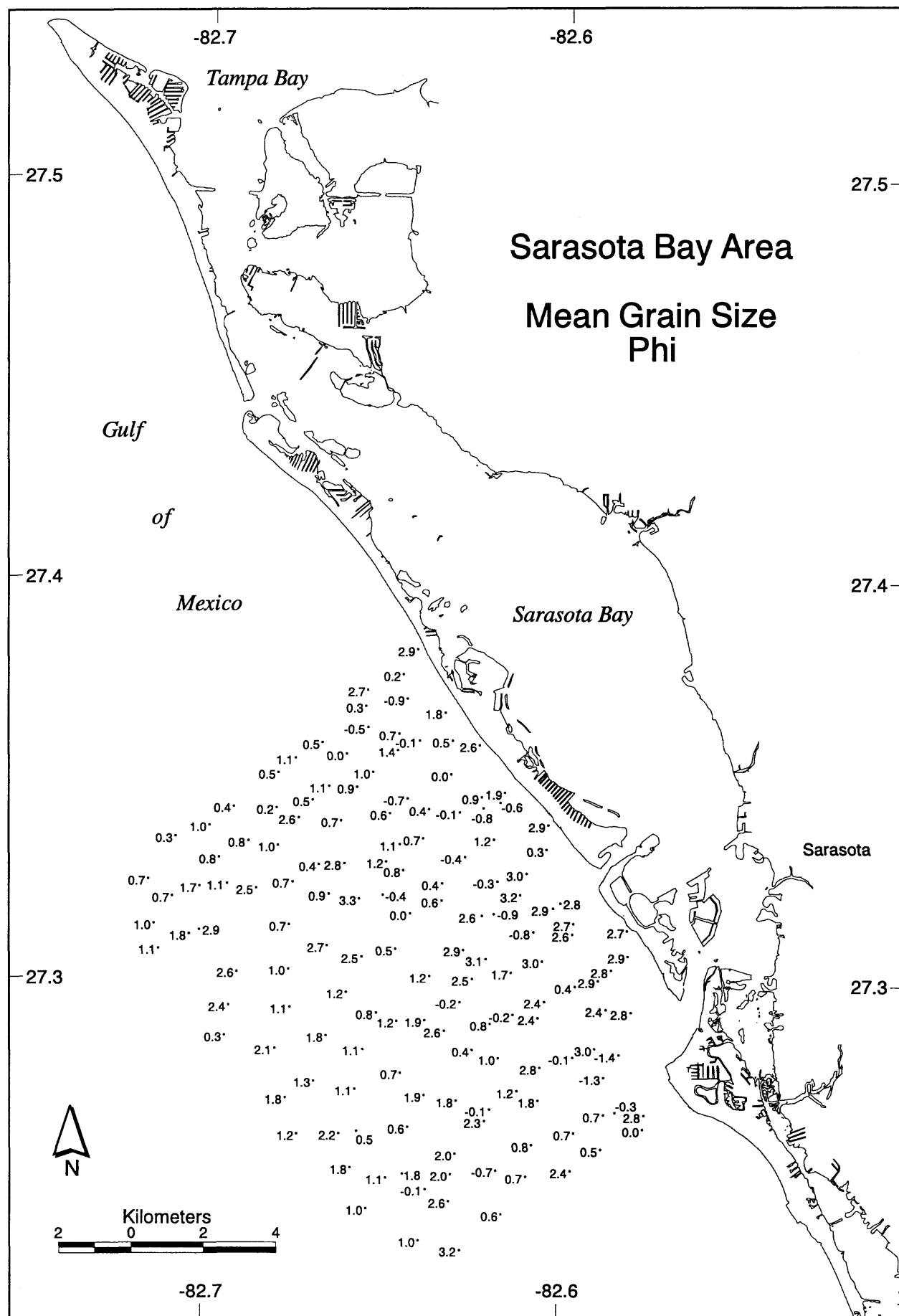


Fig. 6. Map of area of concentration showing mean grain size values in phi units.

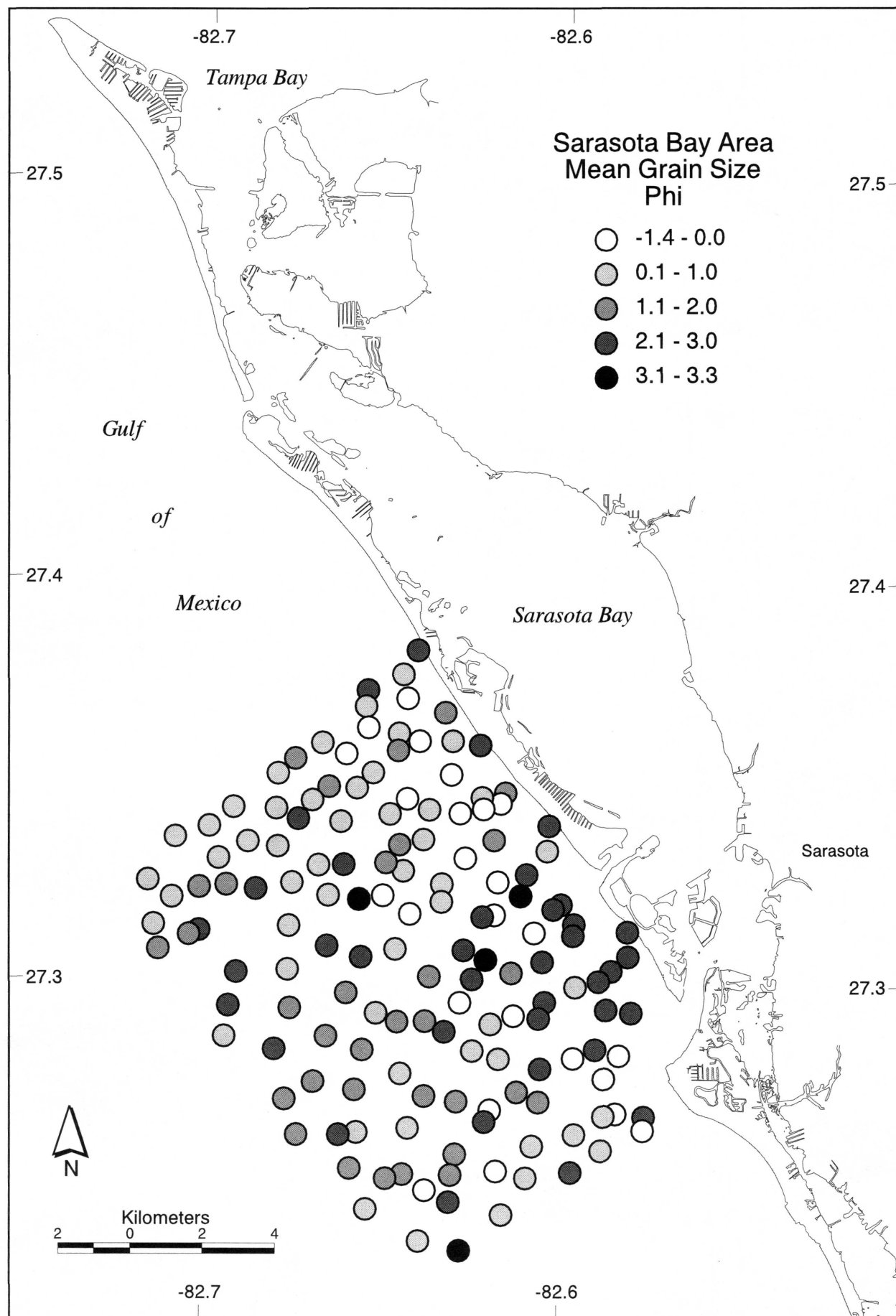


Fig. 7. Map of area of concentration showing mean grain size distribution.

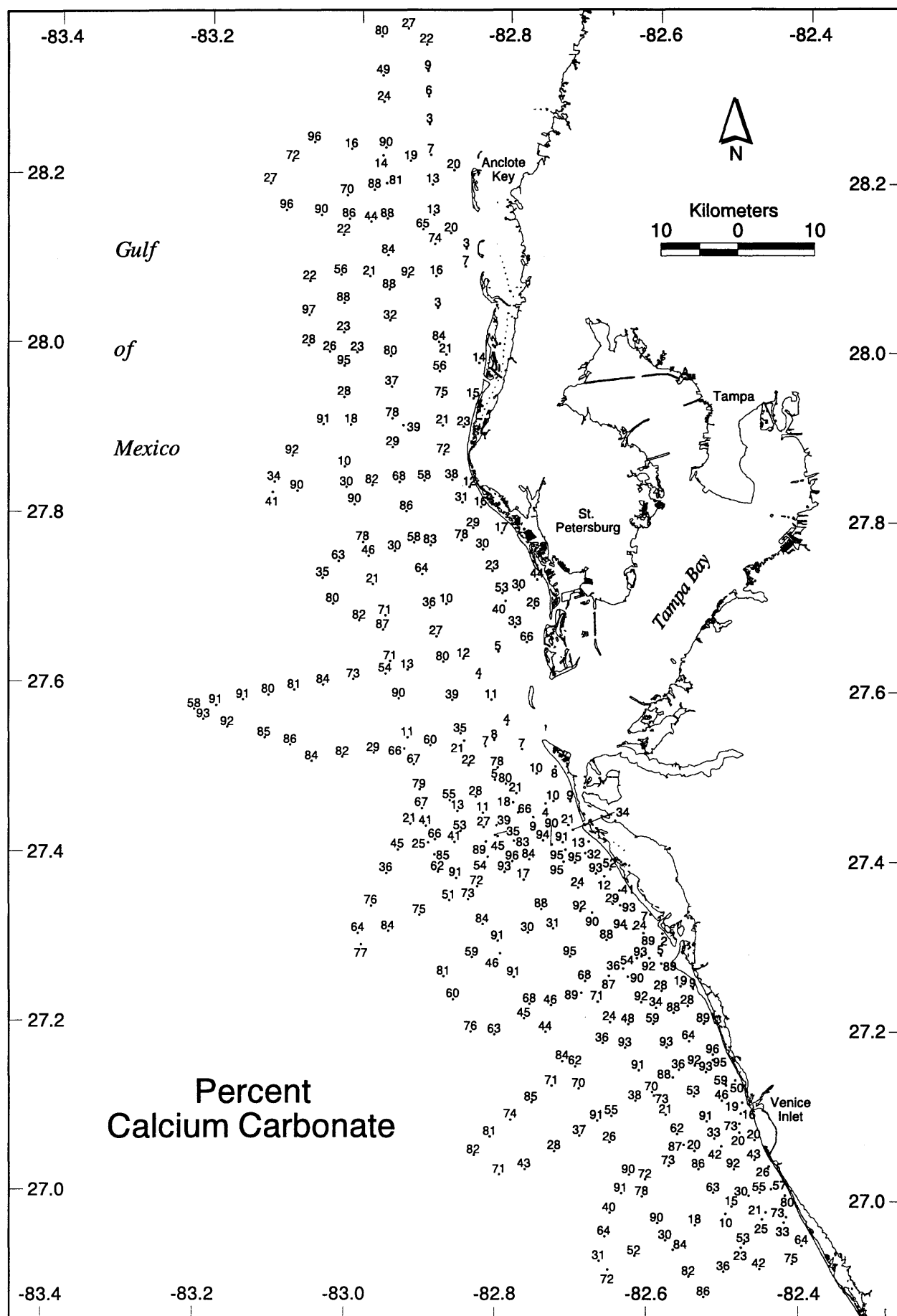


Fig. 8. Map of entire study area showing percent calcium carbonate.

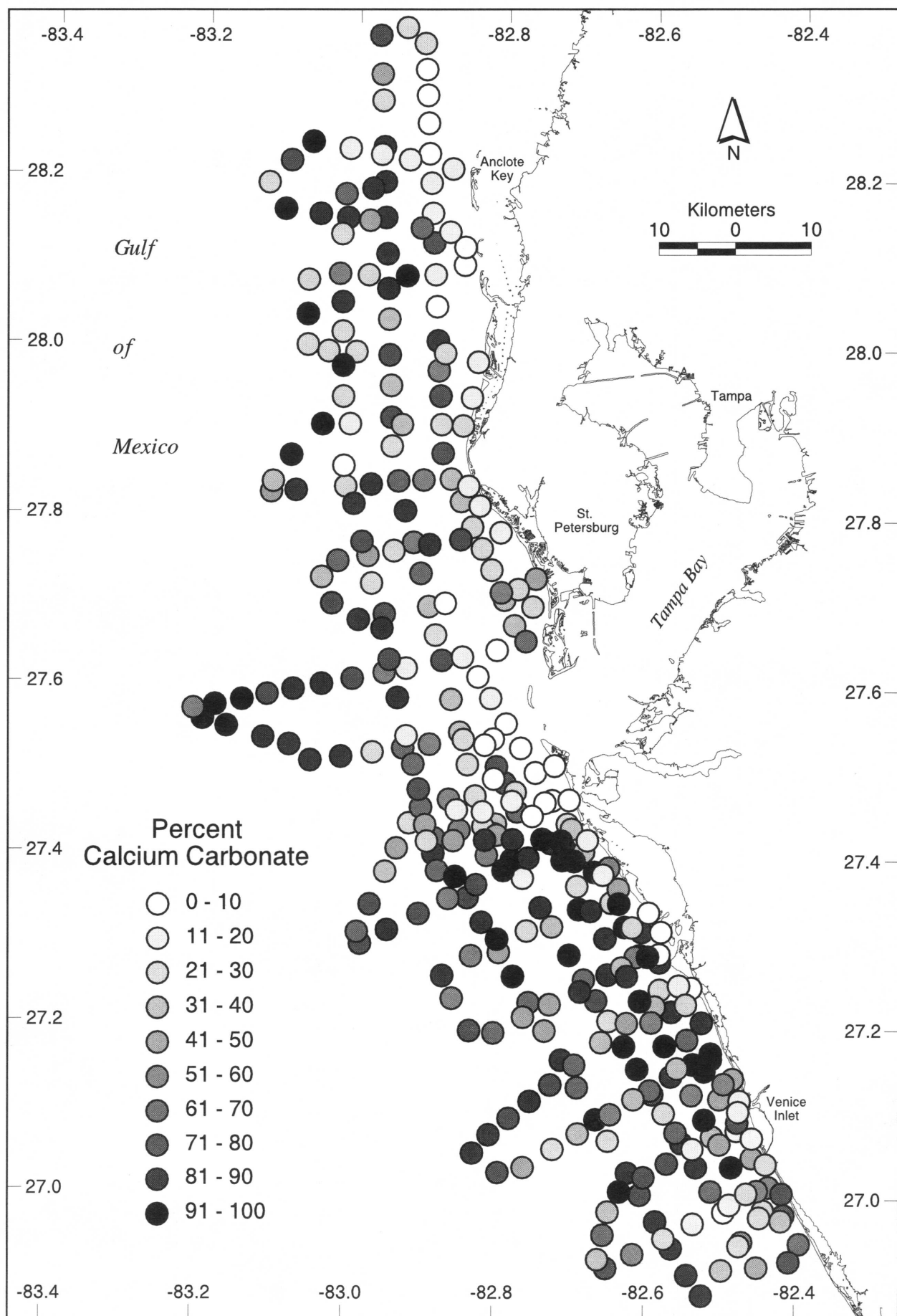


Fig. 9. Map of entire study area showing calcium carbonate distribution.

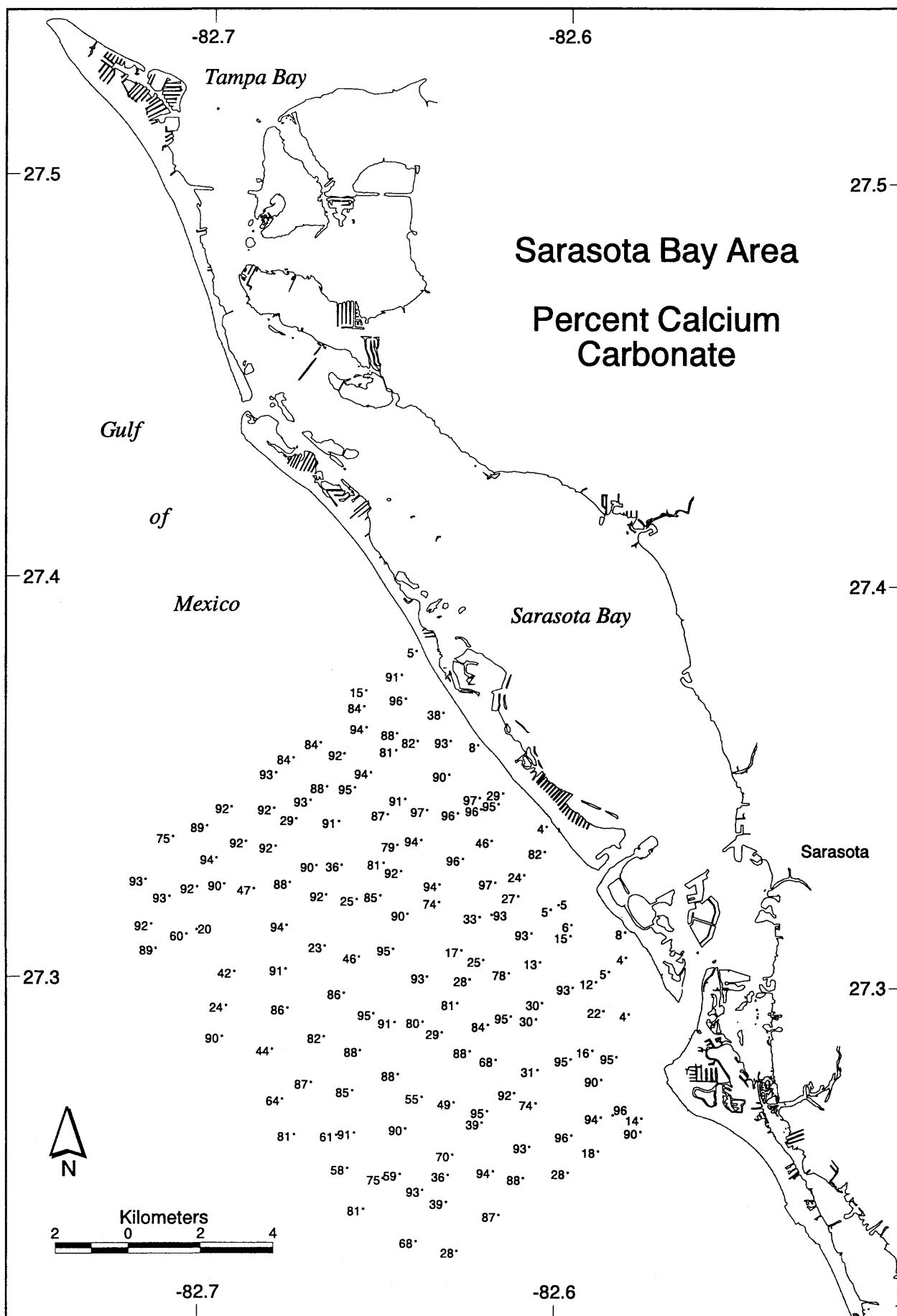


Fig. 10. Map of area of concentration showing percent calcium carbonate.

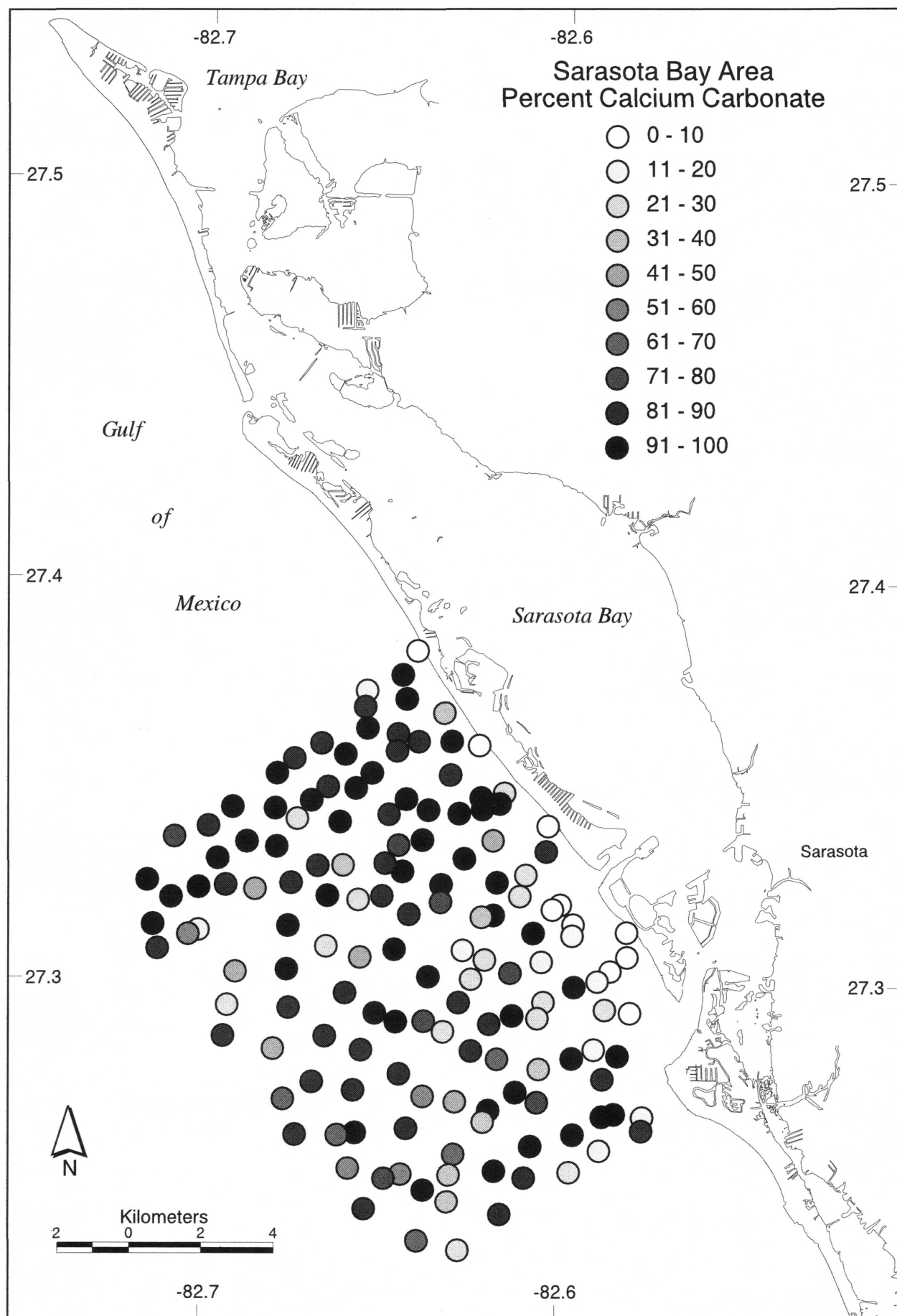


Fig. 11. Map of area of concentration showing calcium carbonate distribution.

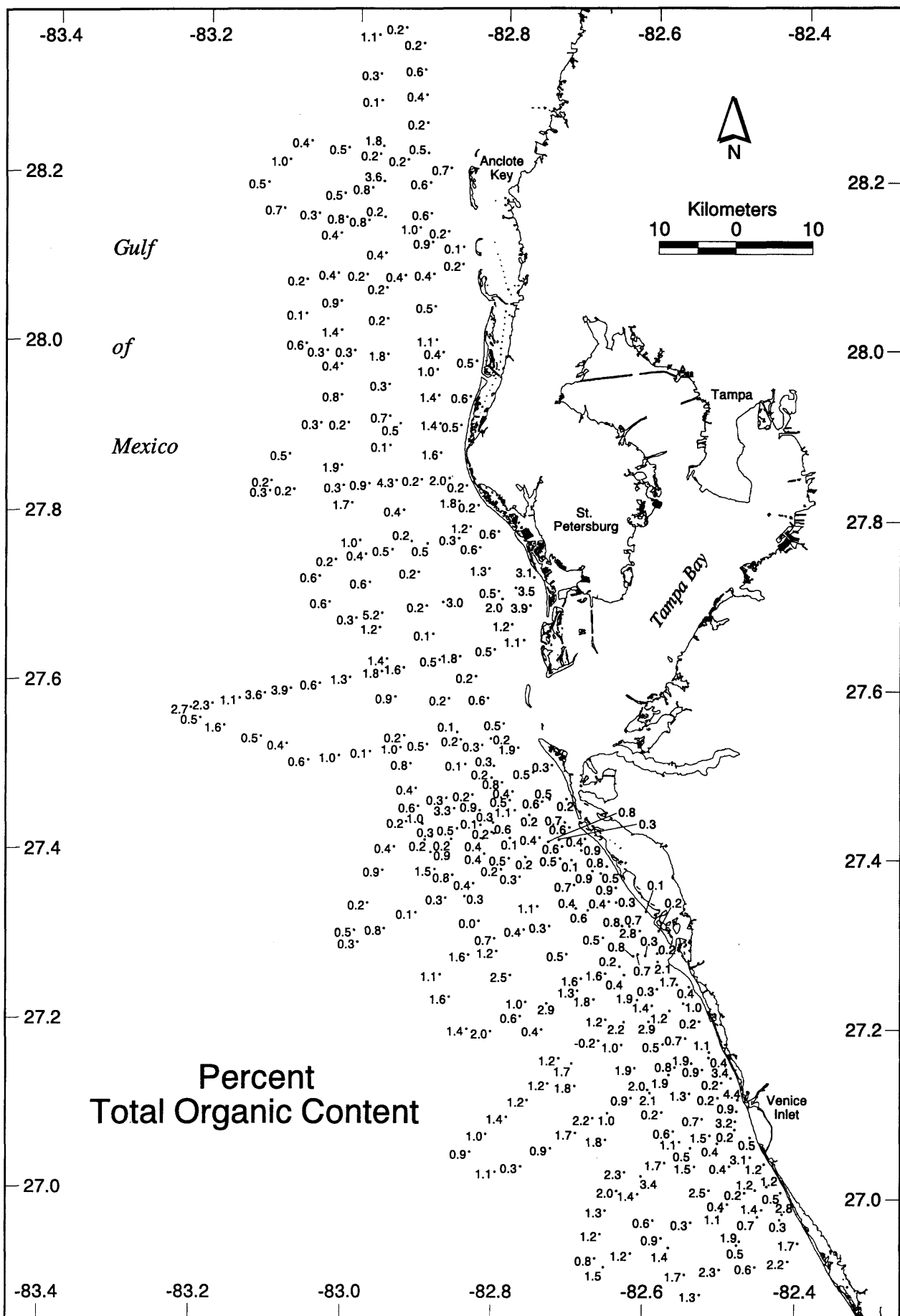


Fig. 12. Map of entire study area showing percent Total Organic Content (TOC).

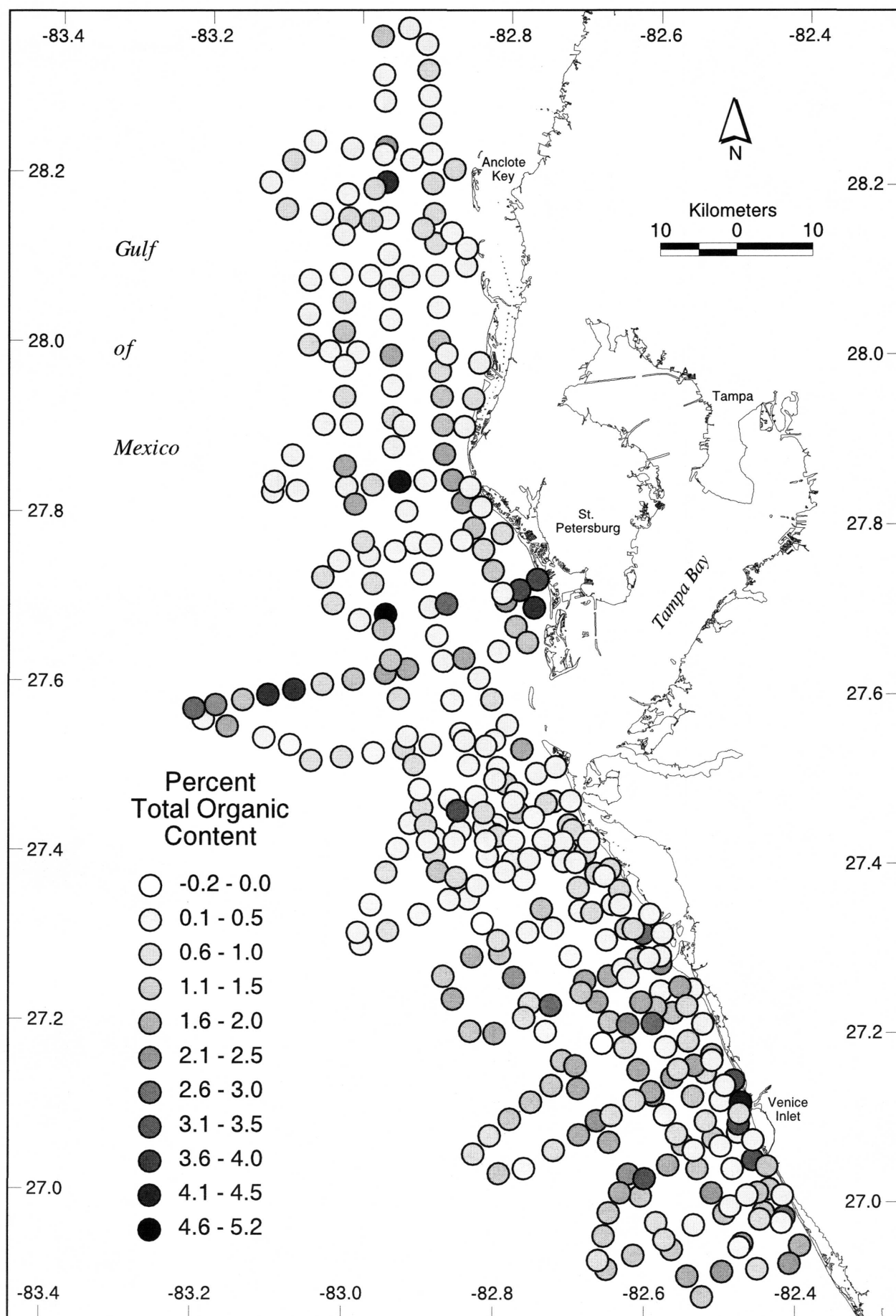


Fig. 13. Map of entire study area showing Total Organic Content (TOC) distribution.

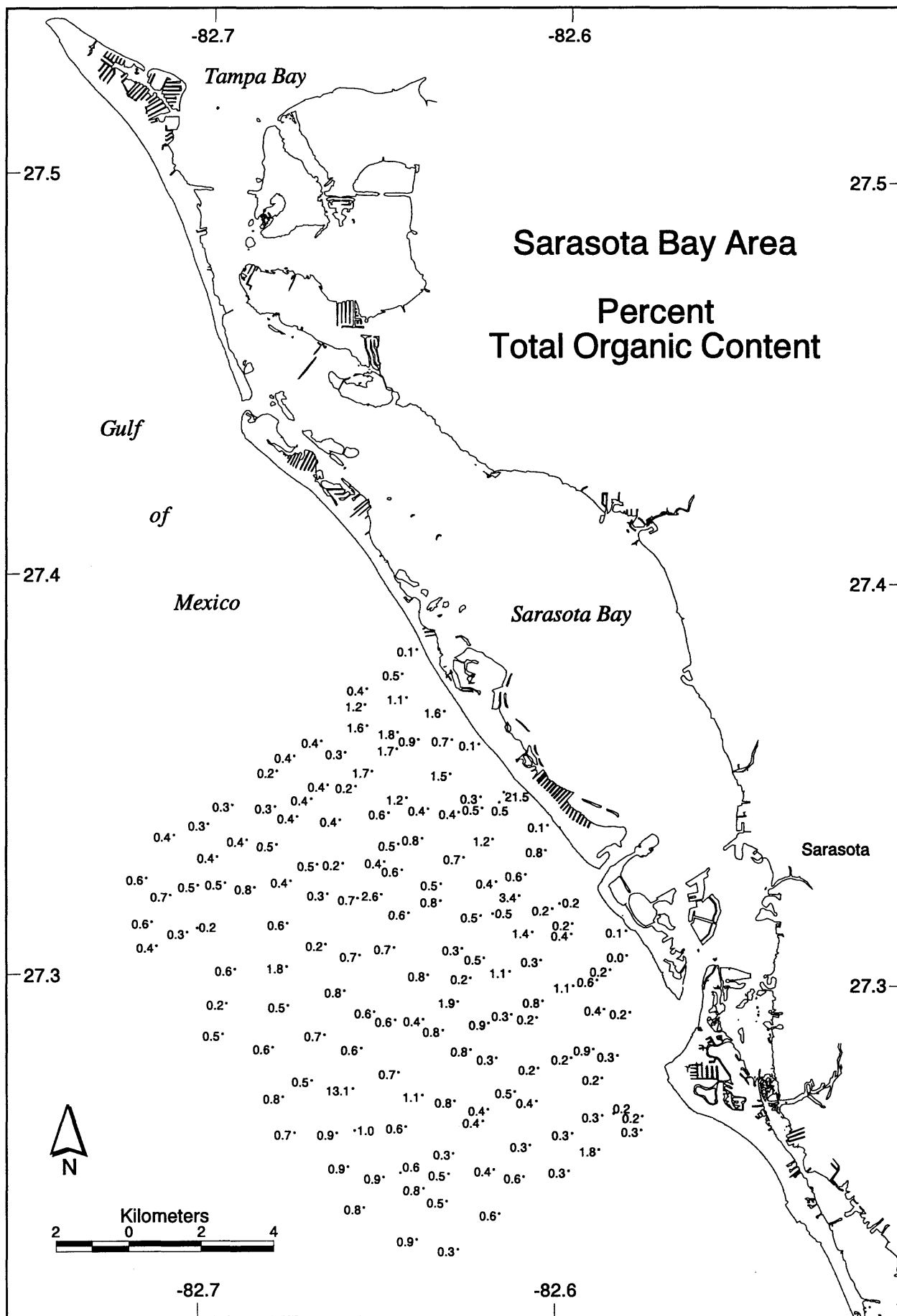


Fig. 14. Map of area of concentration showing percent Total Organic Content (TOC).

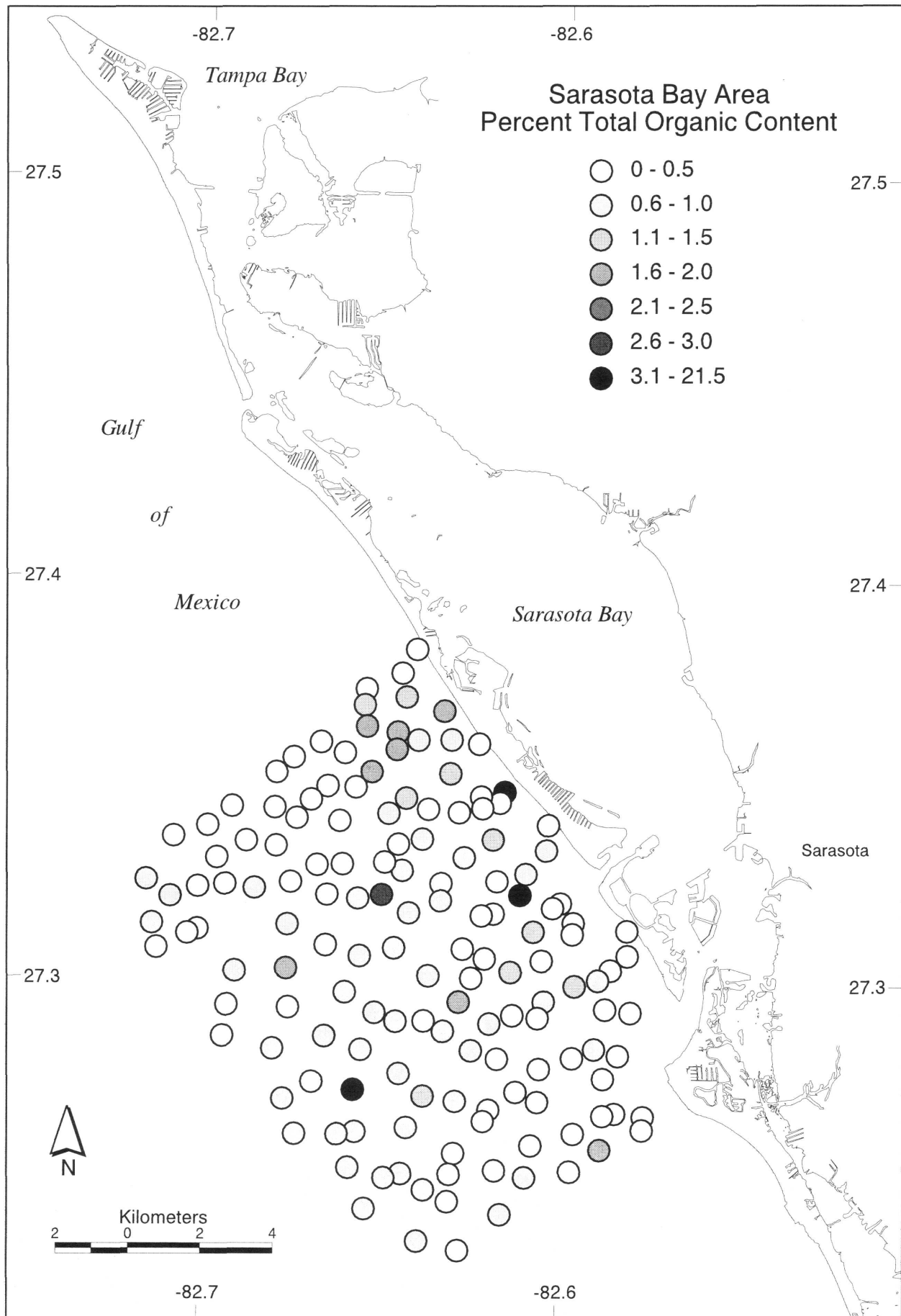


Fig. 15. Map of area of concentration showing Total Organic Content (TOC) distribution.

MgCO₃, and high-magnesium calcite is defined as containing greater than 10 mole % MgCO₃ (Bathurst, 1975). Aragonite is the dominant carbonate mineral present often making up more than 90% of the carbonate fraction, followed by low-magnesium calcite at rarely over 25%. High-magnesium calcite is rarely present, but can reach up to 50% of the carbonate fraction. The distribution of carbonate minerals in surface sediments (Fig. 16) exhibits no distinct patterns. Aragonite is the dominant mineral throughout the study area, with the exception of a few sites in the northern portion and at the mouth of Tampa Bay where low magnesium calcite dominates. High-magnesium calcite is never the dominant carbonate mineral, but is present in significant percentages (often greater than 20%) in many of the samples collected north of 27.8°N.

Sediment constituents of the carbonate fraction consist dominantly of mollusc fragments with subordinant amounts of benthic foraminifera (Fig. 17). The "Other" category consists of trace amounts of echinoids, annelids, arthropods, bryozoa, and algae. Mollusc fragments consistently account for greater than 50% of the sand-sized sediments throughout the study area. This distribution is consistent with the sediment composition throughout the west Florida shelf (Brooks and Doyle, 1991).

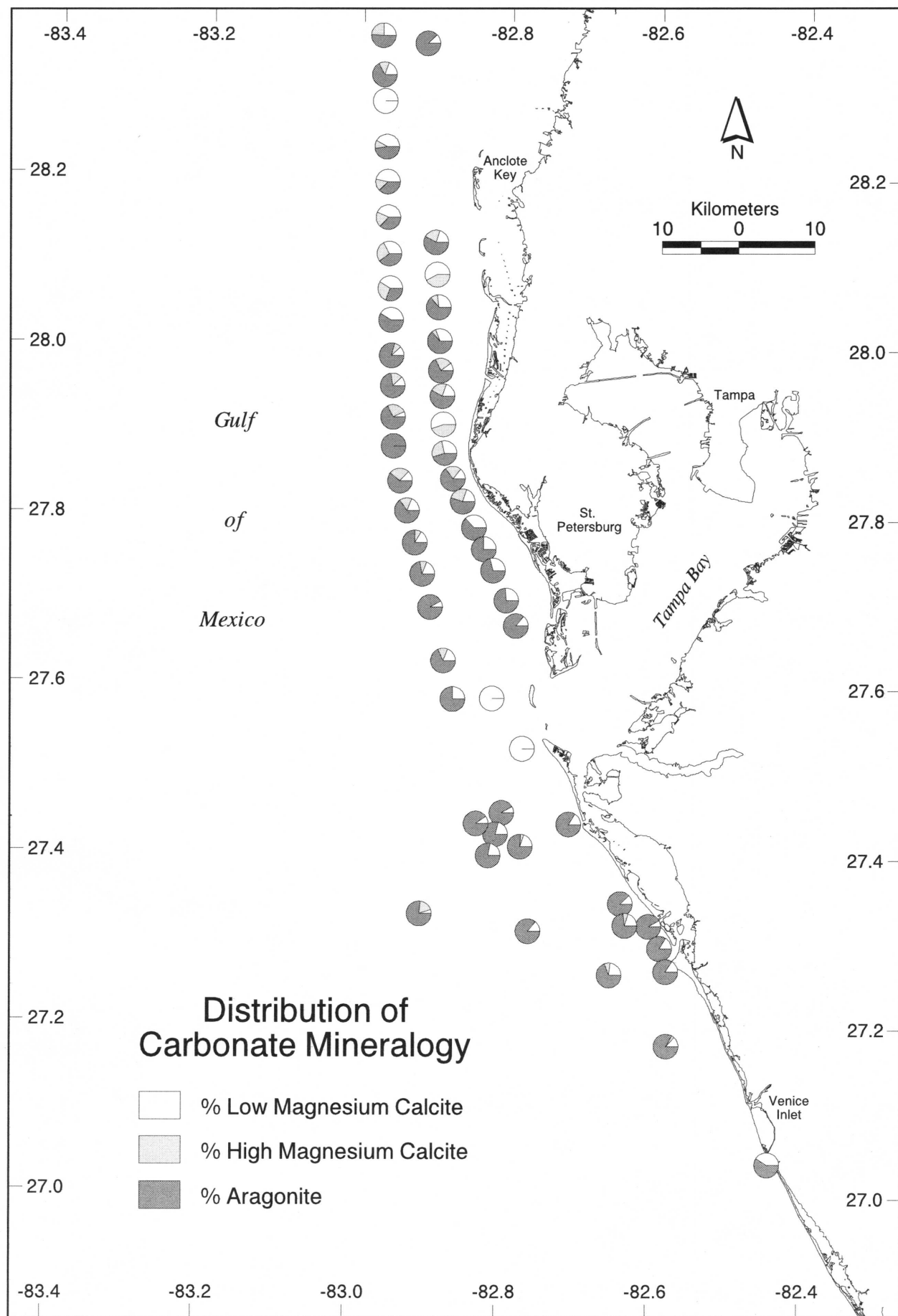


Fig. 16. Map of entire study area showing distribution of carbonate mineralogy.

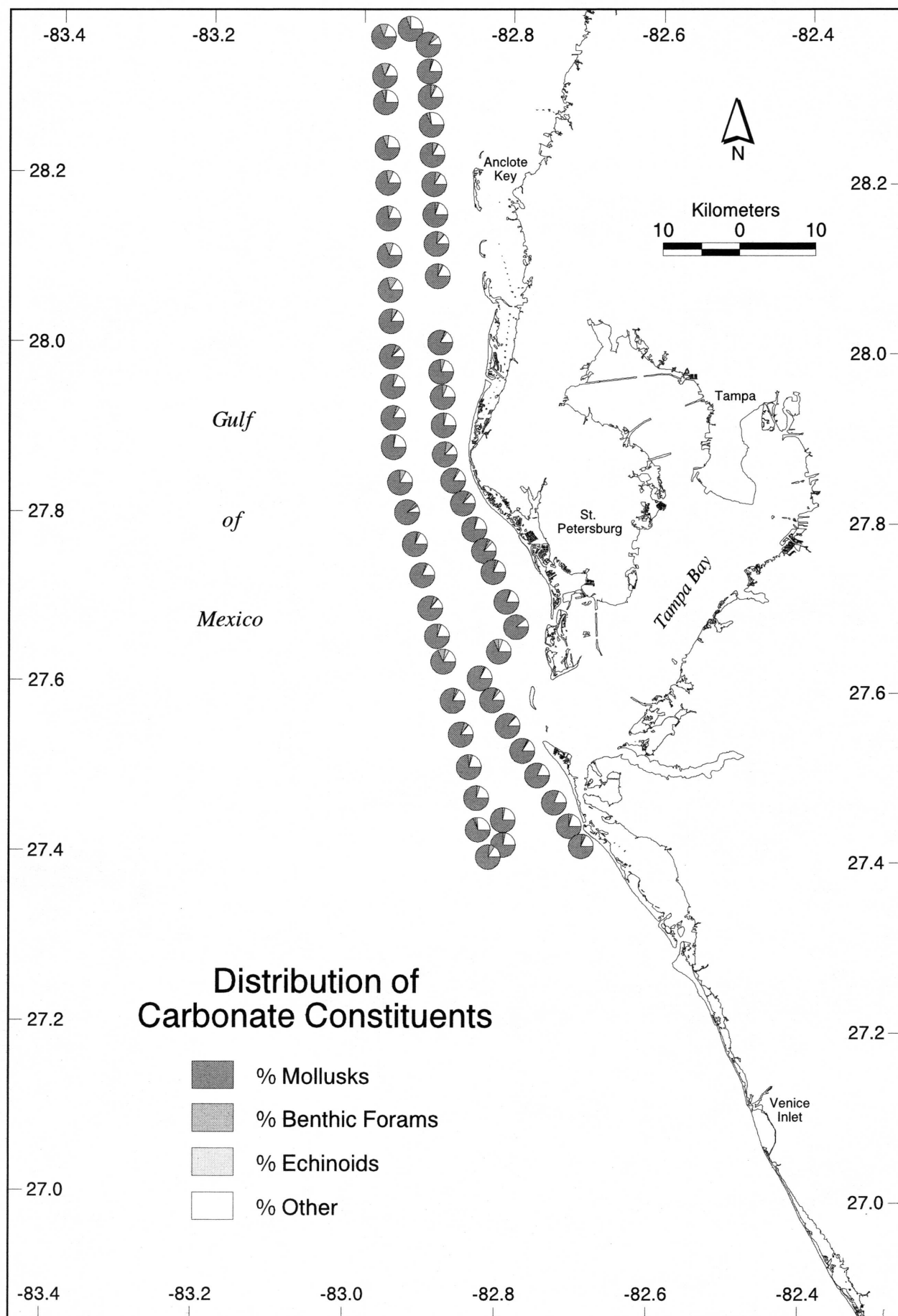


Fig. 17. Map of entire study area showing distribution of carbonate constituents.

Sediment Distribution

Surface sediments on the west-central Florida inner continental shelf consist of a variable mixture of quartz and carbonate, with minor amounts of phosphatic grains and organic matter. The carbonate fraction consists primarily of aragonite and is dominated by mollusc fragments. The distribution is patchy and discontinuous with isolated deposits of relatively coarse-grained, carbonate-rich (often greater than 60% CaCO_3) coarse sands and gravels, alternating with relatively fine-grained, carbonate-poor (often less than 30% CaCO_3) fine sands and silts. These isolated sediment patches appear to have distinctive characteristics and exhibit no continuity with adjacent deposits. Often these deposits are surrounded by outcropping limestones from the underlying platform surface.

The coarse-grained, carbonate-rich sediments appear to be more abundant south of Tampa Bay, especially immediately adjacent to shore, with medium-coarse sands commonly consisting of greater than 70% CaCO_3 . North of Tampa Bay these coarse-grained, carbonate-rich sediments are less abundant and displaced farther offshore. Nearshore sediments are characterized by fine-grained sands with rarely more than 10% CaCO_3 . This shore-parallel pattern suggests a lack of quartz sand input south of Tampa Bay. No shore-normal patterns are recognized except for a possible tendency toward higher calcium carbonate percentages near the western (offshore) boundary of the study area. Carbonate mineralogy and sediment constituent distribution shows little variation as aragonite-rich sediments dominated by mollusc fragments are found throughout the study area. Organic content in sediments is consistently low, but shows a patchy distribution, except for the elevated values north of Tampa Bay. The significance of these elevated values is uncertain at this time.

The wide variety of size and composition of inner-shelf sediments, as well as the patchy distribution, demonstrates that the nearshore quartz sand band described by Doyle and Sparks (1980) is, in actuality, a complex mixture of quartz and carbonate sands and gravels. The increased sampling resolution gives us the opportunity to "fine tune" present depositional models and more accurately determine controls on nearshore sedimentary development.

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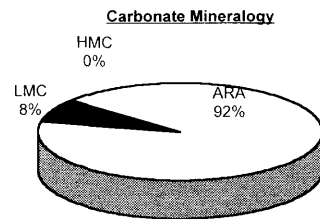
Appendix 1. Sedimentologic data for all sample sites. Refer to Figs. 2 and 3 for site locations.

Sample**J1**

Latitude 27 °26.288'
 Longitude 82 °48.358'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.94
-1 - 0	1.00 - 2.00	6.17
0 - 1	.5 - 1.00	9.47
1 - 2	.25 - .50	15.09
2 - 3	.125 - .25	62.46
3 - 4	.0625 - .125	5.62
4 - 5	.031 - .0625	0.03
5 - 6	.0156 - .031	0.03
6 - 7	.0078 - .0156	0.03
7 - 8	.0039 - .0078	0.03
8<	<.0039	0.15

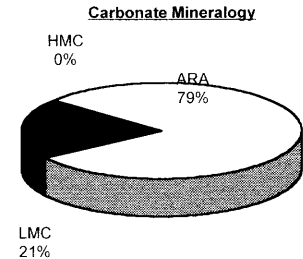
Mean Phi 2.01
 Std. Dev. 1.06
 %Gravel 0.94
 %Sand 98.81
 %Mud 0.27
 %CaCO₃ 37.96
 %TOC 0.34

**Sample****J2**

Latitude 27 °25.601'
 Longitude 82 °48.457'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.93
-1 - 0	1.00 - 2.00	3.34
0 - 1	.5 - 1.00	5.2
1 - 2	.25 - .50	8.82
2 - 3	.125 - .25	58.11
3 - 4	.0625 - .125	22.09
4 - 5	.031 - .0625	0.2
5 - 6	.0156 - .031	0.2
6 - 7	.0078 - .0156	0.2
7 - 8	.0039 - .0078	0.2
8<	<.0039	0.72

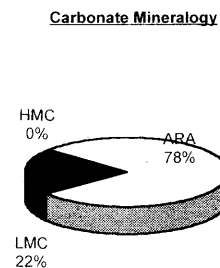
Mean Phi 2.46
 Std. Dev. 1.15
 %Gravel 0.93
 %Sand 97.56
 %Mud 1.52
 %CaCO₃ 34.67
 %TOC 0.23

**Sample****J3**

Latitude 27 °24.070'
 Longitude 82 °49.017'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.62
-1 - 0	1.00 - 2.00	1.41
0 - 1	.5 - 1.00	3.38
1 - 2	.25 - .50	8.37
2 - 3	.125 - .25	68.09
3 - 4	.0625 - .125	16.79
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	1

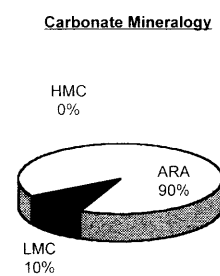
Mean Phi 2.52
 Std. Dev. 1.01
 %Gravel 0.62
 %Sand 98.04
 %Mud 1.32
 %CaCO₃ 53.55
 %TOC 0.35

**Sample****J4**

Latitude 27 °26.124'
 Longitude 82 °49.380'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.05
-1 - 0	1.00 - 2.00	0.32
0 - 1	.5 - 1.00	0.6
1 - 2	.25 - .50	1.89
2 - 3	.125 - .25	55.16
3 - 4	.0625 - .125	40.24
4 - 5	.031 - .0625	0.39
5 - 6	.0156 - .031	0.39
6 - 7	.0078 - .0156	0.39
7 - 8	.0039 - .0078	0.39
8<	<.0039	0.19

Mean Phi 2.93
 Std. Dev. 0.76
 %Gravel 0.05
 %Sand 98.21
 %Mud 1.75
 %CaCO₃ 27.29
 %TOC 0.12



Sample**J5**

Latitude 27 ° 28.260'
 Longitude 82 ° 50.032'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.91
-1 - 0	1.00 - 2.00	0.48
0 - 1	.5 - 1.00	0.75
1 - 2	.25 - .50	3.3
2 - 3	.125 - .25	75.08
3 - 4	.0625 - .125	18.97
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.62

Mean Phi 2.62
 Std. Dev. 0.8
 %Gravel 0.91
 %Sand 98.58
 %Mud 0.62
 %CaCO₃ 28.25
 %TOC 0.17

Sample**J6**

Latitude 27 ° 30.444'
 Longitude 82 ° 50.661'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.17
-1 - 0	1.00 - 2.00	0.73
0 - 1	.5 - 1.00	0.95
1 - 2	.25 - .50	1.54
2 - 3	.125 - .25	81.14
3 - 4	.0625 - .125	14.46
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	0.74

Mean Phi 2.63
 Std. Dev. 0.76
 %Gravel 0.17
 %Sand 98.82
 %Mud 1.02
 %CaCO₃ 22.18
 %TOC 0.1

Sample**J7**

Latitude 27 ° 32.719'
 Longitude 82 ° 51'.345'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.34
-1 - 0	1.00 - 2.00	2.12
0 - 1	.5 - 1.00	3.69
1 - 2	.25 - .50	9.61
2 - 3	.125 - .25	69.82
3 - 4	.0625 - .125	12.85
4 - 5	.031 - .0625	0.13
5 - 6	.0156 - .031	0.13
6 - 7	.0078 - .0156	0.13
7 - 8	.0039 - .0078	0.13
8<	<.0039	0.04

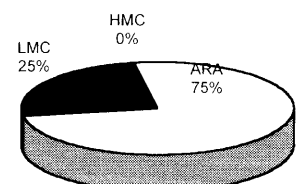
Mean Phi 2.36
 Std. Dev. 0.92
 %Gravel 1.34
 %Sand 98.09
 %Mud 0.56
 %CaCO₃ 34.65
 %TOC 0.14

Sample**J8**

Latitude 27 ° 35.075'
 Longitude 82 ° 52.047'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	7.67
-1 - 0	1.00 - 2.00	8.37
0 - 1	.5 - 1.00	5.45
1 - 2	.25 - .50	5.2
2 - 3	.125 - .25	40.65
3 - 4	.0625 - .125	32.16
4 - 5	.031 - .0625	0.2
5 - 6	.0156 - .031	0.2
6 - 7	.0078 - .0156	0.2
7 - 8	.0039 - .0078	0.2
8<	<.0039	-0.32

Mean Phi 2.11
 Std. Dev. 1.55
 %Gravel 7.67
 %Sand 91.83
 %Mud 0.48
 %CaCO₃ 38.9
 %TOC 0.25

Carbonate Mineralogy

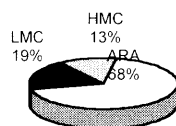
Sample J9

Latitude 27 °3'.815'
 Longitude 82 °52.850'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	42.84
-1 - 0	1.00 - 2.00	34.42
0 - 1	.5 - 1.00	13.59
1 - 2	.25 - .50	2.79
2 - 3	.125 - .25	4.09
3 - 4	.0625 - .125	0
4 - 5	.031 - .0625	0.64
5 - 6	.0156 - .031	0.64
6 - 7	.0078 - .0156	0.64
7 - 8	.0039 - .0078	0.64
8<	<.0039	0

Carbonate Mineralogy

Mean Phi -0.47
 Std. Dev. 1.38
 %Gravel 42.84
 %Sand 54.89
 %Mud 2.56
 %CaCO₃ 79.7
 %TOC 0.51

**Sample J10**

Latitude 27 °39.606'
 Longitude 82 °53.382'
 Water Depth ND

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.07
-1 - 0	1.00 - 2.00	1.12
0 - 1	.5 - 1.00	1.97
1 - 2	.25 - .50	4.29
2 - 3	.125 - .25	63.86
3 - 4	.0625 - .125	28.8
4 - 5	.031 - .0625	0.17
5 - 6	.0156 - .031	0.17
6 - 7	.0078 - .0156	0.17
7 - 8	.0039 - .0078	0.17
8<	<.0039	0

Mean Phi 2.65
 Std. Dev. 0.56
 %Gravel 0.07
 %Sand 100.02
 %Mud 0.68
 %CaCO₃ 26.66
 %TOC 0.1

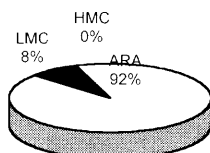
Sample J11

Latitude 27 °41'.604'
 Longitude 82 °53.966'
 Water Depth 10.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.85
-1 - 0	1.00 - 2.00	5.18
0 - 1	.5 - 1.00	9.61
1 - 2	.25 - .50	24.77
2 - 3	.125 - .25	48.17
3 - 4	.0625 - .125	9.94
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	0

Carbonate Mineralogy

Mean Phi 1.85
 Std. Dev. 0.99
 %Gravel 2.85
 %Sand 97.67
 %Mud 0.28
 %CaCO₃ 36.48
 %TOC 0.19

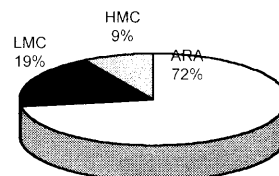
**Sample J12**

Latitude 27 °43.952'
 Longitude 82 °54.636'
 Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	10.08
-1 - 0	1.00 - 2.00	18.7
0 - 1	.5 - 1.00	47.91
1 - 2	.25 - .50	21.91
2 - 3	.125 - .25	1.79
3 - 4	.0625 - .125	0.27
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	0

Carbonate Mineralogy

Mean Phi 0.32
 Std. Dev. 0.63
 %Gravel 10.08
 %Sand 90.58
 %Mud 0.16
 %CaCO₃ 64.44
 %TOC 0.25



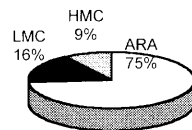
Sample J13

Latitude 27 °46.140'
 Longitude 82 °55.273'
 Water Depth 11.3m

Phi	Millimeters	Weight %
>-1	>2.00	0.49
-1 - 0	1.00 - 2.00	2.68
0 - 1	.5 - 1.00	10.4
1 - 2	.25 - .50	38.43
2 - 3	.125 - .25	48.09
3 - 4	.0625 - .125	0
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	0

Carbonate Mineralogy

Mean Phi 1.8
 Std. Dev. 0.74
 %Gravel 0.49
 %Sand 99.6
 %Mud 0.2
 %CaCO₃ 57.52
 %TOC 0.22

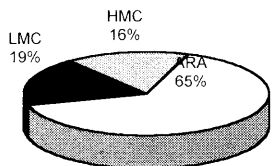
**Sample J14**

Latitude 27 °48.380'
 Longitude 82 °55.943'
 Water Depth 9.1m

Phi	Millimeters	Weight %
>-1	>2.00	42.93
-1 - 0	1.00 - 2.00	31.11
0 - 1	.5 - 1.00	17.09
1 - 2	.25 - .50	7.75
2 - 3	.125 - .25	1.52
3 - 4	.0625 - .125	0.32
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0

Carbonate Mineralogy

Mean Phi -0.61
 Std. Dev. 0.73
 %Gravel 42.93
 %Sand 57.79
 %Mud 0
 %CaCO₃ 86.49
 %TOC 0.38

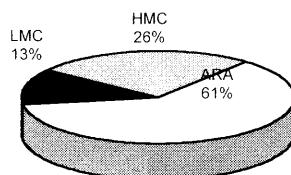
**Sample J15**

Latitude 27 °50.469'
 Longitude 82 °56.545'
 Water Depth 7.7m

Phi	Millimeters	Weight %
>-1	>2.00	8.53
-1 - 0	1.00 - 2.00	13.4
0 - 1	.5 - 1.00	19.35
1 - 2	.25 - .50	29.85
2 - 3	.125 - .25	27.93
3 - 4	.0625 - .125	1.22
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	0

Carbonate Mineralogy

Mean Phi 1.06
 Std. Dev. 1.2
 %Gravel 8.53
 %Sand 91.75
 %Mud 0.24
 %CaCO₃ 67.95
 %TOC 4.28

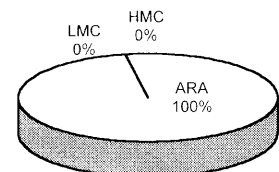
**Sample J16**

Latitude 27 °52.939'
 Longitude 82 °57.106'
 Water Depth 6.7m

Phi	Millimeters	Weight %
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.38
0 - 1	.5 - 1.00	1.26
1 - 2	.25 - .50	6.06
2 - 3	.125 - .25	80.86
3 - 4	.0625 - .125	11.17
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	0

Carbonate Mineralogy

Mean Phi 2.52
 Std. Dev. 0.54
 %Gravel 0
 %Sand 99.73
 %Mud 0.28
 %CaCO₃ 28.64
 %TOC 0.07



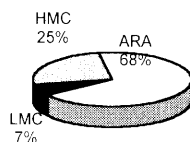
Sample **J17**

Latitude 27 °54.998'
Longitude 82 °57.194'
Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	20.46
-1 - 0	1.00 - 2.00	13.67
0 - 1	.5 - 1.00	23.85
1 - 2	.25 - .50	17.91
2 - 3	.125 - .25	20.83
3 - 4	.0625 - .125	3.02
4 - 5	.031 - .0625	0.16
5 - 6	.0156 - .031	0.16
6 - 7	.0078 - .0156	0.16
7 - 8	.0039 - .0078	0.16
8 <	<.0039	0

Carbonate Mineralogy

Mean Phi 0.64
Std. Dev. 1.47
%Gravel 20.46
%Sand 79.28
%Mud 0.64
%CaCO₃ 78.36
%TOC 0.7

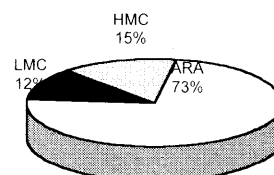
**Sample** **J18**

Latitude 27 °5'.237'
Longitude 82 °57.272'
Water Depth 7.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.06
-1 - 0	1.00 - 2.00	0.3
0 - 1	.5 - 1.00	1.75
1 - 2	.25 - .50	4.11
2 - 3	.125 - .25	59.66
3 - 4	.0625 - .125	32.25
4 - 5	.031 - .0625	0.16
5 - 6	.0156 - .031	0.16
6 - 7	.0078 - .0156	0.16
7 - 8	.0039 - .0078	0.16
8 <	<.0039	1.22

Carbonate Mineralogy

Mean Phi 2.83
Std. Dev. 0.94
%Gravel 0.06
%Sand 98.07
%Mud 1.86
%CaCO₃ 36.62
%TOC 0.31

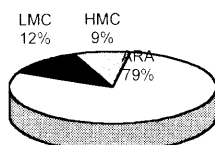
**Sample** **J19**

Latitude 27 °59.370'
Longitude 82 °57.401'
Water Depth 10.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.03
-1 - 0	1.00 - 2.00	9.29
0 - 1	.5 - 1.00	43.93
1 - 2	.25 - .50	33.98
2 - 3	.125 - .25	8.57
3 - 4	.0625 - .125	1.09
4 - 5	.031 - .0625	0.1
5 - 6	.0156 - .031	0.1
6 - 7	.0078 - .0156	0.1
7 - 8	.0039 - .0078	0.1
8 <	<.0039	0.71

Carbonate Mineralogy

Mean Phi 0.99
Std. Dev. 1.14
%Gravel 2.03
%Sand 96.86
%Mud 1.11
%CaCO₃ 80.5
%TOC 1.78

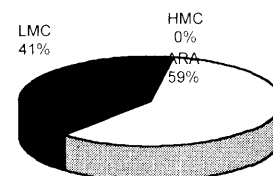
**Sample** **J20**

Latitude 28 °01.874'
Longitude 82 °57.496'
Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.45
-1 - 0	1.00 - 2.00	5.06
0 - 1	.5 - 1.00	8.31
1 - 2	.25 - .50	10.48
2 - 3	.125 - .25	76.61
3 - 4	.0625 - .125	0
4 - 5	.031 - .0625	0.27
5 - 6	.0156 - .031	0.27
6 - 7	.0078 - .0156	0.27
7 - 8	.0039 - .0078	0.27
8 <	<.0039	0

Carbonate Mineralogy

Mean Phi 1.88
Std. Dev. ND
%Gravel 1.45
%Sand 100.5
%Mud 1.08
%CaCO₃ 32.08
%TOC 0.22



Sample**N137**

Latitude	27 °25.010'	
Longitude	82 °53.821'	
Water Depth	14.3m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.27
-1	2	0.79
-0.5	1.41	0.79
0	1	0
0.5	0.71	1.58
1	0.5	1.58
1.5	0.35	6.32
2	0.25	17.38
2.5	0.177	37.92
3	0.125	15.8
3.5	0.088	9.48
4	0.0625	6.32
8	0.0039	0.49
12	0.00024	1.27
Mean Phi	2.38	
Std. Dev.	1.3	
%Gravel	0.27	
%Sand	91.64	
%Mud	8.09	
%CaCO3	25.38	
%TOC	0.18	

Sample**N139**

Latitude	27 °25.133'	
Longitude	82 °49.190'	
Water Depth	10.3m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.03
-1	2	0.82
-0.5	1.41	3.29
0	1	13.16
0.5	0.71	28.79
1	0.5	33.72
1.5	0.35	11.51
2	0.25	4.93
2.5	0.177	0
3	0.125	0
3.5	0.088	0
4	0.0625	0
8	0.0039	0.04
12	0.00024	1.7
Mean Phi	0.64	
Std. Dev.	1.51	
%Gravel	2.03	
%Sand	96.22	
%Mud	1.74	
%CaCO3	88.99	
%TOC	0.41	

Sample**N138**

Latitude	27 °25.068'	
Longitude	82 °51.703'	
Water Depth	13.4m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.91
-1	2	1.55
-0.5	1.41	0.78
0	1	0
0.5	0.71	3.1
1	0.5	1.55
1.5	0.35	7.76
2	0.25	12.41
2.5	0.177	37.24
3	0.125	24.83
3.5	0.088	7.76
4	0.0625	0
8	0.0039	0.61
12	0.00024	1.49
Mean Phi	2.26	
Std. Dev.	1.41	
%Gravel	0.91	
%Sand	96.99	
%Mud	2.1	
%CaCO3	41.43	
%TOC	0.22	

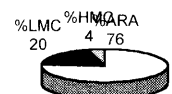
Sample**N140**

Latitude	27 °25.200'	
Longitude	82 °46.972'	
Water Depth	10.1m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	4.17
-1	2	0
-0.5	1.41	1.54
0	1	0
0.5	0.71	16.99
1	0.5	38.61
1.5	0.35	29.34
2	0.25	3.09
2.5	0.177	0
3	0.125	1.54
3.5	0.088	1.54
4	0.0625	1.54
8	0.0039	0.08
12	0.00024	1.54
Mean Phi	0.99	
Std. Dev.	1.52	
%Gravel	4.17	
%Sand	92.67	
%Mud	3.16	
%CaCO3	83.2	
%TOC	0.13	

Carbonate Mineralogy

A 3D pie chart illustrating the distribution of carbonate mineralogy. The chart is divided into three segments: a large white segment representing 76% (ARA), a medium hatched segment representing 20% (LMC), and a small black segment representing 4% (HMA). The labels are placed directly on the chart near their respective segments.

Mineralogy	Percentage
%LMC	20
%HMA	4
%ARA	76

Carbonate Mineralogy

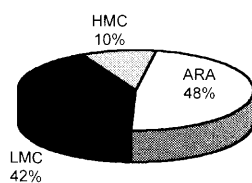
Sample J25

Latitude 28 °14.137'
 Longitude 82 °58.064'
 Water Depth 7.6m

Phi	Millimeters	Weight %
>-1	>2.00	69.97
-1 - 0	1.00 - 2.00	23.35
0 - 1	.5 - 1.00	4.36
1 - 2	.25 - .50	0.37
2 - 3	.125 - .25	0.33
3 - 4	.0625 - .125	0.16
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	1.12

Carbonate Mineralogy

Mean Phi -1.01
 Std. Dev. 1.27
 %Gravel 69.97
 %Sand 28.57
 %Mud 1.48
 %CaCO₃ 89.8
 %TOC 1.76

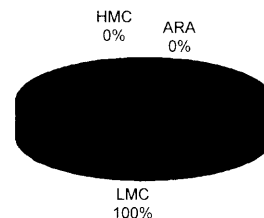
**Sample J26**

Latitude 28 °17.368'
 Longitude 82 °58.251'
 Water Depth 8.1m

Phi	Millimeters	Weight %
>-1	>2.00	0.11
-1 - 0	1.00 - 2.00	1.09
0 - 1	.5 - 1.00	1.32
1 - 2	.25 - .50	4.17
2 - 3	.125 - .25	78.22
3 - 4	.0625 - .125	11.72
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	3.06

Carbonate Mineralogy

Mean Phi 2.71
 Std. Dev. 1.2
 %Gravel 0.11
 %Sand 96.52
 %Mud 3.38
 %CaCO₃ 24.48
 %TOC 0.12

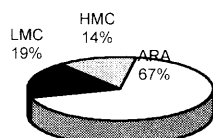
**Sample J27**

Latitude 28 °19.238'
 Longitude 82 °53.361'
 Water Depth 7.9m

Phi	Millimeters	Weight %
>-1	>2.00	7.03
-1 - 0	1.00 - 2.00	2.84
0 - 1	.5 - 1.00	4.84
1 - 2	.25 - .50	8.06
2 - 3	.125 - .25	55.27
3 - 4	.0625 - .125	17.99
4 - 5	.031 - .0625	0.15
5 - 6	.0156 - .031	0.15
6 - 7	.0078 - .0156	0.15
7 - 8	.0039 - .0078	0.15
8<	<.0039	3.35

Carbonate Mineralogy

Mean Phi 2.36
 Std. Dev. 1.76
 %Gravel 7.03
 %Sand 89
 %Mud 3.95
 %CaCO₃ 49.4
 %TOC 0.32

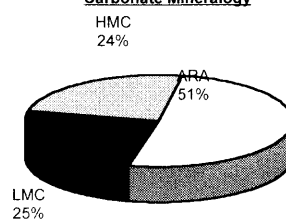
**Sample J28**

Latitude 28 °22.000'
 Longitude 82 °58.506'
 Water Depth 9.1m

Phi	Millimeters	Weight %
>-1	>2.00	21.46
-1 - 0	1.00 - 2.00	25.77
0 - 1	.5 - 1.00	25.53
1 - 2	.25 - .50	11.72
2 - 3	.125 - .25	12.71
3 - 4	.0625 - .125	0
4 - 5	.031 - .0625	0.29
5 - 6	.0156 - .031	0.29
6 - 7	.0078 - .0156	0.29
7 - 8	.0039 - .0078	0.29
8<	<.0039	1.65

Carbonate Mineralogy

Mean Phi 0.38
 Std. Dev. 1.78
 %Gravel 21.46
 %Sand 75.73
 %Mud 2.81
 %CaCO₃ 80.21
 %TOC 1.12



Sample J29

Latitude 28 °22.572'
 Longitude 82 °56.373'
 Water Depth 6.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.31
-1 - 0	1.00 - 2.00	0.95
0 - 1	.5 - 1.00	1.01
1 - 2	.25 - .50	2.09
2 - 3	.125 - .25	75.11
3 - 4	.0625 - .125	17.41
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	1.85

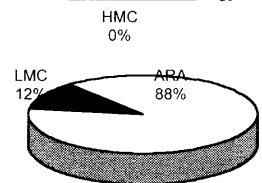
Mean Phi 2.67
 Std. Dev. 1.1
 %Gravel 1.31
 %Sand 96.57
 %Mud 2.13
 %CaCO₃ 26.82
 %TOC 0.15

Sample J30

Latitude 28 °21.472'
 Longitude 82 °54.920'
 Water Depth 5.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.48
-1 - 0	1.00 - 2.00	1.6
0 - 1	.5 - 1.00	2.45
1 - 2	.25 - .50	2.93
2 - 3	.125 - .25	74.36
3 - 4	.0625 - .125	15.27
4 - 5	.031 - .0625	0.11
5 - 6	.0156 - .031	0.11
6 - 7	.0078 - .0156	0.11
7 - 8	.0039 - .0078	0.11
8<	<.0039	2.47

Mean Phi 2.67
 Std. Dev. 1.19
 %Gravel 0.48
 %Sand 96.61
 %Mud 2.91
 %CaCO₃ 21.48
 %TOC 0.21

Carbonate Mineralogy**Sample J31**

Latitude 28 °19.599'
 Longitude 82 °54.789'
 Water Depth 5.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.22
-1 - 0	1.00 - 2.00	1.46
0 - 1	.5 - 1.00	1.6
1 - 2	.25 - .50	2.11
2 - 3	.125 - .25	82.59
3 - 4	.0625 - .125	10.92
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	1

Mean Phi 2.57
 Std. Dev. 0.85
 %Gravel 0.22
 %Sand 98.68
 %Mud 1.08
 %CaCO₃ 9.15
 %TOC 0.57

Sample J32

Latitude 28 °17.791'
 Longitude 82 °54.669'
 Water Depth 5.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.48
-1 - 0	1.00 - 2.00	0.57
0 - 1	.5 - 1.00	1.25
1 - 2	.25 - .50	3.53
2 - 3	.125 - .25	80.32
3 - 4	.0625 - .125	10.81
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	1.9

Mean Phi 2.59
 Std. Dev. 1.08
 %Gravel 1.48
 %Sand 96.48
 %Mud 2.06
 %CaCO₃ 5.5
 %TOC 0.39

Sample **J33**

Latitude 28 °15.827'
Longitude 82 °54.564'
Water Depth 5.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.39
-1 - 0	1.00 - 2.00	0.26
0 - 1	.5 - 1.00	0.52
1 - 2	.25 - .50	1.69
2 - 3	.125 - .25	80.38
3 - 4	.0625 - .125	15.32
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.63

Mean Phi 2.69
Std. Dev. 0.89
%Gravel 0.39
%Sand 98.17
%Mud 1.63
%CaCO3 3.23
%TOC 0.24

Sample **J34**

Latitude 28 °13.685'
Longitude 82 °54.442'
Water Depth 6.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.13
-1 - 0	1.00 - 2.00	0
0 - 1	.5 - 1.00	1.48
1 - 2	.25 - .50	2.95
2 - 3	.125 - .25	82.53
3 - 4	.0625 - .125	9.68
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	0.95

Mean Phi 2.52
Std. Dev. 0.95
%Gravel 2.13
%Sand 96.64
%Mud 1.23
%CaCO3 6.87
%TOC 0.51

Sample **J35**

Latitude 28 °11.608'
Longitude 82 °54.265'
Water Depth 6.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.76
-1 - 0	1.00 - 2.00	4.38
0 - 1	.5 - 1.00	4.76
1 - 2	.25 - .50	4.13
2 - 3	.125 - .25	64.01
3 - 4	.0625 - .125	18.29
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	2.23

Mean Phi 2.42
Std. Dev. 1.4
%Gravel 2.76
%Sand 95.57
%Mud 2.23
%CaCO3 13.39
%TOC 0.61

Sample **J36**

Latitude 28 °09.450'
Longitude 82 °54.128'
Water Depth 6.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.2
-1 - 0	1.00 - 2.00	2.88
0 - 1	.5 - 1.00	3.22
1 - 2	.25 - .50	4.23
2 - 3	.125 - .25	60.45
3 - 4	.0625 - .125	24.72
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	2.76

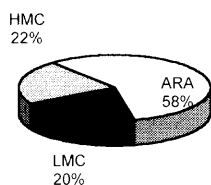
Mean Phi 2.62
Std. Dev. 1.4
%Gravel 2.2
%Sand 95.5
%Mud 2.76
%CaCO3 12.7
%TOC 0.61

Sample J37

Latitude 28 °07.385'
 Longitude 82 °53.995'
 Water Depth 7.3m

Phi	Millimeters	Weight %
>-1	>2.00	1.61
-1 - 0	1.00 - 2.00	12.31
0 - 1	.5 - 1.00	24.34
1 - 2	.25 - .50	25.8
2 - 3	.125 - .25	27.41
3 - 4	.0625 - .125	6.3
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	-

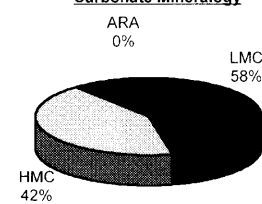
Mean Phi 1.52
 Std. Dev. 1.57
 %Gravel 1.61
 %Sand 96.16
 %Mud 2.21
 %CaCO₃ 74.45
 %TOC 0.91

Carbonate Mineralogy**Sample J38**

Latitude 28 °05.107'
 Longitude 82 °53.842'
 Water Depth 5.6m

Phi	Millimeters	Weight %
>-1	>2.00	6.55
-1 - 0	1.00 - 2.00	1.27
0 - 1	.5 - 1.00	2.85
1 - 2	.25 - .50	5.29
2 - 3	.125 - .25	60.26
3 - 4	.0625 - .125	22.31
4 - 5	.031 - .0625	0.03
5 - 6	.0156 - .031	0.03
6 - 7	.0078 - .0156	0.03
7 - 8	.0039 - .0078	0.03
8<	<.0039	1.34

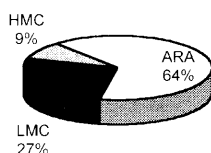
Mean Phi 2.4
 Std. Dev. 1.43
 %Gravel 6.55
 %Sand 91.98
 %Mud 1.46
 %CaCO₃ 15.65
 %TOC 0.36

Carbonate Mineralogy**Sample J39**

Latitude 28 °02.810'
 Longitude 82 °53.696'
 Water Depth 7.0m

Phi	Millimeters	Weight %
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.44
0 - 1	.5 - 1.00	1.09
1 - 2	.25 - .50	4.13
2 - 3	.125 - .25	74.52
3 - 4	.0625 - .125	17.62
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	1.86

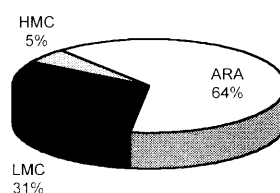
Mean Phi 2.72
 Std. Dev. 0.98
 %Gravel 0
 %Sand 97.8
 %Mud 2.18
 %CaCO₃ 3.3
 %TOC 0.49

Carbonate Mineralogy**Sample J40**

Latitude 28 °00.423'
 Longitude 82 °53.556'
 Water Depth 6.3m

Phi	Millimeters	Weight %
>-1	>2.00	12.68
-1 - 0	1.00 - 2.00	42.1
0 - 1	.5 - 1.00	35.92
1 - 2	.25 - .50	6.58
2 - 3	.125 - .25	0.65
3 - 4	.0625 - .125	0.49
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	1.21

Mean Phi 0.04
 Std. Dev. 1.32
 %Gravel 12.68
 %Sand 85.74
 %Mud 1.57
 %CaCO₃ 84.53
 %TOC 1.08

Carbonate Mineralogy

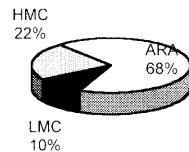
Sample J41

Latitude 27 °58.344'
 Longitude 82 °53.442'
 Water Depth 6.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.22
-1 - 0	1.00 - 2.00	5.86
0 - 1	.5 - 1.00	15.15
1 - 2	.25 - .50	20.5
2 - 3	.125 - .25	41.61
3 - 4	.0625 - .125	12.72
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	1.7

Carbonate Mineralogy

Mean Phi 1.97
 Std. Dev. 1.48
 %Gravel 2.22
 %Sand 95.84
 %Mud 1.94
 %CaCO₃ 56.08
 %TOC 1

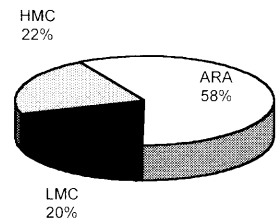
**Sample J42**

Latitude 27 °56.536'
 Longitude 82 °53.271'
 Water Depth 5.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	4.76
-1 - 0	1.00 - 2.00	12.93
0 - 1	.5 - 1.00	32.06
1 - 2	.25 - .50	32.4
2 - 3	.125 - .25	14.88
3 - 4	.0625 - .125	1.62
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	1.28

Carbonate Mineralogy

Mean Phi 1.05
 Std. Dev. 1.39
 %Gravel 4.76
 %Sand 93.89
 %Mud 1.36
 %CaCO₃ 75.41
 %TOC 1.45

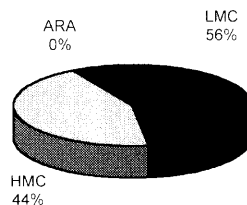
**Sample J43**

Latitude 27 °54.529'
 Longitude 82 °53.160'
 Water Depth 5.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.61
-1 - 0	1.00 - 2.00	2.14
0 - 1	.5 - 1.00	3.68
1 - 2	.25 - .50	23.66
2 - 3	.125 - .25	66.01
3 - 4	.0625 - .125	2.3
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	1.24

Carbonate Mineralogy

Mean Phi 2.21
 Std. Dev. 1.05
 %Gravel 0.61
 %Sand 97.79
 %Mud 1.6
 %CaCO₃ 20.85
 %TOC 1.38

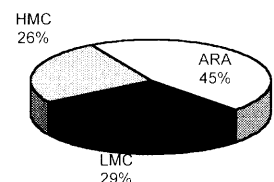
**Sample J44**

Latitude 27 °52.480'
 Longitude 82 °53.031'
 Water Depth 5.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	8.5
-1 - 0	1.00 - 2.00	21.53
0 - 1	.5 - 1.00	25.06
1 - 2	.25 - .50	21.89
2 - 3	.125 - .25	18.72
3 - 4	.0625 - .125	2.26
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	1.83

Carbonate Mineralogy

Mean Phi 0.93
 Std. Dev. 1.67
 %Gravel 8.5
 %Sand 89.46
 %Mud 2.03
 %CaCO₃ 72.18
 %TOC 1.56

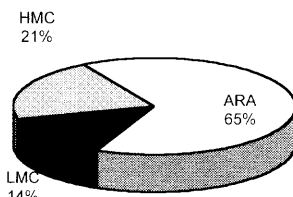


Sample J45

Latitude 27 °50.662'
 Longitude 82 °52.324'
 Water Depth 5.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.28
-1 - 0	1.00 - 2.00	2.92
0 - 1	.5 - 1.00	6.99
1 - 2	.25 - .50	14.69
2 - 3	.125 - .25	65.4
3 - 4	.0625 - .125	6.92
4 - 5	.031 - .0625	0.11
5 - 6	.0156 - .031	0.11
6 - 7	.0078 - .0156	0.11
7 - 8	.0039 - .0078	0.11
8<	<.0039	1.34

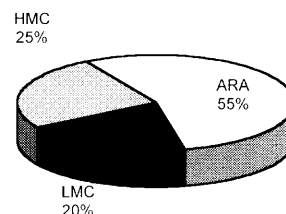
Mean Phi 2.24
 Std. Dev. 1.2
 %Gravel 1.28
 %Sand 96.92
 %Mud 1.78
 %CaCO₃ 38.29
 %TOC 1.97

Carbonate Mineralogy**Sample J46**

Latitude 27 °49.069'
 Longitude 82 °51.502'
 Water Depth 4.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	5.36
-1 - 0	1.00 - 2.00	2.79
0 - 1	.5 - 1.00	4.04
1 - 2	.25 - .50	11.14
2 - 3	.125 - .25	66.37
3 - 4	.0625 - .125	8.98
4 - 5	.031 - .0625	0.03
5 - 6	.0156 - .031	0.03
6 - 7	.0078 - .0156	0.03
7 - 8	.0039 - .0078	0.03
8<	<.0039	1.22

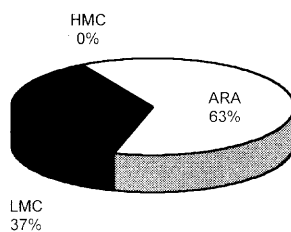
Mean Phi 2.18
 Std. Dev. 1.35
 %Gravel 5.36
 %Sand 93.32
 %Mud 1.34
 %CaCO₃ 31.08
 %TOC 1.82

Carbonate Mineralogy**Sample J47**

Latitude 27 °47.254'
 Longitude 82 °50.567'
 Water Depth 5.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.38
-1 - 0	1.00 - 2.00	5.07
0 - 1	.5 - 1.00	7
1 - 2	.25 - .50	14
2 - 3	.125 - .25	62.75
3 - 4	.0625 - .125	3.86
4 - 5	.031 - .0625	2.34
5 - 6	.0156 - .031	2.34
6 - 7	.0078 - .0156	2.34
7 - 8	.0039 - .0078	2.34
8<	<.0039	0

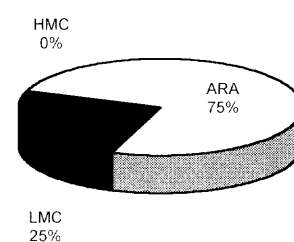
Mean Phi 1.97
 Std. Dev. 0.7
 %Gravel 3.38
 %Sand 92.68
 %Mud 9.36
 %CaCO₃ 29.12
 %TOC 1.2

Carbonate Mineralogy**Sample J48**

Latitude 27 °45.743'
 Longitude 82 °49.755'
 Water Depth 6.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	4.34
-1 - 0	1.00 - 2.00	5.38
0 - 1	.5 - 1.00	6.43
1 - 2	.25 - .50	7.41
2 - 3	.125 - .25	27.9
3 - 4	.0625 - .125	45.87
4 - 5	.031 - .0625	0.25
5 - 6	.0156 - .031	0.25
6 - 7	.0078 - .0156	0.25
7 - 8	.0039 - .0078	0.25
8<	<.0039	1.66

Mean Phi 2.56
 Std. Dev. 1.64
 %Gravel 4.34
 %Sand 92.99
 %Mud 2.66
 %CaCO₃ 29.83
 %TOC 0.64

Carbonate Mineralogy

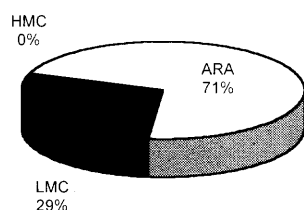
Sample J49

Latitude 27 °44.252'
Longitude 82 °48.983'
Water Depth 7.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.17
-1 - 0	1.00 - 2.00	0.35
0 - 1	.5 - 1.00	2.59
1 - 2	.25 - .50	12.95
2 - 3	.125 - .25	65.87
3 - 4	.0625 - .125	15.97
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	1.76

Carbonate Mineralogy

Mean Phi 2.58
Std. Dev. 1.06
%Gravel 0.17
%Sand 97.73
%Mud 2.12
%CaCO₃ 23.14
%TOC 1.27

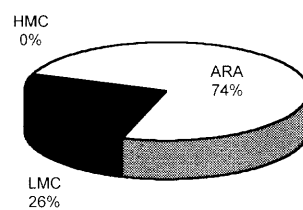
**Sample J50**

Latitude 27 °42.146'
Longitude 82 °47.893'
Water Depth 6.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.74
-1 - 0	1.00 - 2.00	8.23
0 - 1	.5 - 1.00	16.8
1 - 2	.25 - .50	46.64
2 - 3	.125 - .25	24.62
3 - 4	.0625 - .125	0.58
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	1.32

Carbonate Mineralogy

Mean Phi 1.47
Std. Dev. 1.26
%Gravel 1.74
%Sand 96.87
%Mud 2.12
%CaCO₃ 40.42
%TOC 2.03

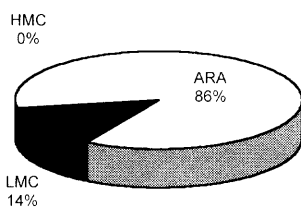
**Sample J51**

Latitude 27 °40.348'
Longitude 82 °47.081'
Water Depth 6.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	11.3
-1 - 0	1.00 - 2.00	6.2
0 - 1	.5 - 1.00	5.54
1 - 2	.25 - .50	8.57
2 - 3	.125 - .25	42.4
3 - 4	.0625 - .125	24.08
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	1.75

Carbonate Mineralogy

Mean Phi 2.02
Std. Dev. 1.83
%Gravel 11.3
%Sand 86.79
%Mud 1.91
%CaCO₃ 32.73
%TOC 1.25

**Sample J52**

Latitude 27 °38.589'
Longitude 82 °48.433'
Water Depth 7.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.31
-1 - 0	1.00 - 2.00	0.69
0 - 1	.5 - 1.00	0.62
1 - 2	.25 - .50	0.94
2 - 3	.125 - .25	72.35
3 - 4	.0625 - .125	21.08
4 - 5	.031 - .0625	0.19
5 - 6	.0156 - .031	0.19
6 - 7	.0078 - .0156	0.19
7 - 8	.0039 - .0078	0.19
8<	<.0039	2.27

Mean Phi 2.78
Std. Dev. 1.16
%Gravel 1.31
%Sand 95.68
%Mud 3.03
%CaCO₃ 5.31
%TOC 0.48

Sample**J53**

Latitude 27 °36.681'
 Longitude 82 °49.927'
 Water Depth 9.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.2
0 - 1	.5 - 1.00	0.15
1 - 2	.25 - .50	0.95
2 - 3	.125 - .25	78.39
3 - 4	.0625 - .125	17.53
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	2.57

Mean Phi 2.82
 Std. Dev. 1.03
 %Gravel 0
 %Sand 97.22
 %Mud 2.77
 %CaCO₃ 3.64
 %TOC 0.15

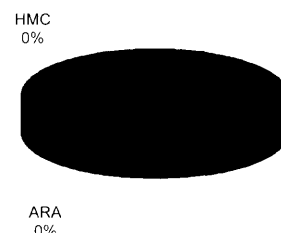
Sample**J54**

Latitude 27 °35.159'
 Longitude 82 °48.907'
 Water Depth 4.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.98
-1 - 0	1.00 - 2.00	1.71
0 - 1	.5 - 1.00	2.15
1 - 2	.25 - .50	3.76
2 - 3	.125 - .25	80.66
3 - 4	.0625 - .125	8.8
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	1.68

Mean Phi 2.53
 Std. Dev. 1.08
 %Gravel 0.98
 %Sand 97.08
 %Mud 1.92
 %CaCO₃ 11.3
 %TOC 0.59

Carbonate Mineralogy
 100%

**Sample****J55**

Latitude 27 °33.379'
 Longitude 82 °47.622'
 Water Depth 6.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.67
0 - 1	.5 - 1.00	1.13
1 - 2	.25 - .50	3.85
2 - 3	.125 - .25	90.31
3 - 4	.0625 - .125	2.47
4 - 5	.031 - .0625	0.01
5 - 6	.0156 - .031	0.01
6 - 7	.0078 - .0156	0.01
7 - 8	.0039 - .0078	0.01
8<	<.0039	1.51

Mean Phi 2.54
 Std. Dev. 0.85
 %Gravel 0
 %Sand 98.43
 %Mud 1.55
 %CaCO₃ 4.07
 %TOC 0.53

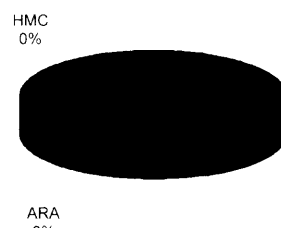
Sample**J56**

Latitude 27 °31.652'
 Longitude 82 °46.423'
 Water Depth 7.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.88
0 - 1	.5 - 1.00	1.55
1 - 2	.25 - .50	2.17
2 - 3	.125 - .25	85.29
3 - 4	.0625 - .125	7.58
4 - 5	.031 - .0625	0.16
5 - 6	.0156 - .031	0.16
6 - 7	.0078 - .0156	0.16
7 - 8	.0039 - .0078	0.16
8<	<.0039	1.91

Mean Phi 2.63
 Std. Dev. 1
 %Gravel 0
 %Sand 97.47
 %Mud 2.55
 %CaCO₃ 6.77
 %TOC 1.88

Carbonate Mineralogy
 100%



Sample J57

Latitude 27 °29.930'
 Longitude 82 °45.213'
 Water Depth 7.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.2
-1 - 0	1.00 - 2.00	1.74
0 - 1	.5 - 1.00	1.79
1 - 2	.25 - .50	2.23
2 - 3	.125 - .25	57.84
3 - 4	.0625 - .125	32.4
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	2.45

Mean Phi 2.83
 Std. Dev. 1.26
 %Gravel 1.2
 %Sand 96
 %Mud 2.81
 %CaCO₃ 10.07
 %TOC 0.52

Sample J58

Latitude 27 °28.022'
 Longitude 82 °43.833'
 Water Depth 7.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.57
-1 - 0	1.00 - 2.00	3.26
0 - 1	.5 - 1.00	2.13
1 - 2	.25 - .50	2.41
2 - 3	.125 - .25	52.56
3 - 4	.0625 - .125	34.85
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	4.13

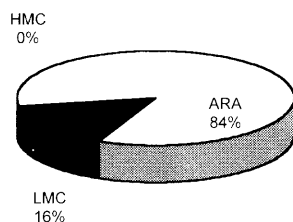
Mean Phi 2.91
 Std. Dev. 1.47
 %Gravel 0.57
 %Sand 95.21
 %Mud 4.21
 %CaCO₃ 10.04
 %TOC 0.49

Sample J59

Latitude 27 °26.362'
 Longitude 82 °42.631'
 Water Depth 8.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.06
-1	2	1.27
-0.5	1.41	0
0	1	0
0.5	0.71	2.55
1	0.5	5.1
1.5	0.35	5.1
2	0.25	5.1
2.5	0.177	7.64
3	0.125	56.04
3.5	0.088	6.37
4	0.0625	3.82
8	0.0039	0.11
12	0.00024	1.85

Mean Phi 2.36
 Std. Dev. 1.72
 %Gravel 5.06
 %Sand 89.16
 %Mud 5.78
 %CaCO₃ 20.54
 %TOC 0.68

Carbonate Mineralogy**Sample J60**

Latitude 27 °26.015'
 Longitude 82 °42.266'
 Water Depth 6.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.75
-1 - 0	1.00 - 2.00	0
0 - 1	.5 - 1.00	0.13
1 - 2	.25 - .50	0.38
2 - 3	.125 - .25	74.46
3 - 4	.0625 - .125	20.72
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	3.66

Mean Phi 2.89
 Std. Dev. 1.22
 %Gravel 0.75
 %Sand 95.69
 %Mud 3.66
 %CaCO₃ 3.98
 %TOC 0.6

Sample **J61**

Latitude 27 °28.039'
Longitude 82 °42.486'
Water Depth 5.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	9.2
-1 - 0	1.00 - 2.00	4.29
0 - 1	.5 - 1.00	3.33
1 - 2	.25 - .50	4.73
2 - 3	.125 - .25	62.01
3 - 4	.0625 - .125	14.28
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	2.32

Mean Phi 2.17
Std. Dev. 1.7
%Gravel 9.2
%Sand 88.64
%Mud 2.32
%CaCO3 8.75
%TOC 0.18

Sample **J62**

Latitude 27 °27.851'
Longitude 82 °44.436'
Water Depth 6.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	1.21
0 - 1	.5 - 1.00	1.73
1 - 2	.25 - .50	3.58
2 - 3	.125 - .25	68.06
3 - 4	.0625 - .125	23.96
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	1.31

Mean Phi 2.72
Std. Dev. 0.95
%Gravel 0
%Sand 98.54
%Mud 1.47
%CaCO3 3.89
%TOC 0.59

Sample **J63**

Latitude 27 °27.190'
Longitude 82 °46.634'
Water Depth 8.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	4.1
-1 - 0	1.00 - 2.00	20.43
0 - 1	.5 - 1.00	28.45
1 - 2	.25 - .50	23.87
2 - 3	.125 - .25	19.95
3 - 4	.0625 - .125	1.62
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	1.37

Mean Phi 1.02
Std. Dev. 1.49
%Gravel 4.1
%Sand 94.32
%Mud 1.57
%CaCO3 65.79
%TOC 1.09

Sample **J64**

Latitude 27 °25.835'
Longitude 82 °51.245'
Water Depth 9.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.77
-1 - 0	1.00 - 2.00	12.27
0 - 1	.5 - 1.00	25.07
1 - 2	.25 - .50	20.04
2 - 3	.125 - .25	39.22
3 - 4	.0625 - .125	1.07
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.72

Mean Phi 1.41
Std. Dev. 1.28
%Gravel 1.77
%Sand 97.67
%Mud 0.72
%CaCO3 52.99
%TOC 0.45

Sample J65

Latitude 27 °25.238'
Longitude 82 °53.264'
Water Depth 13.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.92
-1 - 0	1.00 - 2.00	8.64
0 - 1	.5 - 1.00	24.25
1 - 2	.25 - .50	31.94
2 - 3	.125 - .25	26.93
3 - 4	.0625 - .125	2.83
4 - 5	.031 - .0625	0.1
5 - 6	.0156 - .031	0.1
6 - 7	.0078 - .0156	0.1
7 - 8	.0039 - .0078	0.1
8<	<.0039	1.09

Mean Phi 1.39
Std. Dev. 1.39
%Gravel 3.92
%Sand 94.59
%Mud 1.49
%CaCO3 65.79
%TOC 0.3

Sample J66

Latitude 27 °26.308'
Longitude 82 °55.278'
Water Depth 13.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.36
0 - 1	.5 - 1.00	1.55
1 - 2	.25 - .50	9.77
2 - 3	.125 - .25	80.09
3 - 4	.0625 - .125	6.79
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	1.21

Mean Phi 2.51
Std. Dev. 0.85
%Gravel 0
%Sand 98.56
%Mud 1.45
%CaCO3 21.07
%TOC 0.23

Sample J67

Latitude 27 °27.411'
Longitude 82 °54.354'
Water Depth 12.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	4.64
-1 - 0	1.00 - 2.00	17.37
0 - 1	.5 - 1.00	26.66
1 - 2	.25 - .50	30.79
2 - 3	.125 - .25	17.37
3 - 4	.0625 - .125	0.52
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	2.93

Mean Phi 1.12
Std. Dev. 1.68
%Gravel 4.64
%Sand 92.71
%Mud 2.93
%CaCO3 67.21
%TOC 0.57

Sample J68

Latitude 27 °28.002'
Longitude 82 °52.122'
Water Depth 11.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.13
-1 - 0	1.00 - 2.00	14.96
0 - 1	.5 - 1.00	34.72
1 - 2	.25 - .50	26.1
2 - 3	.125 - .25	16.26
3 - 4	.0625 - .125	7.06
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.89

Mean Phi 1.21
Std. Dev. 1.31
%Gravel 0.13
%Sand 99.1
%Mud 0.89
%CaCO3 55.21
%TOC 0.31

Sample **J69**

Latitude 27 °29.185'
Longitude 82 °47.650'
Water Depth 6.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	15.08
-1 - 0	1.00 - 2.00	31.48
0 - 1	.5 - 1.00	18.22
1 - 2	.25 - .50	8.66
2 - 3	.125 - .25	14.8
3 - 4	.0625 - .125	10.61
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	0.81

Mean Phi 0.67
Std. Dev. 1.77
%Gravel 15.08
%Sand 83.77
%Mud 1.17
%CaCO3 80.04
%TOC 0.78

Sample **J70**

Latitude 27 °30".453'
Longitude 82 °43.709'
Water Depth 4.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.77
-1 - 0	1.00 - 2.00	2.03
0 - 1	.5 - 1.00	1.15
1 - 2	.25 - .50	1.94
2 - 3	.125 - .25	71.37
3 - 4	.0625 - .125	19.52
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	1.96

Mean Phi 2.65
Std. Dev. 1.2
%Gravel 1.77
%Sand 96.01
%Mud 2.24
%CaCO3 8.39
%TOC 0.29

Sample **J71**

Latitude 27 °32.292'
Longitude 82 °48.633'
Water Depth 9.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2
-1 - 0	1.00 - 2.00	1.68
0 - 1	.5 - 1.00	1.12
1 - 2	.25 - .50	2.32
2 - 3	.125 - .25	46.9
3 - 4	.0625 - .125	43.38
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	2.47

Mean Phi 2.91
Std. Dev. 1.31
%Gravel 2
%Sand 95.4
%Mud 2.63
%CaCO3 8.43
%TOC 0.18

Sample **J72**

Latitude 27 °32.198'
Longitude 82 °51.040'
Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.95
-1 - 0	1.00 - 2.00	4.03
0 - 1	.5 - 1.00	4.17
1 - 2	.25 - .50	5.7
2 - 3	.125 - .25	56.56
3 - 4	.0625 - .125	24.95
4 - 5	.031 - .0625	0.16
5 - 6	.0156 - .031	0.16
6 - 7	.0078 - .0156	0.16
7 - 8	.0039 - .0078	0.16
8<	<.0039	1.99

Mean Phi 2.55
Std. Dev. 1.4
%Gravel 1.95
%Sand 95.41
%Mud 2.63
%CaCO3 20.68
%TOC 0.23

Sample **J73**

Latitude 27 °31.843'
Longitude 82 °53.741'
Water Depth 11.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	7.32
-1 - 0	1.00 - 2.00	10.34
0 - 1	.5 - 1.00	33.05
1 - 2	.25 - .50	34.09
2 - 3	.125 - .25	13.5
3 - 4	.0625 - .125	0.85
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.88

Mean Phi 0.96
Std. Dev. 1.3
%Gravel 7.32
%Sand 91.83
%Mud 0.88
%CaCO3 59.51
%TOC 0.53

Sample **J74**

Latitude 27 °31.573'
Longitude 82 °55.848'
Water Depth 15.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	53.65
-1 - 0	1.00 - 2.00	6.42
0 - 1	.5 - 1.00	7.47
1 - 2	.25 - .50	9.38
2 - 3	.125 - .25	13.89
3 - 4	.0625 - .125	5.21
4 - 5	.031 - .0625	0.1
5 - 6	.0156 - .031	0.1
6 - 7	.0078 - .0156	0.1
7 - 8	.0039 - .0078	0.1
8<	<.0039	3.58

Mean Phi 0.2
Std. Dev. 2.38
%Gravel 53.65
%Sand 42.37
%Mud 3.98
%CaCO3 66.01
%TOC 0.99

Sample **J75**

Latitude 27 °31.246'
Longitude 82 °58.292'
Water Depth 13.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.05
-1 - 0	1.00 - 2.00	0.8
0 - 1	.5 - 1.00	2.34
1 - 2	.25 - .50	13.12
2 - 3	.125 - .25	63.53
3 - 4	.0625 - .125	18.64
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	1.33

Mean Phi 2.57
Std. Dev. 1
%Gravel 0.05
%Sand 98.43
%Mud 1.53
%CaCO3 29.38
%TOC 0.09

Sample **J76**

Latitude 27 °30.913'
Longitude 83 °00.784'
Water Depth 19.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	12.48
-1 - 0	1.00 - 2.00	14.51
0 - 1	.5 - 1.00	45.04
1 - 2	.25 - .50	20.32
2 - 3	.125 - .25	6.19
3 - 4	.0625 - .125	0.61
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.86

Mean Phi 0.52
Std. Dev. 1.3
%Gravel 12.48
%Sand 86.67
%Mud 0.86
%CaCO3 82.46
%TOC 0.99

Sample **J77**

Latitude 27 °30.594'
Longitude 83 °03.228'
Water Depth 21.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.14
-1 - 0	1.00 - 2.00	13.02
0 - 1	.5 - 1.00	43.73
1 - 2	.25 - .50	35.71
2 - 3	.125 - .25	6.37
3 - 4	.0625 - .125	0.23
4 - 5	.031 - .0625	0.01
5 - 6	.0156 - .031	0.01
6 - 7	.0078 - .0156	0.01
7 - 8	.0039 - .0078	0.01
8<	<.0039	0.76

Mean Phi 0.92
Std. Dev. 1.04
%Gravel 0.14
%Sand 99.06
%Mud 0.8
%CaCO3 84.02
%TOC 0.56

Sample **J78**

Latitude 27 °31.737'
Longitude 83 °04.958'
Water Depth 22.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	39.43
-1 - 0	1.00 - 2.00	11.44
0 - 1	.5 - 1.00	23
1 - 2	.25 - .50	18.43
2 - 3	.125 - .25	5.87
3 - 4	.0625 - .125	0.65
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	1.09

Mean Phi 0.01
Std. Dev. 1.63
%Gravel 39.43
%Sand 59.39
%Mud 1.17
%CaCO3 86.63
%TOC 0.38

Sample **J79**

Latitude 27 °32.222'
Longitude 83 °07.037'
Water Depth 24.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	13.46
-1 - 0	1.00 - 2.00	2.33
0 - 1	.5 - 1.00	17.92
1 - 2	.25 - .50	55.41
2 - 3	.125 - .25	8.36
3 - 4	.0625 - .125	1.25
4 - 5	.031 - .0625	0.14
5 - 6	.0156 - .031	0.14
6 - 7	.0078 - .0156	0.14
7 - 8	.0039 - .0078	0.14
8<	<.0039	0.73

Mean Phi 1.05
Std. Dev. 1.38
%Gravel 13.46
%Sand 85.27
%Mud 1.29
%CaCO3 84.98
%TOC 0.48

Sample **J80**

Latitude 27 °32.974'
Longitude 83 °09.989'
Water Depth 25.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.11
-1 - 0	1.00 - 2.00	6.38
0 - 1	.5 - 1.00	25.65
1 - 2	.25 - .50	57.15
2 - 3	.125 - .25	7.38
3 - 4	.0625 - .125	0.1
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	1.07

Mean Phi 1.21
Std. Dev. 1.12
%Gravel 2.11
%Sand 96.66
%Mud 1.27
%CaCO3 92.27
%TOC 1.58

Sample**J81**

Latitude 27 °33.479'
Longitude 83 °11.898'
Water Depth 28.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.82
-1 - 0	1.00 - 2.00	3.36
0 - 1	.5 - 1.00	35.98
1 - 2	.25 - .50	51.33
2 - 3	.125 - .25	5
3 - 4	.0625 - .125	0
4 - 5	.031 - .0625	0.21
5 - 6	.0156 - .031	0.21
6 - 7	.0078 - .0156	0.21
7 - 8	.0039 - .0078	0.21
8<	<.0039	1.66

Mean Phi 1.22
Std. Dev. 1.28
%Gravel 1.82
%Sand 95.67
%Mud 2.5
%CaCO3 92.88
%TOC 0.5

Sample**J82**

Latitude 27 °34.198'
Longitude 83 °12.654'
Water Depth 26.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.1
-1 - 0	1.00 - 2.00	1.06
0 - 1	.5 - 1.00	2.69
1 - 2	.25 - .50	13.76
2 - 3	.125 - .25	59.36
3 - 4	.0625 - .125	12.41
4 - 5	.031 - .0625	1.58
5 - 6	.0156 - .031	1.58
6 - 7	.0078 - .0156	1.58
7 - 8	.0039 - .0078	1.58
8<	<.0039	4.31

Mean Phi 2.88
Std. Dev. 1.66
%Gravel 0.1
%Sand 89.28
%Mud 10.63
%CaCO3 58.25
%TOC 2.67

Sample**J83**

Latitude 27 °34.497'
Longitude 83 °10.914'
Water Depth 26.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.3
-1 - 0	1.00 - 2.00	5.3
0 - 1	.5 - 1.00	35.89
1 - 2	.25 - .50	50.18
2 - 3	.125 - .25	6.2
3 - 4	.0625 - .125	0.1
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	1.72

Mean Phi 1.22
Std. Dev. 1.22
%Gravel 0.3
%Sand 97.67
%Mud 2.04
%CaCO3 91.44
%TOC 2.33

Sample**J84**

Latitude 27 °34.901'
Longitude 83 °08.782'
Water Depth 24.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	10.14
-1 - 0	1.00 - 2.00	26.08
0 - 1	.5 - 1.00	45.21
1 - 2	.25 - .50	16.23
2 - 3	.125 - .25	0.39
3 - 4	.0625 - .125	0
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	1.7

Mean Phi 0.36
Std. Dev. 1.41
%Gravel 10.14
%Sand 87.91
%Mud 1.94
%CaCO3 91.37
%TOC 1.12

Sample **J85**

Latitude 27 °35.280'
Longitude 83 °06.762'
Water Depth 22.9

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.36
-1 - 0	1.00 - 2.00	3.5
0 - 1	.5 - 1.00	45.97
1 - 2	.25 - .50	41.93
2 - 3	.125 - .25	4.04
3 - 4	.0625 - .125	0.09
4 - 5	.031 - .0625	0.29
5 - 6	.0156 - .031	0.29
6 - 7	.0078 - .0156	0.29
7 - 8	.0039 - .0078	0.29
8<	<.0039	2.93
Mean Phi	1.26	
Std. Dev.	1.52	
%Gravel	0.36	
%Sand	95.53	
%Mud	4.09	
%CaCO3	80.35	
%TOC	3.61	

Sample **J86**

Latitude 27 °35.657'
Longitude 83 °04.699'
Water Depth 20m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.65
-1 - 0	1.00 - 2.00	12
0 - 1	.5 - 1.00	33.14
1 - 2	.25 - .50	42.44
2 - 3	.125 - .25	7.95
3 - 4	.0625 - .125	0
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	2.5
Mean Phi	1.15	
Std. Dev.	1.49	
%Gravel	1.65	
%Sand	95.53	
%Mud	2.82	
%CaCO3	80.91	
%TOC	3.93	

Sample **J87**

Latitude 27 °36.047'
Longitude 83 °02.414'
Water Depth 18.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1
-1 - 0	1.00 - 2.00	23.7
0 - 1	.5 - 1.00	55.89
1 - 2	.25 - .50	15.47
2 - 3	.125 - .25	0.75
3 - 4	.0625 - .125	0.12
4 - 5	.031 - .0625	0.2
5 - 6	.0156 - .031	0.2
6 - 7	.0078 - .0156	0.2
7 - 8	.0039 - .0078	0.2
8<	<.0039	2.28
Mean Phi	0.64	
Std. Dev.	1.47	
%Gravel	1	
%Sand	95.93	
%Mud	3.08	
%CaCO3	83.97	
%TOC	0.58	

Sample **J88**

Latitude 27 °36.467'
Longitude 82 °59.999'
Water Depth 13.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.26
-1 - 0	1.00 - 2.00	1.65
0 - 1	.5 - 1.00	10.02
1 - 2	.25 - .50	40.68
2 - 3	.125 - .25	40.94
3 - 4	.0625 - .125	3.83
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	2.26
Mean Phi	2.02	
Std. Dev.	1.29	
%Gravel	0.26	
%Sand	97.12	
%Mud	2.62	
%CaCO3	72.81	
%TOC	1.28	

Sample **J89**

Latitude 27 °36.916'
Longitude 82 °57.436'
Water Depth 13.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.09
-1 - 0	1.00 - 2.00	4.21
0 - 1	.5 - 1.00	16.11
1 - 2	.25 - .50	34.91
2 - 3	.125 - .25	41.89
3 - 4	.0625 - .125	0.63
4 - 5	.031 - .0625	0.03
5 - 6	.0156 - .031	0.03
6 - 7	.0078 - .0156	0.03
7 - 8	.0039 - .0078	0.03
8<	<.0039	2.03

Mean Phi 1.83
Std. Dev. 1.3
%Gravel 0.09
%Sand 97.75
%Mud 2.15
%CaCO3 54
%TOC 1.78

Sample **J90**

Latitude 27 °37.214'
Longitude 82 °55.680'
Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.16
-1 - 0	1.00 - 2.00	1.03
0 - 1	.5 - 1.00	1.75
1 - 2	.25 - .50	6.2
2 - 3	.125 - .25	78.04
3 - 4	.0625 - .125	10.9
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	1.54

Mean Phi 2.58
Std. Dev. 0.98
%Gravel 0.16
%Sand 97.92
%Mud 1.9
%CaCO3 12.87
%TOC 1.62

Sample **J91**

Latitude 27 °38.057'
Longitude 82 °51.213'
Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.97
-1 - 0	1.00 - 2.00	1.55
0 - 1	.5 - 1.00	1.08
1 - 2	.25 - .50	3.5
2 - 3	.125 - .25	74.54
3 - 4	.0625 - .125	12.2
4 - 5	.031 - .0625	0.27
5 - 6	.0156 - .031	0.27
6 - 7	.0078 - .0156	0.27
7 - 8	.0039 - .0078	0.27
8<	<.0039	3.1

Mean Phi 2.62
Std. Dev. 1.43
%Gravel 2.97
%Sand 92.87
%Mud 4.18
%CaCO3 12.45
%TOC 1.77

Sample **J92**

Latitude 27 °39.259'
Longitude 82 °46.125'
Water Depth 5.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	23.3
-1 - 0	1.00 - 2.00	11.69
0 - 1	.5 - 1.00	14.32
1 - 2	.25 - .50	5.42
2 - 3	.125 - .25	23.38
3 - 4	.0625 - .125	19.51
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	2.04

Mean Phi 1.21
Std. Dev. 2.17
%Gravel 23.3
%Sand 74.32
%Mud 3.6
%CaCO3 66.45
%TOC 1.07

Sample **J93**

Latitude 27 °41.690'
Longitude 82 °45.622'
Water Depth 9.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.53
-1 - 0	1.00 - 2.00	4.7
0 - 1	.5 - 1.00	6.27
1 - 2	.25 - .50	6.4
2 - 3	.125 - .25	21.81
3 - 4	.0625 - .125	52.1
4 - 5	.031 - .0625	0.35
5 - 6	.0156 - .031	0.35
6 - 7	.0078 - .0156	0.35
7 - 8	.0039 - .0078	0.35
8<	<.0039	3.81

Mean Phi 2.83
Std. Dev. 1.81
%Gravel 3.53
%Sand 91.28
%Mud 5.21
%CaCO3 25.79
%TOC 3.88

Sample **J94**

Latitude 27 °43.690'
Longitude 82 °45.397'
Water Depth 5.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	18.7
-1 - 0	1.00 - 2.00	5.21
0 - 1	.5 - 1.00	8.67
1 - 2	.25 - .50	9.63
2 - 3	.125 - .25	17.8
3 - 4	.0625 - .125	23.63
4 - 5	.031 - .0625	2.6
5 - 6	.0156 - .031	2.6
6 - 7	.0078 - .0156	2.6
7 - 8	.0039 - .0078	2.6
8<	<.0039	5.93

Mean Phi 2.28
Std. Dev. 2.76
%Gravel 18.7
%Sand 64.94
%Mud 16.33
%CaCO3 44.26
%TOC 3.09

Sample **J95**

Latitude 27 °42.932'
Longitude 82 °46.837'
Water Depth 7.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.39
-1 - 0	1.00 - 2.00	4.02
0 - 1	.5 - 1.00	8.36
1 - 2	.25 - .50	14.7
2 - 3	.125 - .25	50.76
3 - 4	.0625 - .125	17.64
4 - 5	.031 - .0625	0.18
5 - 6	.0156 - .031	0.18
6 - 7	.0078 - .0156	0.18
7 - 8	.0039 - .0078	0.18
8<	<.0039	2.41

Mean Phi 2.36
Std. Dev. 1.48
%Gravel 1.39
%Sand 95.48
%Mud 3.13
%CaCO3 29.48
%TOC 3.54

Sample **J96**

Latitude 27 °42.680'
Longitude 82 °48.168'
Water Depth 6.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.56
-1 - 0	1.00 - 2.00	9.65
0 - 1	.5 - 1.00	20.93
1 - 2	.25 - .50	47.2
2 - 3	.125 - .25	17.56
3 - 4	.0625 - .125	0.12
4 - 5	.031 - .0625	0.19
5 - 6	.0156 - .031	0.19
6 - 7	.0078 - .0156	0.19
7 - 8	.0039 - .0078	0.19
8<	<.0039	1.22

Mean Phi 1.32
Std. Dev. 1.32
%Gravel 2.56
%Sand 95.46
%Mud 1.98
%CaCO3 52.95
%TOC 0.53

Sample **J97**

Latitude 27 °42.126'
Longitude 82 °51.185'
Water Depth 8.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	4.89
-1 - 0	1.00 - 2.00	3.52
0 - 1	.5 - 1.00	1.93
1 - 2	.25 - .50	5.12
2 - 3	.125 - .25	45.94
3 - 4	.0625 - .125	31.04
4 - 5	.031 - .0625	1.18
5 - 6	.0156 - .031	1.18
6 - 7	.0078 - .0156	1.18
7 - 8	.0039 - .0078	1.18
8<	<.0039	2.85

Mean Phi 2.76
Std. Dev. 1.77
%Gravel 4.89
%Sand 87.55
%Mud 7.57
%CaCO3 16.01
%TOC 7.09

Sample **J98**

Latitude 27 °41.880'
Longitude 82 °52.642'
Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	3.74
0 - 1	.5 - 1.00	3.88
1 - 2	.25 - .50	21.71
2 - 3	.125 - .25	52.91
3 - 4	.0625 - .125	15.53
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	2.65

Mean Phi 2.39
Std. Dev. 1.32
%Gravel 0
%Sand 97.77
%Mud 2.65
%CaCO3 9.96
%TOC 3.03

Sample **J99**

Latitude 27 °41.031'
Longitude 82 °57.501'
Water Depth 12m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	29.37
-1 - 0	1.00 - 2.00	20.23
0 - 1	.5 - 1.00	34
1 - 2	.25 - .50	14.38
2 - 3	.125 - .25	1.52
3 - 4	.0625 - .125	0.15
4 - 5	.031 - .0625	0.03
5 - 6	.0156 - .031	0.03
6 - 7	.0078 - .0156	0.03
7 - 8	.0039 - .0078	0.03
8<	<.0039	1.22

Mean Phi 0.01
Std. Dev. 1.46
%Gravel 28.37
%Sand 70.28
%Mud 1.34
%CaCO3 71.12
%TOC 5.17

Sample **J100**

Latitude 27 °40.638'
Longitude 82 °59.598'
Water Depth 14m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	11.83
-1 - 0	1.00 - 2.00	15.18
0 - 1	.5 - 1.00	38.24
1 - 2	.25 - .50	29.76
2 - 3	.125 - .25	3.35
3 - 4	.0625 - .125	0
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	1.35

Mean Phi 0.6
Std. Dev. 1.41
%Gravel 11.83
%Sand 86.53
%Mud 1.63
%CaCO3 81.53
%TOC 0.31

Sample **J101**

Latitude 27 °41.780'
Longitude 83 °01.732'
Water Depth 14.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	11.86
-1 - 0	1.00 - 2.00	5.96
0 - 1	.5 - 1.00	48.92
1 - 2	.25 - .50	26.7
2 - 3	.125 - .25	4.26
3 - 4	.0625 - .125	0.21
4 - 5	.031 - .0625	0.1
5 - 6	.0156 - .031	0.1
6 - 7	.0078 - .0156	0.1
7 - 8	.0039 - .0078	0.1
8<	<.0039	1.69

Mean Phi 0.72
Std. Dev. 1.47
%Gravel 11.86
%Sand 86.05
%Mud 2.09
%CaCO3 80.06
%TOC 0.63

Sample **J102**

Latitude 27 °43.599'
Longitude 83 °02.577'
Water Depth 13.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.87
0 - 1	.5 - 1.00	1.11
1 - 2	.25 - .50	3.83
2 - 3	.125 - .25	42.41
3 - 4	.0625 - .125	46.86
4 - 5	.031 - .0625	0.57
5 - 6	.0156 - .031	0.57
6 - 7	.0078 - .0156	0.57
7 - 8	.0039 - .0078	0.57
8<	<.0039	2.63

Mean Phi 3.12
Std. Dev. 1.23
%Gravel 0
%Sand 95.08
%Mud 4.91
%CaCO3 35.35
%TOC 0.56

Sample **J103**

Latitude 27 °44.766'
Longitude 83 °01.322'
Water Depth 12.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.87
-1 - 0	1.00 - 2.00	6.73
0 - 1	.5 - 1.00	22.55
1 - 2	.25 - .50	41.48
2 - 3	.125 - .25	24.42
3 - 4	.0625 - .125	0.37
4 - 5	.031 - .0625	0.26
5 - 6	.0156 - .031	0.26
6 - 7	.0078 - .0156	0.26
7 - 8	.0039 - .0078	0.26
8<	<.0039	2.53

Mean Phi 1.59
Std. Dev. 1.51
%Gravel 0.87
%Sand 95.55
%Mud 3.57
%CaCO3 63.4
%TOC 0.22

Sample **J104**

Latitude 27 °45.165'
Longitude 82 °58.913'
Water Depth 11.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.55
-1 - 0	1.00 - 2.00	3.86
0 - 1	.5 - 1.00	13.91
1 - 2	.25 - .50	25.75
2 - 3	.125 - .25	51.08
3 - 4	.0625 - .125	2.07
4 - 5	.031 - .0625	0.1
5 - 6	.0156 - .031	0.1
6 - 7	.0078 - .0156	0.1
7 - 8	.0039 - .0078	0.1
8<	<.0039	2.38

Mean Phi 2
Std. Dev. 1.39
%Gravel 0.55
%Sand 96.67
%Mud 2.78
%CaCO3 45.96
%TOC 0.4

Sample **J105**

Latitude 27° 45.534'
Longitude 82° 56.812'
Water Depth 9.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.67
-1 - 0	1.00 - 2.00	1.67
0 - 1	.5 - 1.00	5.58
1 - 2	.25 - .50	26.69
2 - 3	.125 - .25	58.83
3 - 4	.0625 - .125	1
4 - 5	.031 - .0625	0.1
5 - 6	.0156 - .031	0.1
6 - 7	.0078 - .0156	0.1
7 - 8	.0039 - .0078	0.1
8<	<.0039	2.15

Mean Phi 2.17
Std. Dev. 1.23
%Gravel 0.67
%Sand 96.77
%Mud 2.55
%CaCO3 30.38
%TOC 0.49

Sample **J106**

Latitude 27° 45.983'
Longitude 82° 53.974'
Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	16.91
-1 - 0	1.00 - 2.00	23.58
0 - 1	.5 - 1.00	36.91
1 - 2	.25 - .50	16.79
2 - 3	.125 - .25	1.55
3 - 4	.0625 - .125	0.12
4 - 5	.031 - .0625	0.37
5 - 6	.0156 - .031	0.37
6 - 7	.0078 - .0156	0.37
7 - 8	.0039 - .0078	0.37
8<	<.0039	2.65

Mean Phi 0.42
Std. Dev. 1.82
%Gravel 16.91
%Sand 78.95
%Mud 4.13
%CaCO3 82.81
%TOC 0.47

Sample **J107**

Latitude 27° 46.378'
Longitude 82° 51.480'
Water Depth 7.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	15.88
-1 - 0	1.00 - 2.00	32.12
0 - 1	.5 - 1.00	33.9
1 - 2	.25 - .50	13.04
2 - 3	.125 - .25	2.37
3 - 4	.0625 - .125	0.12
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	2.23

Mean Phi 0.24
Std. Dev. 1.63
%Gravel 15.88
%Sand 81.55
%Mud 2.59
%CaCO3 77.76
%TOC 0.26

Sample **J108**

Latitude 27° 46.902'
Longitude 82° 48.284'
Water Depth 5.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.12
-1 - 0	1.00 - 2.00	1.04
0 - 1	.5 - 1.00	1.5
1 - 2	.25 - .50	3.91
2 - 3	.125 - .25	43.74
3 - 4	.0625 - .125	42.24
4 - 5	.031 - .0625	1.11
5 - 6	.0156 - .031	1.11
6 - 7	.0078 - .0156	1.11
7 - 8	.0039 - .0078	1.11
8<	<.0039	3.02

Mean Phi 3.15
Std. Dev. 1.38
%Gravel 0.12
%Sand 92.43
%Mud 7.46
%CaCO3 16.75
%TOC 0.64

Sample **J109**

Latitude 27 °48.766'
Longitude 82 °49.985'
Water Depth 4.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.31
-1 - 0	1.00 - 2.00	0.21
0 - 1	.5 - 1.00	1.54
1 - 2	.25 - .50	7.82
2 - 3	.125 - .25	63.77
3 - 4	.0625 - .125	22.42
4 - 5	.031 - .0625	0.46
5 - 6	.0156 - .031	0.46
6 - 7	.0078 - .0156	0.46
7 - 8	.0039 - .0078	0.46
8<	<.0039	2.09

Mean Phi 2.79
Std. Dev. 1.16
%Gravel 0.31
%Sand 95.76
%Mud 3.93
%CaCO3 15.94
%TOC 0.23

Sample **J110**

Latitude 27 °50.170'
Longitude 82 °50.914'
Water Depth 4.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.12
-1 - 0	1.00 - 2.00	0.36
0 - 1	.5 - 1.00	1.42
1 - 2	.25 - .50	5.09
2 - 3	.125 - .25	79.78
3 - 4	.0625 - .125	9.59
4 - 5	.031 - .0625	0.21
5 - 6	.0156 - .031	0.21
6 - 7	.0078 - .0156	0.21
7 - 8	.0039 - .0078	0.21
8<	<.0039	2.81

Mean Phi 2.7
Std. Dev. 1.16
%Gravel 0.12
%Sand 96.24
%Mud 3.65
%CaCO3 11.69
%TOC 0.2

Sample **J111**

Latitude 27 °50.575'
Longitude 82 °54.513'
Water Depth 8.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	5.98
-1 - 0	1.00 - 2.00	9.77
0 - 1	.5 - 1.00	17.35
1 - 2	.25 - .50	32.51
2 - 3	.125 - .25	29.42
3 - 4	.0625 - .125	1.7
4 - 5	.031 - .0625	0.19
5 - 6	.0156 - .031	0.19
6 - 7	.0078 - .0156	0.19
7 - 8	.0039 - .0078	0.19
8<	<.0039	2.52

Mean Phi 1.49
Std. Dev. 1.69
%Gravel 5.98
%Sand 90.75
%Mud 3.28
%CaCO3 58.32
%TOC 0.23

Sample **J112**

Latitude 27 °50.211'
Longitude 82 °58.739'
Water Depth 9.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	6.44
-1 - 0	1.00 - 2.00	16.64
0 - 1	.5 - 1.00	39.55
1 - 2	.25 - .50	25.06
2 - 3	.125 - .25	10.25
3 - 4	.0625 - .125	0.32
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	1.57

Mean Phi 0.8
Std. Dev. 1.44
%Gravel 6.44
%Sand 91.64
%Mud 1.73
%CaCO3 81.86
%TOC 0.89

Sample **J113**

Latitude 27° 50.048'
Longitude 83° 00.801'
Water Depth 12.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.29
-1 - 0	1.00 - 2.00	0.66
0 - 1	.5 - 1.00	2.43
1 - 2	.25 - .50	11.85
2 - 3	.125 - .25	77.67
3 - 4	.0625 - .125	5.37
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	1.42

Mean Phi 2.45
Std. Dev. 0.96
%Gravel 0.29
%Sand 97.98
%Mud 1.7
%CaCO₃ 30.14
%TOC 0.28

Sample **J114**

Latitude 27° 49.735'
Longitude 83° 04.733'
Water Depth 15.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.39
-1 - 0	1.00 - 2.00	4.59
0 - 1	.5 - 1.00	43.72
1 - 2	.25 - .50	45.66
2 - 3	.125 - .25	2.37
3 - 4	.0625 - .125	0.14
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	2.06

Mean Phi 1.1
Std. Dev. 1.28
%Gravel 1.39
%Sand 96.48
%Mud 2.14
%CaCO₃ 89.6
%TOC 0.24

Sample **J115**

Latitude 27° 49.608'
Longitude 83° 06.703'
Water Depth 18m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	1.35
0 - 1	.5 - 1.00	5.42
1 - 2	.25 - .50	10.02
2 - 3	.125 - .25	60.39
3 - 4	.0625 - .125	17.33
4 - 5	.031 - .0625	0.2
5 - 6	.0156 - .031	0.2
6 - 7	.0078 - .0156	0.2
7 - 8	.0039 - .0078	0.2
8<	<.0039	4.68

Mean Phi 2.73
Std. Dev. 1.53
%Gravel 6.77
%Sand 87.74
%Mud 5.48
%CaCO₃ 41.23
%TOC 0.27

Sample **J116**

Latitude 27° 50.350'
Longitude 83° 06.579'
Water Depth 17.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.39
-1 - 0	1.00 - 2.00	1.36
0 - 1	.5 - 1.00	3.12
1 - 2	.25 - .50	7.4
2 - 3	.125 - .25	55.53
3 - 4	.0625 - .125	27.08
4 - 5	.031 - .0625	0.37
5 - 6	.0156 - .031	0.37
6 - 7	.0078 - .0156	0.37
7 - 8	.0039 - .0078	0.37
8<	<.0039	3.66

Mean Phi 2.85
Std. Dev. 1.43
%Gravel 0.39
%Sand 94.49
%Mud 5.14
%CaCO₃ 33.99
%TOC 0.16

Mean Phi	Limestone	fragment
Std. Dev.	--	
%Gravel	--	
%Sand	--	
%Mud	--	
%CaCO3	--	
%TOC	--	

Sample **J121**

Latitude 27 °54.492'
 Longitude 82 °56.324'
 Water Depth 13.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.58
-1 - 0	1.00 - 2.00	5.21
0 - 1	.5 - 1.00	12.28
1 - 2	.25 - .50	17.26
2 - 3	.125 - .25	39.39
3 - 4	.0625 - .125	23.28
4 - 5	.031 - .0625	0.14
5 - 6	.0156 - .031	0.14
6 - 7	.0078 - .0156	0.14
7 - 8	.0039 - .0078	0.14
8<	<.0039	1.42

Mean Phi 2.24
 Std. Dev. 1.41
 %Gravel 0.58
 %Sand 97.42
 %Mud 1.98
 %CaCO3 39.42
 %TOC 0.49

Sample **J122**

Latitude 27 °54.443'
 Longitude 82 °51.453'
 Water Depth 5.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	8.86
-1 - 0	1.00 - 2.00	4.31
0 - 1	.5 - 1.00	4.25
1 - 2	.25 - .50	10.89
2 - 3	.125 - .25	59.33
3 - 4	.0625 - .125	10.34
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	1.65

Mean Phi 2.04
 Std. Dev. 1.62
 %Gravel 8.86
 %Sand 89.12
 %Mud 2.01
 %CaCO3 22.87
 %TOC 0.51

Sample **J123**

Latitude 27 °56.459'
 Longitude 82 °50.741'
 Water Depth 5.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.7
-1 - 0	1.00 - 2.00	1.19
0 - 1	.5 - 1.00	3.13
1 - 2	.25 - .50	10.24
2 - 3	.125 - .25	63.85
3 - 4	.0625 - .125	17.84
4 - 5	.031 - .0625	0.3
5 - 6	.0156 - .031	0.3
6 - 7	.0078 - .0156	0.3
7 - 8	.0039 - .0078	0.3
8<	<.0039	1.87

Mean Phi 2.6
 Std. Dev. 1.2
 %Gravel 0.7
 %Sand 96.25
 %Mud 3.07
 %CaCO3 15.42
 %TOC 0.63

Sample **J124**

Latitude 27 °58.974'
 Longitude 82 °50.296'
 Water Depth 4.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.12
-1 - 0	1.00 - 2.00	0.48
0 - 1	.5 - 1.00	0.48
1 - 2	.25 - .50	1.81
2 - 3	.125 - .25	34.77
3 - 4	.0625 - .125	58.19
4 - 5	.031 - .0625	0.18
5 - 6	.0156 - .031	0.18
6 - 7	.0078 - .0156	0.18
7 - 8	.0039 - .0078	0.18
8<	<.0039	3.41

Mean Phi 3.26
 Std. Dev. 1.19
 %Gravel 0.12
 %Sand 95.73
 %Mud 4.13
 %CaCO3 14.34
 %TOC 0.52

Sample **J125**

Latitude 27°59.550'
Longitude 82°52.960'
Water Depth 7.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.92
-1 - 0	1.00 - 2.00	1.02
0 - 1	.5 - 1.00	3.1
1 - 2	.25 - .50	18.32
2 - 3	.125 - .25	69.86
3 - 4	.0625 - .125	5.8
4 - 5	.031 - .0625	0.03
5 - 6	.0156 - .031	0.03
6 - 7	.0078 - .0156	0.03
7 - 8	.0039 - .0078	0.03
8<	<.0039	0.85

Mean Phi 2.3
Std. Dev. 0.94
%Gravel 0.92
%Sand 98.1
%Mud 0.97
%CaCO3 20.71
%TOC 0.36

Sample **J126**

Latitude 27°59.587'
Longitude 83°00.092'
Water Depth 12.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.22
-1 - 0	1.00 - 2.00	5.99
0 - 1	.5 - 1.00	4.51
1 - 2	.25 - .50	4.14
2 - 3	.125 - .25	43.79
3 - 4	.0625 - .125	36.77
4 - 5	.031 - .0625	0.33
5 - 6	.0156 - .031	0.33
6 - 7	.0078 - .0156	0.33
7 - 8	.0039 - .0078	0.33
8<	<.0039	1.24

Mean Phi 2.59
Std. Dev. 1.45
%Gravel 2.22
%Sand 95.2
%Mud 2.56
%CaCO3 23.42
%TOC 0.28

Sample **J127**

Latitude 27°59.590'
Longitude 83°02.307'
Water Depth 15.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.45
-1 - 0	1.00 - 2.00	1.67
0 - 1	.5 - 1.00	2.11
1 - 2	.25 - .50	4.01
2 - 3	.125 - .25	52.07
3 - 4	.0625 - .125	36.27
4 - 5	.031 - .0625	0.42
5 - 6	.0156 - .031	0.42
6 - 7	.0078 - .0156	0.42
7 - 8	.0039 - .0078	0.42
8<	<.0039	0.75

Mean Phi 2.78
Std. Dev. 1.14
%Gravel 1.45
%Sand 96.13
%Mud 2.43
%CaCO3 25.83
%TOC 0.26

Sample **J128**

Latitude 28°00.038'
Longitude 83°03.992'
Water Depth 14.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.2
-1 - 0	1.00 - 2.00	1.39
0 - 1	.5 - 1.00	2.78
1 - 2	.25 - .50	5.36
2 - 3	.125 - .25	66.96
3 - 4	.0625 - .125	21.26
4 - 5	.031 - .0625	0.15
5 - 6	.0156 - .031	0.15
6 - 7	.0078 - .0156	0.15
7 - 8	.0039 - .0078	0.15
8<	<.0039	1.44

Mean Phi 2.66
Std. Dev. 1.05
%Gravel 0.2
%Sand 97.75
%Mud 2.04
%CaCO3 28.05
%TOC 0.58

Sample **J129**

Latitude 28° 02.170'
Longitude 83° 04.012'
Water Depth 16.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.91
-1 - 0	1.00 - 2.00	8.59
0 - 1	.5 - 1.00	62.7
1 - 2	.25 - .50	24.32
2 - 3	.125 - .25	1.69
3 - 4	.0625 - .125	0.13
4 - 5	.031 - .0625	0.21
5 - 6	.0156 - .031	0.21
6 - 7	.0078 - .0156	0.21
7 - 8	.0039 - .0078	0.21
8<	<.0039	0.82

Mean Phi 0.79
Std. Dev. 1.07
%Gravel 0.91
%Sand 97.43
%Mud 1.66
%CaCO₃ 97.18
%TOC 0.12

Sample **J130**

Latitude 28° 04.613'
Longitude 83° 03.992'
Water Depth 14.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1
-1 - 0	1.00 - 2.00	1.1
0 - 1	.5 - 1.00	1.89
1 - 2	.25 - .50	3.89
2 - 3	.125 - .25	60.13
3 - 4	.0625 - .125	30.12
4 - 5	.031 - .0625	0.3
5 - 6	.0156 - .031	0.3
6 - 7	.0078 - .0156	0.3
7 - 8	.0039 - .0078	0.3
8<	<.0039	0.68

Mean Phi 2.73
Std. Dev. 1.01
%Gravel 1
%Sand 97.13
%Mud 1.88
%CaCO₃ 21.52
%TOC 0.18

Sample **J131**

Latitude 28° 05.073'
Longitude 83° 01.506'
Water Depth 12.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	44.88
-1 - 0	1.00 - 2.00	4.49
0 - 1	.5 - 1.00	7.48
1 - 2	.25 - .50	10.66
2 - 3	.125 - .25	12.72
3 - 4	.0625 - .125	16.46
4 - 5	.031 - .0625	0.21
5 - 6	.0156 - .031	0.21
6 - 7	.0078 - .0156	0.21
7 - 8	.0039 - .0078	0.21
8<	<.0039	2.48

Mean Phi 0.66
Std. Dev. 2.4
%Gravel 44.88
%Sand 51.81
%Mud 3.32
%CaCO₃ 56.3
%TOC 0.38

Sample **J132**

Latitude 28° 05.018'
Longitude 82° 59.194'
Water Depth 11.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.88
-1 - 0	1.00 - 2.00	9.12
0 - 1	.5 - 1.00	17.96
1 - 2	.25 - .50	28.71
2 - 3	.125 - .25	35.12
3 - 4	.0625 - .125	4.15
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	0.84

Mean Phi 1.52
Std. Dev. 1.37
%Gravel 3.88
%Sand 95.06
%Mud 1.08
%CaCO₃ 20.68
%TOC 0.23

Sample **J133**

Latitude 28 °04'996"
Longitude 82 °56'098"
Water Depth 10m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	29.47
-1 - 0	1.00 - 2.00	27.86
0 - 1	.5 - 1.00	22.03
1 - 2	.25 - .50	13.38
2 - 3	.125 - .25	5.83
3 - 4	.0625 - .125	0.3
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	0.88

Mean Phi -0.02
Std. Dev. 1.49
%Gravel 29.47
%Sand 69.4
%Mud 1.12
%CaCO3 91.9
%TOC 0.42

Sample **J134**

Latitude 28 °05.820"
Longitude 82 °51.504"
Water Depth 4.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.42
-1 - 0	1.00 - 2.00	0.42
0 - 1	.5 - 1.00	0.58
1 - 2	.25 - .50	1.84
2 - 3	.125 - .25	61.53
3 - 4	.0625 - .125	33.73
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	1.15

Mean Phi 2.86
Std. Dev. 0.9
%Gravel 0.42
%Sand 98.1
%Mud 1.47
%CaCO3 7.21
%TOC 0.18

Sample **J135**

Latitude 28 °07.077"
Longitude 82 °51.475"
Water Depth 3.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.08
-1 - 0	1.00 - 2.00	0.15
0 - 1	.5 - 1.00	0.75
1 - 2	.25 - .50	3.45
2 - 3	.125 - .25	81.1
3 - 4	.0625 - .125	14.57
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.28

Mean Phi 2.59
Std. Dev. 0.53
%Gravel 0
%Sand 100.02
%Mud 0.28
%CaCO3 3.27
%TOC 0.06

Sample **J136**

Latitude 28 °08.159"
Longitude 82 °52.727"
Water Depth 4.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.86
-1 - 0	1.00 - 2.00	2.34
0 - 1	.5 - 1.00	4.13
1 - 2	.25 - .50	10.72
2 - 3	.125 - .25	66.84
3 - 4	.0625 - .125	13.55
4 - 5	.031 - .0625	0.15
5 - 6	.0156 - .031	0.15
6 - 7	.0078 - .0156	0.15
7 - 8	.0039 - .0078	0.15
8<	<.0039	0.94

Mean Phi 2.42
Std. Dev. 1.08
%Gravel 0.86
%Sand 97.58
%Mud 1.54
%CaCO3 19.57
%TOC 0.17

Sample **J137**

Latitude 28 °08.884'
Longitude 82 °59.157'
Water Depth 9.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	20.01
-1 - 0	1.00 - 2.00	8.94
0 - 1	.5 - 1.00	6.91
1 - 2	.25 - .50	6.47
2 - 3	.125 - .25	34.8
3 - 4	.0625 - .125	21.31
4 - 5	.031 - .0625	0.18
5 - 6	.0156 - .031	0.18
6 - 7	.0078 - .0156	0.18
7 - 8	.0039 - .0078	0.18
8<	<.0039	0.86

Mean Phi 1.52
Std. Dev. 2
%Gravel 20.01
%Sand 78.43
%Mud 1.58
%CaCO3 43.59
%TOC 0.78

Sample **J138**

Latitude 28 °08.406'
Longitude 82 °54.992'
Water Depth 10.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.65
-1 - 0	1.00 - 2.00	12.29
0 - 1	.5 - 1.00	22.91
1 - 2	.25 - .50	26.07
2 - 3	.125 - .25	30.72
3 - 4	.0625 - .125	3.32
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	0.71

Mean Phi 1.35
Std. Dev. 1.37
%Gravel 3.65
%Sand 95.31
%Mud 1.03
%CaCO3 65.34
%TOC 0.97

Sample **J139**

Latitude 28 °09.070'
Longitude 83 °00.922'
Water Depth 11.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	7.88
-1 - 0	1.00 - 2.00	15.99
0 - 1	.5 - 1.00	31.67
1 - 2	.25 - .50	27.35
2 - 3	.125 - .25	15.38
3 - 4	.0625 - .125	0.68
4 - 5	.031 - .0625	0.18
5 - 6	.0156 - .031	0.18
6 - 7	.0078 - .0156	0.18
7 - 8	.0039 - .0078	0.18
8<	<.0039	0.32

Mean Phi 0.85
Std. Dev. 1.32
%Gravel 7.88
%Sand 91.07
%Mud 1.04
%CaCO3 85.52
%TOC 0.78

Sample **J140**

Latitude 28 °09.333'
Longitude 83 °03.145'
Water Depth 13m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.14
-1 - 0	1.00 - 2.00	4.28
0 - 1	.5 - 1.00	27.21
1 - 2	.25 - .50	50.56
2 - 3	.125 - .25	13.71
3 - 4	.0625 - .125	0.64
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.45

Mean Phi 1.33
Std. Dev. 1.22
%Gravel 2.14
%Sand 96.4
%Mud 1.45
%CaCO3 90.23
%TOC 0.31

Sample **J141**

Latitude 28 °09.652'
Longitude 83 °05.941'
Water Depth 15.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	8.73
-1 - 0	1.00 - 2.00	22.66
0 - 1	.5 - 1.00	50.82
1 - 2	.25 - .50	16.38
2 - 3	.125 - .25	0.49
3 - 4	.0625 - .125	0.1
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.45
Mean Phi	0.36	
Std. Dev.	1.21	
%Gravel	8.73	
%Sand	90.45	
%Mud	1.45	
%CaCO3	96.16	
%TOC	0.73	

Sample **J142**

Latitude 28 °09.985'
Longitude 83 °08.817'
Water Depth 17.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.31
-1 - 0	1.00 - 2.00	1.15
0 - 1	.5 - 1.00	7.31
1 - 2	.25 - .50	43.5
2 - 3	.125 - .25	40.66
3 - 4	.0625 - .125	2.77
4 - 5	.031 - .0625	0.12
5 - 6	.0156 - .031	0.12
6 - 7	.0078 - .0156	0.12
7 - 8	.0039 - .0078	0.12
8<	<.0039	0.83
Mean Phi	1.85	
Std. Dev.	1.15	
%Gravel	3.31	
%Sand	95.39	
%Mud	1.31	
%CaCO3	66.42	
%TOC	0.89	

Sample **J143**

Latitude 28 °11.505'
Longitude 83 °07.275'
Water Depth 14.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.12
-1 - 0	1.00 - 2.00	0.69
0 - 1	.5 - 1.00	2.5
1 - 2	.25 - .50	10.79
2 - 3	.125 - .25	67.7
3 - 4	.0625 - .125	17.28
4 - 5	.031 - .0625	0.12
5 - 6	.0156 - .031	0.12
6 - 7	.0078 - .0156	0.12
7 - 8	.0039 - .0078	0.12
8<	<.0039	0.45
Mean Phi	2.53	
Std. Dev.	0.83	
%Gravel	0.12	
%Sand	98.96	
%Mud	0.93	
%CaCO3	27.21	
%TOC	0.49	

Sample **J144**

Latitude 28 °13.114'
Longitude 83 °05.525'
Water Depth 14.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.57
-1 - 0	1.00 - 2.00	4.06
0 - 1	.5 - 1.00	15.43
1 - 2	.25 - .50	35.04
2 - 3	.125 - .25	41.33
3 - 4	.0625 - .125	2.98
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	0.33
Mean Phi	1.76	
Std. Dev.	1.03	
%Gravel	0.57	
%Sand	98.84	
%Mud	0.57	
%CaCO3	72.13	
%TOC	1.01	

Sample **J145**

Latitude 28 ° 14.445'
Longitude 83 ° 03.811'
Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	13.72
-1 - 0	1.00 - 2.00	43.85
0 - 1	.5 - 1.00	32.82
1 - 2	.25 - .50	6.75
2 - 3	.125 - .25	1.59
3 - 4	.0625 - .125	0.22
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	2.21

Mean Phi 0.01
Std. Dev. 1.39
%Gravel 13.72
%Sand 85.23
%Mud 2.21
%CaCO3 95.93
%TOC 0.39

Sample **J146**

Latitude 28 ° 14.001'
Longitude 83 ° 00.836'
Water Depth 9.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.14
-1 - 0	1.00 - 2.00	0.72
0 - 1	.5 - 1.00	1.73
1 - 2	.25 - .50	4.62
2 - 3	.125 - .25	72.21
3 - 4	.0625 - .125	20.58
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.52

Mean Phi 2.61
Std. Dev. 0.72
%Gravel 0.14
%Sand 99.86
%Mud 0.52
%CaCO3 16.08
%TOC 0.47

Sample **J147**

Latitude 28 ° 13.594'
Longitude 82 ° 58.280'
Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.45
-1 - 0	1.00 - 2.00	1.49
0 - 1	.5 - 1.00	2.03
1 - 2	.25 - .50	3.34
2 - 3	.125 - .25	76.53
3 - 4	.0625 - .125	15.55
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.96

Mean Phi 2.56
Std. Dev. 0.88
%Gravel 0.45
%Sand 98.94
%Mud 0.96
%CaCO3 14.54
%TOC 0.23

Sample **J148**

Latitude 28 ° 13.234'
Longitude 82 ° 56.048'
Water Depth 6.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.55
-1 - 0	1.00 - 2.00	4.22
0 - 1	.5 - 1.00	3.56
1 - 2	.25 - .50	3.78
2 - 3	.125 - .25	58.26
3 - 4	.0625 - .125	26.04
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	1.51

Mean Phi 2.52
Std. Dev. 1.33
%Gravel 2.55
%Sand 95.86
%Mud 1.59
%CaCO3 19.32
%TOC 0.19

Sample **J149**

Latitude 28 °12.642'
Longitude 82 °52.568'
Water Depth 13.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	7.19
-1 - 0	1.00 - 2.00	1.94
0 - 1	.5 - 1.00	3.18
1 - 2	.25 - .50	10.33
2 - 3	.125 - .25	70.75
3 - 4	.0625 - .125	5.64
4 - 5	.031 - .0625	0.19
5 - 6	.0156 - .031	0.19
6 - 7	.0078 - .0156	0.19
7 - 8	.0039 - .0078	0.19
8<	<.0039	0.21

Mean Phi 2.08
Std. Dev. 1.27
%Gravel 7.19
%Sand 91.84
%Mud 0.97
%CaCO3 19.81
%TOC 0.65

Sample **J150**

Latitude 28 °11.558'
Longitude 82 °56.859'
Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	--
-1 - 0	1.00 - 2.00	--
0 - 1	.5 - 1.00	--
1 - 2	.25 - .50	--
2 - 3	.125 - .25	--
3 - 4	.0625 - .125	--
4 - 5	.031 - .0625	--
5 - 6	.0156 - .031	--
6 - 7	.0078 - .0156	--
7 - 8	.0039 - .0078	--
8<	<.0039	--

Mean Phi Rock Fragment
Std. Dev. --
%Gravel --
%Sand --
%Mud --
%CaCO3 --
%TOC --

Sample **J151**

Latitude 28 °11.183'
Longitude 82 °58.919'
Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	84.8
-1 - 0	1.00 - 2.00	11.98
0 - 1	.5 - 1.00	2.75
1 - 2	.25 - .50	0.16
2 - 3	.125 - .25	0
3 - 4	.0625 - .125	0.11
4 - 5	.031 - .0625	0.01
5 - 6	.0156 - .031	0.01
6 - 7	.0078 - .0156	0.01
7 - 8	.0039 - .0078	0.01
8<	<.0039	0.21

Mean Phi -1.29
Std. Dev. 0.67
%Gravel 84.8
%Sand 15
%Mud 0.25
%CaCO3 88.38
%TOC 0.75

Sample **J152**

Latitude 28 °10.760'
Longitude 83 °01.101'
Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.33
-1 - 0	1.00 - 2.00	3.67
0 - 1	.5 - 1.00	23.58
1 - 2	.25 - .50	31.79
2 - 3	.125 - .25	36.53
3 - 4	.0625 - .125	3.14
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.09

Mean Phi 1.68
Std. Dev. 1.17
%Gravel 0.33
%Sand 98.71
%Mud 1.09
%CaCO3 70.45
%TOC 0.49

Sample **J153**

Latitude 28 °07.922'
Longitude 83 °01.359'
Water Depth 12.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.06
-1 - 0	1.00 - 2.00	0.49
0 - 1	.5 - 1.00	1.53
1 - 2	.25 - .50	6.51
2 - 3	.125 - .25	62.5
3 - 4	.0625 - .125	28.18
4 - 5	.031 - .0625	0.14
5 - 6	.0156 - .031	0.14
6 - 7	.0078 - .0156	0.14
7 - 8	.0039 - .0078	0.14
8<	<.0039	0.17

Mean Phi 2.7
Std. Dev. 0.75
%Gravel 0.06
%Sand 99.21
%Mud 0.73
%CaCO3 22.51
%TOC 0.35

Sample **J154**

Latitude 28 °03.075'
Longitude 83 °01.255'
Water Depth 14.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	86.87
-1 - 0	1.00 - 2.00	8.74
0 - 1	.5 - 1.00	2.9
1 - 2	.25 - .50	0.71
2 - 3	.125 - .25	0.33
3 - 4	.0625 - .125	0.22
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	0.03

Mean Phi -1.29
Std. Dev. 0.69
%Gravel 86.87
%Sand 12.9
%Mud 0.23
%CaCO3 88.22
%TOC 0.93

Sample **J155**

Latitude 28 °00.991'
Longitude 83 °01.198'
Water Depth 13.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.44
0 - 1	.5 - 1.00	2.46
1 - 2	.25 - .50	7.81
2 - 3	.125 - .25	70.28
3 - 4	.0625 - .125	18.34
4 - 5	.031 - .0625	0.12
5 - 6	.0156 - .031	0.12
6 - 7	.0078 - .0156	0.12
7 - 8	.0039 - .0078	0.12
8<	<.0039	0.2

Mean Phi 2.57
Std. Dev. 0.73
%Gravel 0
%Sand 99.33
%Mud 0.68
%CaCO3 22.63
%TOC 1.41

Sample **J156**

Latitude 27 °58.628'
Longitude 83 °01.134'
Water Depth 14.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	11.62
-1 - 0	1.00 - 2.00	16.95
0 - 1	.5 - 1.00	58.3
1 - 2	.25 - .50	12.16
2 - 3	.125 - .25	0.42
3 - 4	.0625 - .125	0.12
4 - 5	.031 - .0625	0.02
5 - 6	.0156 - .031	0.02
6 - 7	.0078 - .0156	0.02
7 - 8	.0039 - .0078	0.02
8<	<.0039	0.36

Mean Phi 0.26
Std. Dev. 0.99
%Gravel 11.62
%Sand 87.95
%Mud 0.44
%CaCO3 94.55
%TOC 0.39

Sample **J157**

Latitude 27 °56.429'
Longitude 83 °01.104'
Water Depth 13.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0
-1 - 0	1.00 - 2.00	0.21
0 - 1	.5 - 1.00	1.12
1 - 2	.25 - .50	3.78
2 - 3	.125 - .25	71.32
3 - 4	.0625 - .125	22.12
4 - 5	.031 - .0625	0.21
5 - 6	.0156 - .031	0.21
6 - 7	.0078 - .0156	0.21
7 - 8	.0039 - .0078	0.21
8<	<.0039	0.61

Mean Phi 2.72
Std. Dev. 0.78
%Gravel 0
%Sand 98.46
%Mud 1.45
%CaCO₃ 27.75
%TOC 0.79

Sample **J158**

Latitude 27 °51.508'
Longitude 83 °00.962'
Water Depth 11.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	9.94
-1 - 0	1.00 - 2.00	14.73
0 - 1	.5 - 1.00	23.97
1 - 2	.25 - .50	22.45
2 - 3	.125 - .25	27.01
3 - 4	.0625 - .125	1.17
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	0.05

Mean Phi 1.01
Std. Dev. 1.45
%Gravel 9.94
%Sand 89.33
%Mud 0.74
%CaCO₃ 10.02
%TOC 1.87

Sample **J159**

Latitude 27 °48.831'
Longitude 83 °00.116'
Water Depth 11.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	65.68
-1 - 0	1.00 - 2.00	17.06
0 - 1	.5 - 1.00	12.52
1 - 2	.25 - .50	3.57
2 - 3	.125 - .25	0.9
3 - 4	.0625 - .125	0.1
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.28

Mean Phi -0.91
Std. Dev. 1.01
%Gravel 65.68
%Sand 34.15
%Mud 0.28
%CaCO₃ 89.77
%TOC 1.73

Sample **J160**

Latitude 27 °46.129'
Longitude 82 °59.389'
Water Depth 11.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	4
-1 - 0	1.00 - 2.00	17.15
0 - 1	.5 - 1.00	35.11
1 - 2	.25 - .50	26.82
2 - 3	.125 - .25	15.85
3 - 4	.0625 - .125	0.65
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.42

Mean Phi 0.89
Std. Dev. 1.19
%Gravel 4
%Sand 95.58
%Mud 0.42
%CaCO₃ 78.25
%TOC 0.96

Sample J161

Latitude 27 °43.206'
Longitude 82 °58.562'
Water Depth 12.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.12
-1 - 0	1.00 - 2.00	0.69
0 - 1	.5 - 1.00	3.34
1 - 2	.25 - .50	13.14
2 - 3	.125 - .25	71.79
3 - 4	.0625 - .125	7.95
4 - 5	.031 - .0625	0.01
5 - 6	.0156 - .031	0.01
6 - 7	.0078 - .0156	0.01
7 - 8	.0039 - .0078	0.01
8<	<.0039	2.92

Mean Phi 2.53
Std. Dev. 1.22
%Gravel 0.12
%Sand 96.91
%Mud 2.96
%CaCO3 21.17
%TOC 0.63

Sample J162

Latitude 27 °40.021'
Longitude 82 °57.674'
Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	9.1
-1 - 0	1.00 - 2.00	29.53
0 - 1	.5 - 1.00	41.7
1 - 2	.25 - .50	15.47
2 - 3	.125 - .25	2.01
3 - 4	.0625 - .125	0.24
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	1.67

Mean Phi 0.37
Std. Dev. 1.43
%Gravel 9.1
%Sand 88.95
%Mud 1.95
%CaCO3 87.05
%TOC 1.21

Sample J163

Latitude 27 °37.816'
Longitude 82 °57.066'
Water Depth 12.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	26.72
-1 - 0	1.00 - 2.00	14.67
0 - 1	.5 - 1.00	19.38
1 - 2	.25 - .50	16.12
2 - 3	.125 - .25	19.56
3 - 4	.0625 - .125	1.36
4 - 5	.031 - .0625	0.11
5 - 6	.0156 - .031	0.11
6 - 7	.0078 - .0156	0.11
7 - 8	.0039 - .0078	0.11
8<	<.0039	1.74

Mean Phi 0.58
Std. Dev. 1.88
%Gravel 26.72
%Sand 71.09
%Mud 2.18
%CaCO3 71.32
%TOC 1.44

Sample J164

Latitude 27 °35.145'
Longitude 82 °56.331'
Water Depth 14m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	41.05
-1 - 0	1.00 - 2.00	37.64
0 - 1	.5 - 1.00	17.41
1 - 2	.25 - .50	1.52
2 - 3	.125 - .25	0.36
3 - 4	.0625 - .125	0.29
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	1.58

Mean Phi -0.53
Std. Dev. 1.44
%Gravel 41.05
%Sand 57.22
%Mud 1.74
%CaCO3 90.52
%TOC 0.92

Sample **J165**

Latitude 27 °32.404'
Longitude 82 °55.588'
Water Depth 13.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.11
-1 - 0	1.00 - 2.00	0.67
0 - 1	.5 - 1.00	1
1 - 2	.25 - .50	6.58
2 - 3	.125 - .25	74.16
3 - 4	.0625 - .125	14.94
4 - 5	.031 - .0625	0.27
5 - 6	.0156 - .031	0.27
6 - 7	.0078 - .0156	0.27
7 - 8	.0039 - .0078	0.27
8<	<.0039	1.47

Mean Phi 2.66
Std. Dev. 0.99
%Gravel 0.11
%Sand 97.35
%Mud 2.55
%CaCO3 11.06
%TOC 0.17

Sample **J166**

Latitude 27 °30.441'
Longitude 82 °55.032'
Water Depth 13.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	9.74
-1 - 0	1.00 - 2.00	21.45
0 - 1	.5 - 1.00	38.21
1 - 2	.25 - .50	22.28
2 - 3	.125 - .25	6.19
3 - 4	.0625 - .125	0.5
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	1.38

Mean Phi 0.58
Std. Dev. 1.44
%Gravel 9.74
%Sand 88.63
%Mud 1.62
%CaCO3 66.94
%TOC 0.83

Sample **J167**

Latitude 27 °28.691'
Longitude 82 °54.554'
Water Depth 12.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	25.19
-1 - 0	1.00 - 2.00	35.23
0 - 1	.5 - 1.00	28.69
1 - 2	.25 - .50	6.41
2 - 3	.125 - .25	2.91
3 - 4	.0625 - .125	0.32
4 - 5	.031 - .0625	0.01
5 - 6	.0156 - .031	0.01
6 - 7	.0078 - .0156	0.01
7 - 8	.0039 - .0078	0.01
8<	<.0039	1.19

Mean Phi -0.13
Std. Dev. 1.4
%Gravel 25.19
%Sand 73.56
%Mud 1.23
%CaCO3 79.11
%TOC 0.42

Sample **J168**

Latitude 27 °24.146'
Longitude 82 °53.304'
Water Depth 15.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	9.01
-1 - 0	1.00 - 2.00	25.92
0 - 1	.5 - 1.00	51.11
1 - 2	.25 - .50	12.13
2 - 3	.125 - .25	0.74
3 - 4	.0625 - .125	0.18
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.01

Mean Phi 0.28
Std. Dev. 1.16
%Gravel 9.01
%Sand 90.08
%Mud 1.01
%CaCO3 84.97
%TOC 0.94

Sample J169

Latitude 27 °22.946'
Longitude 82 °52.987'
Water Depth 14.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.64
-1 - 0	1.00 - 2.00	11.48
0 - 1	.5 - 1.00	23.27
1 - 2	.25 - .50	41.55
2 - 3	.125 - .25	18.44
3 - 4	.0625 - .125	0.32
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.33

Mean Phi 1.21
Std. Dev. 1.33
%Gravel 3.64
%Sand 95.06
%Mud 1.33
%CaCO3 62.04
%TOC 1.54

Sample**N1**

Latitude 27° 30.325'
Longitude 82° 48.338'
Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	46.61
-1 - 0	1.00 - 2.00	12.58
0 - 1	.5 - 1.00	13.37
1 - 2	.25 - .50	14.07
2 - 3	.125 - .25	10.08
3 - 4	.0625 - .125	1.8
4 - 5	.031 - .0625	0.01
5 - 6	.0156 - .031	0.01
6 - 7	.0078 - .0156	0.01
7 - 8	.0039 - .0078	0.01
8<	<.0039	1.44

Mean Phi -0.04
Std. Dev. 1.83
%Gravel 46.61
%Sand 51.9
%Mud 1.44
%CaCO₃ 77.5
%TOC 0.26

Sample**N2**

Latitude 27° 28.547'
Longitude 82° 46.814'
Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.65
-1 - 0	1.00 - 2.00	3.98
0 - 1	.5 - 1.00	5.24
1 - 2	.25 - .50	8.4
2 - 3	.125 - .25	48.68
3 - 4	.0625 - .125	29.67
4 - 5	.031 - .0625	0.09
5 - 6	.0156 - .031	0.09
6 - 7	.0078 - .0156	0.09
7 - 8	.0039 - .0078	0.09
8<	<.0039	1

Mean Phi 2.46
Std. Dev. 1.34
%Gravel 2.65
%Sand 95.97
%Mud 1.36
%CaCO₃ 20.93
%TOC 0.35

Sample**N3**

Latitude 27° 26.873'
Longitude 82° 45.426'
Water Depth 8.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.55
-1 - 0	1.00 - 2.00	1.28
0 - 1	.5 - 1.00	1.65
1 - 2	.25 - .50	4.39
2 - 3	.125 - .25	52.13
3 - 4	.0625 - .125	38.87
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	0.81

Mean Phi 2.81
Std. Dev. 0.97
%Gravel 0.55
%Sand 98.32
%Mud 1.13
%CaCO₃ 8.72
%TOC 0.24

Sample**N4**

Latitude 27° 24.977'
Longitude 82° 43.916'
Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	6.46
-1 - 0	1.00 - 2.00	40.85
0 - 1	.5 - 1.00	30.55
1 - 2	.25 - .50	13.02
2 - 3	.125 - .25	5.43
3 - 4	.0625 - .125	2.31
4 - 5	.031 - .0625	0.01
5 - 6	.0156 - .031	0.01
6 - 7	.0078 - .0156	0.01
7 - 8	.0039 - .0078	0.01
8<	<.0039	1.35

Mean Phi 0.38
Std. Dev. 1.44
%Gravel 6.46
%Sand 92.16
%Mud 1.39
%CaCO₃ 89.48
%TOC 0.8

Sample**N5**

Latitude 27 ° 24.635'
 Longitude 82 ° 42.814'
 Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	17.93
-1 - 0	1.00 - 2.00	24.59
0 - 1	.5 - 1.00	45.6
1 - 2	.25 - .50	9.62
2 - 3	.125 - .25	0.38
3 - 4	.0625 - .125	0.25
4 - 5	.031 - .0625	0.03
5 - 6	.0156 - .031	0.03
6 - 7	.0078 - .0156	0.03
7 - 8	.0039 - .0078	0.03
8<	<.0039	1.5

Mean Phi 0.13
 Std. Dev. 1.4
 %Gravel 17.93
 %Sand 80.44
 %Mud 1.62
 %CaCO3 95.37
 %TOC 0.55

Sample**N6**

Latitude 27 ° 24.391'
 Longitude 82 ° 41.273'
 Water Depth 8.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	5.5
-1 - 0	1.00 - 2.00	7.16
0 - 1	.5 - 1.00	7.26
1 - 2	.25 - .50	6.87
2 - 3	.125 - .25	23.85
3 - 4	.0625 - .125	47.31
4 - 5	.031 - .0625	0.15
5 - 6	.0156 - .031	0.15
6 - 7	.0078 - .0156	0.15
7 - 8	.0039 - .0078	0.15
8<	<.0039	1.46

Mean Phi 2.43
 Std. Dev. 1.72
 %Gravel 5.5
 %Sand 92.45
 %Mud 2.06
 %CaCO3 31.54
 %TOC 0.88

Sample**N7**

Latitude 27 ° 22.954'
 Longitude 82 ° 40.355'
 Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	61.17
-1 - 0	1.00 - 2.00	19.86
0 - 1	.5 - 1.00	11.85
1 - 2	.25 - .50	2.47
2 - 3	.125 - .25	1.03
3 - 4	.0625 - .125	1.58
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	1.84

Mean Phi -0.67
 Std. Dev. 1.65
 %Gravel 61.17
 %Sand 36.79
 %Mud 2.04
 %CaCO3 93.14
 %TOC 0.92

Sample**N8**

Latitude 27 ° 20".809
 Longitude 82 ° 39.010'
 Water Depth 9.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.3
-1 - 0	1.00 - 2.00	2.55
0 - 1	.5 - 1.00	4.42
1 - 2	.25 - .50	4.16
2 - 3	.125 - .25	32.23
3 - 4	.0625 - .125	53.83
4 - 5	.031 - .0625	0.23
5 - 6	.0156 - .031	0.23
6 - 7	.0078 - .0156	0.23
7 - 8	.0039 - .0078	0.23
8<	<.0039	1.61

Mean Phi 2.95
 Std. Dev. 1.24
 %Gravel 0.3
 %Sand 97.19
 %Mud 2.53
 %CaCO3 29.04
 %TOC 0.38

Sample **N9**

Latitude 27 °19.081'
Longitude 82 °37.911'
Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	5.62
-1 - 0	1.00 - 2.00	6.24
0 - 1	.5 - 1.00	8.09
1 - 2	.25 - .50	79.26
2 - 3	.125 - .25	0.27
3 - 4	.0625 - .125	0.06
4 - 5	.031 - .0625	0.01
5 - 6	.0156 - .031	0.01
6 - 7	.0078 - .0156	0.01
7 - 8	.0039 - .0078	0.01
8<	<.0039	0.44

Mean Phi 1.16
Std. Dev. 0.97
%Gravel 5.62
%Sand 93.92
%Mud 0.48
%CaCO3 93.73
%TOC 0.82

Sample **N10**

Latitude 27 °17.090'
Longitude 82 °36.658'
Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	37.31
-1 - 0	1.00 - 2.00	31.07
0 - 1	.5 - 1.00	26.27
1 - 2	.25 - .50	3.61
2 - 3	.125 - .25	0.33
3 - 4	.0625 - .125	0.33
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.11

Mean Phi -0.42
Std. Dev. 1.32
%Gravel 37.31
%Sand 61.61
%Mud 1.11
%CaCO3 92.99
%TOC 0.7

Sample **N11**

Latitude 27 °14.663'
Longitude 82 °35.065'
Water Depth 9.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.19
-1 - 0	1.00 - 2.00	1.24
0 - 1	.5 - 1.00	2.17
1 - 2	.25 - .50	5.58
2 - 3	.125 - .25	54.03
3 - 4	.0625 - .125	34.64
4 - 5	.031 - .0625	0.15
5 - 6	.0156 - .031	0.15
6 - 7	.0078 - .0156	0.15
7 - 8	.0039 - .0078	0.15
8<	<.0039	1.54

Mean Phi 2.82
Std. Dev. 1.08
%Gravel 0.19
%Sand 97.66
%Mud 2.14
%CaCO3 27.73
%TOC 0.29

Sample **N12**

Latitude 27 °13.127'
Longitude 82 °34.094'
Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	49.61
-1 - 0	1.00 - 2.00	5.81
0 - 1	.5 - 1.00	19.1
1 - 2	.25 - .50	14.58
2 - 3	.125 - .25	7.78
3 - 4	.0625 - .125	1.09
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	1.86

Mean Phi -0.06
Std. Dev. 1.88
%Gravel 49.61
%Sand 48.36
%Mud 2.02
%CaCO3 88.41
%TOC 1.18

Sample **N13**

Latitude 27 °11.163'
Longitude 82 °32.829'
Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.59
-1 - 0	1.00 - 2.00	5.18
0 - 1	.5 - 1.00	14.35
1 - 2	.25 - .50	17.17
2 - 3	.125 - .25	46.79
3 - 4	.0625 - .125	14.16
4 - 5	.031 - .0625	0.12
5 - 6	.0156 - .031	0.12
6 - 7	.0078 - .0156	0.12
7 - 8	.0039 - .0078	0.12
8<	<.0039	1.27

Mean Phi 2.1
Std. Dev. 1.35
%Gravel 0.59
%Sand 97.65
%Mud 1.75
%CaCO3 63.71
%TOC 0.73

Sample **N14**

Latitude 27 °08.973'
Longitude 82 °31.431'
Water Depth 9.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	6.49
-1 - 0	1.00 - 2.00	13.91
0 - 1	.5 - 1.00	52.14
1 - 2	.25 - .50	22.68
2 - 3	.125 - .25	1
3 - 4	.0625 - .125	0.78
4 - 5	.031 - .0625	0.23
5 - 6	.0156 - .031	0.23
6 - 7	.0078 - .0156	0.23
7 - 8	.0039 - .0078	0.23
8<	<.0039	2.06

Mean Phi 0.72
Std. Dev. 1.52
%Gravel 6.49
%Sand 90.51
%Mud 2.98
%CaCO3 93.21
%TOC 0.92

Sample **N15**

Latitude 27 °06.998'
Longitude 82 °30.180'
Water Depth 9.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	18.8
-1 - 0	1.00 - 2.00	15.12
0 - 1	.5 - 1.00	12.12
1 - 2	.25 - .50	7.7
2 - 3	.125 - .25	19.7
3 - 4	.0625 - .125	24.12
4 - 5	.031 - .0625	0.29
5 - 6	.0156 - .031	0.29
6 - 7	.0078 - .0156	0.29
7 - 8	.0039 - .0078	0.29
8<	<.0039	1.3

Mean Phi 1.33
Std. Dev. 2.11
%Gravel 18.8
%Sand 78.76
%Mud 2.46
%CaCO3 46.45
%TOC 0.24

Sample **N16**

Latitude 27 °04.753'
Longitude 82 °28.779'
Water Depth 8.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.14
-1 - 0	1.00 - 2.00	0.89
0 - 1	.5 - 1.00	2.88
1 - 2	.25 - .50	4.67
2 - 3	.125 - .25	68.07
3 - 4	.0625 - .125	21.75
4 - 5	.031 - .0625	0.11
5 - 6	.0156 - .031	0.11
6 - 7	.0078 - .0156	0.11
7 - 8	.0039 - .0078	0.11
8<	<.0039	1.16

Mean Phi 2.67
Std. Dev. 0.97
%Gravel 0.14
%Sand 98.26
%Mud 1.6
%CaCO3 19.99
%TOC 0.16

Sample **N17**

Latitude 27 °02.831'
Longitude 82 °27.563'
Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.14
-1 - 0	1.00 - 2.00	3.63
0 - 1	.5 - 1.00	8
1 - 2	.25 - .50	16.61
2 - 3	.125 - .25	62.48
3 - 4	.0625 - .125	5.99
4 - 5	.031 - .0625	0.16
5 - 6	.0156 - .031	0.16
6 - 7	.0078 - .0156	0.16
7 - 8	.0039 - .0078	0.16
8<	<.0039	1.15

Mean Phi 2.19
Std. Dev. 1.26
%Gravel 1.14
%Sand 96.71
%Mud 2.15
%CaCO3 43.15
%TOC 3.09

Sample **N18**

Latitude 27 °00.747'
Longitude 82 °26.236'
Water Depth 8.7

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	13.98
-1 - 0	1.00 - 2.00	21.14
0 - 1	.5 - 1.00	35.02
1 - 2	.25 - .50	20.8
2 - 3	.125 - .25	4.78
3 - 4	.0625 - .125	0.18
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	0.92

Mean Phi 0.37
Std. Dev. 1.36
%Gravel 13.98
%Sand 84.92
%Mud 1.08
%CaCO3 57.02
%TOC 1.17

Sample **N19**

Latitude 26 °58.778'
Longitude 82 °25.004'
Water Depth 8.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	48.18
-1 - 0	1.00 - 2.00	30
0 - 1	.5 - 1.00	16.46
1 - 2	.25 - .50	2.92
2 - 3	.125 - .25	0.95
3 - 4	.0625 - .125	0.32
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	0.98

Mean Phi -0.62
Std. Dev. 1.33
%Gravel 48.18
%Sand 50.65
%Mud 1.18
%CaCO3 73.35
%TOC 2.82

Sample **N20**

Latitude 26 °56.766'
Longitude 82 °23.747'
Water Depth 8.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	16.06
-1 - 0	1.00 - 2.00	23.98
0 - 1	.5 - 1.00	35.93
1 - 2	.25 - .50	22.04
2 - 3	.125 - .25	0.79
3 - 4	.0625 - .125	0.12
4 - 5	.031 - .0625	0.04
5 - 6	.0156 - .031	0.04
6 - 7	.0078 - .0156	0.04
7 - 8	.0039 - .0078	0.04
8<	<.0039	0.93

Mean Phi 0.26
Std. Dev. 1.32
%Gravel 16.06
%Sand 82.86
%Mud 1.09
%CaCO3 63.78
%TOC 1.72

Sample **N21**

Latitude 26 °55.479'
Longitude 82 °24.546'
Water Depth 9.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	13.73
-1 - 0	1.00 - 2.00	26.57
0 - 1	.5 - 1.00	20.34
1 - 2	.25 - .50	22.25
2 - 3	.125 - .25	14.75
3 - 4	.0625 - .125	1.91
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	0.28

Mean Phi 0.57
Std. Dev. 1.43
%Gravel 13.73
%Sand 85.82
%Mud 0.48
%CaCO3 74.64
%TOC 2.22

Sample **N22**

Latitude 26 °55.068'
Longitude 82 °27.092'
Water Depth 11.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	10.17
-1 - 0	1.00 - 2.00	15.57
0 - 1	.5 - 1.00	14.95
1 - 2	.25 - .50	25.9
2 - 3	.125 - .25	28.25
3 - 4	.0625 - .125	2.58
4 - 5	.031 - .0625	0.33
5 - 6	.0156 - .031	0.33
6 - 7	.0078 - .0156	0.33
7 - 8	.0039 - .0078	0.33
8<	<.0039	1.24

Mean Phi 1.21
Std. Dev. 1.7
%Gravel 10.17
%Sand 87.25
%Mud 2.56
%CaCO3 42.44
%TOC 0.56

Sample **N23**

Latitude 26 °56.861'
Longitude 82 °28.316'
Water Depth 11.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	6.22
-1 - 0	1.00 - 2.00	20.03
0 - 1	.5 - 1.00	24.4
1 - 2	.25 - .50	28.23
2 - 3	.125 - .25	19.51
3 - 4	.0625 - .125	1.32
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.02

Mean Phi 0.93
Std. Dev. 1.37
%Gravel 6.22
%Sand 93.49
%Mud 1.02
%CaCO3 52.56
%TOC 1.91

Sample **N24**

Latitude 26 °58.948'
Longitude 82 °29.774'
Water Depth 12.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.97
-1	2	1.39
-0.5	1.41	0
0	1	0.69
0.5	0.71	0.69
1	0.5	0
1.5	0.35	1.39
2	0.25	4.16
2.5	0.177	33.25
3	0.125	44.34
3.5	0.088	6.93
4	0.0625	0
8	0.0039	0.15
12	0.00024	2.05

Mean Phi 2.41
Std. Dev. 1.67
%Gravel 4.97
%Sand 92.84
%Mud 2.2
%CaCO3 10.27
%TOC 1.11

Sample **N25**

Latitude 27 °00.419'
Longitude 82 °30.781'
Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.65
-1 - 0	1.00 - 2.00	4.78
0 - 1	.5 - 1.00	17.6
1 - 2	.25 - .50	33.83
2 - 3	.125 - .25	38.67
3 - 4	.0625 - .125	2.28
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.39

Mean Phi 1.7
Std. Dev. 1.26
%Gravel 1.65
%Sand 97.16
%Mud 1.39
%CaCO3 63.02
%TOC 2.5

Sample **N26**

Latitude 27 °02.109'
Longitude 82 °31.975'
Water Depth 13.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	22.13
-1 - 0	1.00 - 2.00	14.12
0 - 1	.5 - 1.00	35.18
1 - 2	.25 - .50	20.06
2 - 3	.125 - .25	5.21
3 - 4	.0625 - .125	1.06
4 - 5	.031 - .0625	0.2
5 - 6	.0156 - .031	0.2
6 - 7	.0078 - .0156	0.2
7 - 8	.0039 - .0078	0.2
8<	<.0039	1.45

Mean Phi 0.41
Std. Dev. 1.64
%Gravel 22.13
%Sand 75.63
%Mud 2.25
%CaCO3 85.52
%TOC 1.53

Sample **N27**

Latitude 27 °03.827'
Longitude 82 °33.156'
Water Depth 13.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.91
-1 - 0	1.00 - 2.00	12.8
0 - 1	.5 - 1.00	42.14
1 - 2	.25 - .50	34.64
2 - 3	.125 - .25	5.59
3 - 4	.0625 - .125	0.51
4 - 5	.031 - .0625	0.48
5 - 6	.0156 - .031	0.48
6 - 7	.0078 - .0156	0.48
7 - 8	.0039 - .0078	0.48
8<	<.0039	0.51

Mean Phi 0.95
Std. Dev. 1.24
%Gravel 1.91
%Sand 95.68
%Mud 2.43
%CaCO3 86.93
%TOC 1.12

Sample **N28**

Latitude 27 °04.577'
Longitude 82 °33.671'
Water Depth 11.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.41
-1 - 0	1.00 - 2.00	2.17
0 - 1	.5 - 1.00	18.73
1 - 2	.25 - .50	37.99
2 - 3	.125 - .25	35.36
3 - 4	.0625 - .125	5.21
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	0.2

Mean Phi 1.73
Std. Dev. 0.95
%Gravel 0.41
%Sand 99.46
%Mud 0.2
%CaCO3 61.72
%TOC 0.6

Sample **N29**

Latitude 27 °05.942'
Longitude 82 °34.610'
Water Depth 12.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.22
-1 - 0	1.00 - 2.00	0.97
0 - 1	.5 - 1.00	1.25
1 - 2	.25 - .50	2.29
2 - 3	.125 - .25	52.68
3 - 4	.0625 - .125	36.76
4 - 5	.031 - .0625	0.45
5 - 6	.0156 - .031	0.45
6 - 7	.0078 - .0156	0.45
7 - 8	.0039 - .0078	0.45
8<	<.0039	2.01

Mean Phi 2.89
Std. Dev. 1.3
%Gravel 2.22
%Sand 93.95
%Mud 3.81
%CaCO3 20.98
%TOC 0.2

Sample **N31**

Latitude 27 °07.536'
Longitude 82 °35.738'
Water Depth 13.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	1.64
0	1	0
0.5	0.71	0
1	0.5	1.64
1.5	0.35	14.74
2	0.25	22.92
2.5	0.177	45.03
3	0.125	7.37
3.5	0.088	3.27
4	0.0625	1.64
8	0.0039	0.14
12	0.00024	1.62

Mean Phi 2.15
Std. Dev. 1.31
%Gravel 0
%Sand 96.6
%Mud 3.25
%CaCO3 70.19
%TOC 2.03

Sample **N30**

Latitude 27 °07.290'
Longitude 82 °35.558'
Water Depth 13.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	48.28
-1 - 0	1.00 - 2.00	3.27
0 - 1	.5 - 1.00	9.82
1 - 2	.25 - .50	15.82
2 - 3	.125 - .25	16.37
3 - 4	.0625 - .125	1.45
4 - 5	.031 - .0625	0.59
5 - 6	.0156 - .031	0.59
6 - 7	.0078 - .0156	0.59
7 - 8	.0039 - .0078	0.59
8<	<.0039	2.63

Mean Phi 0.37
Std. Dev. 2.31
%Gravel 48.28
%Sand 46.73
%Mud 4.99
%CaCO3 72.9
%TOC 2.08

Sample **N32**

Latitude 27 °09.058'
Longitude 82 °36.776'
Water Depth 13.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	5.13
-1 - 0	1.00 - 2.00	10.8
0 - 1	.5 - 1.00	51.9
1 - 2	.25 - .50	25.16
2 - 3	.125 - .25	4.86
3 - 4	.0625 - .125	1.03
4 - 5	.031 - .0625	0.91
5 - 6	.0156 - .031	0.91
6 - 7	.0078 - .0156	0.91
7 - 8	.0039 - .0078	0.91
8<	<.0039	0

Mean Phi 0.67
Std. Dev. 0.59
%Gravel 5.13
%Sand 93.75
%Mud 3.64
%CaCO3 91.15
%TOC 1.85

Sample **N33**

Latitude 27 °10.647'
Longitude 82 °37.872'
Water Depth 13.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	35.14
-1 - 0	1.00 - 2.00	20.55
0 - 1	.5 - 1.00	37.41
1 - 2	.25 - .50	6.94
2 - 3	.125 - .25	0.92
3 - 4	.0625 - .125	0.64
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	2.08

Mean Phi -0.34
Std. Dev. 1.12
%Gravel 35.14
%Sand 66.46
%Mud 2.08
%CaCO₃ 92.91
%TOC 1.04

Sample **N34**

Latitude 27 °12.431'
Longitude 82 °39.118'
Water Depth 12.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.19
-1 - 0	1.00 - 2.00	1.6
0 - 1	.5 - 1.00	3.86
1 - 2	.25 - .50	9.13
2 - 3	.125 - .25	25.89
3 - 4	.0625 - .125	42.36
4 - 5	.031 - .0625	3.49
5 - 6	.0156 - .031	3.49
6 - 7	.0078 - .0156	3.49
7 - 8	.0039 - .0078	3.49
8<	<.0039	3

Mean Phi 3.37
Std. Dev. 1.75
%Gravel 0.19
%Sand 82.84
%Mud 16.96
%CaCO₃ 24.2
%TOC 1.2

Sample **N35**

Latitude 27 °13.851'
Longitude 82 °40.117'
Water Depth 12.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.42
-1 - 0	1.00 - 2.00	2.27
0 - 1	.5 - 1.00	32.57
1 - 2	.25 - .50	52.04
2 - 3	.125 - .25	12.25
3 - 4	.0625 - .125	0.5
4 - 5	.031 - .0625	0
5 - 6	.0156 - .031	0
6 - 7	.0078 - .0156	0
7 - 8	.0039 - .0078	0
8<	<.0039	1.67

Mean Phi 1.29
Std. Dev. 1
%Gravel 0.42
%Sand 99.63
%Mud 1.67
%CaCO₃ 70.99
%TOC 1.82

Sample **N36**

Latitude 27 °15.300'
Longitude 82 °41.127'
Water Depth 12.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	20.28
-1 - 0	1.00 - 2.00	6.33
0 - 1	.5 - 1.00	15.44
1 - 2	.25 - .50	16.93
2 - 3	.125 - .25	26.79
3 - 4	.0625 - .125	2.79
4 - 5	.031 - .0625	2.33
5 - 6	.0156 - .031	2.33
6 - 7	.0078 - .0156	2.33
7 - 8	.0039 - .0078	2.33
8<	<.0039	2.13

Mean Phi 1.5
Std. Dev. 2.38
%Gravel 20.28
%Sand 68.28
%Mud 11.45
%CaCO₃ 68.2
%TOC 1.61

Sample **N37**

Latitude 27 °17.039'
Longitude 82 °42.340'
Water Depth 12.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	24.14
-1 - 0	1.00 - 2.00	39.5
0 - 1	.5 - 1.00	27.29
1 - 2	.25 - .50	5.76
2 - 3	.125 - .25	2.33
3 - 4	.0625 - .125	0.35
4 - 5	.031 - .0625	0.27
5 - 6	.0156 - .031	0.27
6 - 7	.0078 - .0156	0.27
7 - 8	.0039 - .0078	0.27
8<	<.0039	0

Mean Phi -0.24
Std. Dev. 1.03
%Gravel 24.14
%Sand 75.23
%Mud 1.08
%CaCO3 94.77
%TOC 0.45

Sample **N38**

Latitude 27 °19.028'
Longitude 82 °43.721'
Water Depth 11.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.09
-1 - 0	1.00 - 2.00	1.09
0 - 1	.5 - 1.00	3
1 - 2	.25 - .50	6.54
2 - 3	.125 - .25	20.79
3 - 4	.0625 - .125	58.56
4 - 5	.031 - .0625	1.54
5 - 6	.0156 - .031	1.54
6 - 7	.0078 - .0156	1.54
7 - 8	.0039 - .0078	1.54
8<	<.0039	2.76

Mean Phi 3.27
Std. Dev. 1.51
%Gravel 1.09
%Sand 89.98
%Mud 8.92
%CaCO3 31.18
%TOC 0.29

Sample **N39**

Latitude 27 °20.406'
Longitude 82 °44.690'
Water Depth 12.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	17.37
-1 - 0	1.00 - 2.00	28.33
0 - 1	.5 - 1.00	43.16
1 - 2	.25 - .50	9.02
2 - 3	.125 - .25	1.11
3 - 4	.0625 - .125	0.06
4 - 5	.031 - .0625	0.19
5 - 6	.0156 - .031	0.19
6 - 7	.0078 - .0156	0.19
7 - 8	.0039 - .0078	0.19
8<	<.0039	0.19

Mean Phi 0.04
Std. Dev. 1.13
%Gravel 17.37
%Sand 81.68
%Mud 0.95
%CaCO3 88.5
%TOC 1.13

Sample **N40**

Latitude 27 °22.477'
Longitude 82 °46.130'
Water Depth 10.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.1
-1 - 0	1.00 - 2.00	0.76
0 - 1	.5 - 1.00	1.02
1 - 2	.25 - .50	2.29
2 - 3	.125 - .25	19.93
3 - 4	.0625 - .125	69.87
4 - 5	.031 - .0625	0.98
5 - 6	.0156 - .031	0.98
6 - 7	.0078 - .0156	0.98
7 - 8	.0039 - .0078	0.98
8<	<.0039	1.13

Mean Phi 3.29
Std. Dev. 1.15
%Gravel 1.1
%Sand 93.87
%Mud 5.05
%CaCO3 16.77
%TOC 0.32

Sample **N41**

Latitude 27 °23.757'
Longitude 82 °47.035'
Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	9.56
-1 - 0	1.00 - 2.00	17.7
0 - 1	.5 - 1.00	59.94
1 - 2	.25 - .50	10.56
2 - 3	.125 - .25	0.07
3 - 4	.0625 - .125	0.07
4 - 5	.031 - .0625	0.21
5 - 6	.0156 - .031	0.21
6 - 7	.0078 - .0156	0.21
7 - 8	.0039 - .0078	0.21
8<	<.0039	1.28

Mean Phi 0.39
Std. Dev. 1.32
%Gravel 9.56
%Sand 88.34
%Mud 2.12
%CaCO3 95.82
%TOC 0.47

Sample **N42**

Latitude 27 °25.508'
Longitude 82 °48.260'
Water Depth 11.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.68
-1 - 0	1.00 - 2.00	4.88
0 - 1	.5 - 1.00	12.13
1 - 2	.25 - .50	51.36
2 - 3	.125 - .25	26.71
3 - 4	.0625 - .125	0.69
4 - 5	.031 - .0625	0.26
5 - 6	.0156 - .031	0.26
6 - 7	.0078 - .0156	0.26
7 - 8	.0039 - .0078	0.26
8<	<.0039	1.52

Mean Phi 1.66
Std. Dev. 1.3
%Gravel 1.68
%Sand 95.77
%Mud 2.56
%CaCO3 44.73
%TOC 0.58

Sample **N43**

Latitude 27 °27.152'
Longitude 82 °49.423'
Water Depth 11.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.58
-1 - 0	1.00 - 2.00	0.29
0 - 1	.5 - 1.00	0.49
1 - 2	.25 - .50	2.43
2 - 3	.125 - .25	62.21
3 - 4	.0625 - .125	30.67
4 - 5	.031 - .0625	0.41
5 - 6	.0156 - .031	0.41
6 - 7	.0078 - .0156	0.41
7 - 8	.0039 - .0078	0.41
8<	<.0039	1.69

Mean Phi 2.9
Std. Dev. 1.07
%Gravel 0.58
%Sand 96.09
%Mud 3.33
%CaCO3 11.2
%TOC 0.93

Sample **N44**

Latitude 27 °27.255'
Longitude 82 °51.487'
Water Depth 11.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.32
-1 - 0	1.00 - 2.00	1.1
0 - 1	.5 - 1.00	2.85
1 - 2	.25 - .50	5.88
2 - 3	.125 - .25	60.08
3 - 4	.0625 - .125	27.68
4 - 5	.031 - .0625	0.23
5 - 6	.0156 - .031	0.23
6 - 7	.0078 - .0156	0.23
7 - 8	.0039 - .0078	0.23
8<	<.0039	1.19

Mean Phi 2.72
Std. Dev. 1.05
%Gravel 0.32
%Sand 97.59
%Mud 2.11
%CaCO3 12.89
%TOC 3.26

Sample **N45**

Latitude 27 °26.170'
Longitude 82 °54.006'
Water Depth 11.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.27
-1 - 0	1.00 - 2.00	3.06
0 - 1	.5 - 1.00	8.98
1 - 2	.25 - .50	28.8
2 - 3	.125 - .25	56.07
3 - 4	.0625 - .125	1.4
4 - 5	.031 - .0625	0.12
5 - 6	.0156 - .031	0.12
6 - 7	.0078 - .0156	0.12
7 - 8	.0039 - .0078	0.12
8<	<.0039	0.92

Mean Phi 2.02
Std. Dev. 1.07
%Gravel 0.27
%Sand 98.31
%Mud 1.4
%CaCO3 40.74
%TOC 1.03

Sample **N46**

Latitude 27 °24.484'
Longitude 82 °52.831'
Water Depth 14.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	--
-1 - 0	1.00 - 2.00	--
0 - 1	.5 - 1.00	--
1 - 2	.25 - .50	--
2 - 3	.125 - .25	--
3 - 4	.0625 - .125	--
4 - 5	.031 - .0625	--
5 - 6	.0156 - .031	--
6 - 7	.0078 - .0156	--
7 - 8	.0039 - .0078	--
8<	<.0039	--

Mean Phi Empty Bag
Std. Dev. --
%Gravel --
%Sand --
%Mud --
%CaCO3 --
%TOC --

Sample **N47**

Latitude 27 °22.530'
Longitude 82 °51.529'
Water Depth 12.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.4
-1 - 0	1.00 - 2.00	24.43
0 - 1	.5 - 1.00	50.68
1 - 2	.25 - .50	18.4
2 - 3	.125 - .25	2.64
3 - 4	.0625 - .125	0.06
4 - 5	.031 - .0625	0.1
5 - 6	.0156 - .031	0.1
6 - 7	.0078 - .0156	0.1
7 - 8	.0039 - .0078	0.1
8<	<.0039	1.02

Mean Phi 0.55
Std. Dev. 1.19
%Gravel 2.4
%Sand 96.21
%Mud 1.42
%CaCO3 90.7
%TOC 0.76

Sample **N48**

Latitude 27 °21.048'
Longitude 82 °50.528'
Water Depth 12.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.52
-1 - 0	1.00 - 2.00	6.34
0 - 1	.5 - 1.00	27.84
1 - 2	.25 - .50	47
2 - 3	.125 - .25	15.8
3 - 4	.0625 - .125	0.13
4 - 5	.031 - .0625	0.18
5 - 6	.0156 - .031	0.18
6 - 7	.0078 - .0156	0.18
7 - 8	.0039 - .0078	0.18
8<	<.0039	1.67

Mean Phi 1.39
Std. Dev. 1.3
%Gravel 0.52
%Sand 97.11
%Mud 2.39
%CaCO3 73.01
%TOC 0.27

Sample **N49**

Latitude 27 °19.299'
Longitude 82 °49.357'
Water Depth 14.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	6.73
-1 - 0	1.00 - 2.00	23.63
0 - 1	.5 - 1.00	26.2
1 - 2	.25 - .50	18.61
2 - 3	.125 - .25	17.33
3 - 4	.0625 - .125	2.72
4 - 5	.031 - .0625	0.32
5 - 6	.0156 - .031	0.32
6 - 7	.0078 - .0156	0.32
7 - 8	.0039 - .0078	0.32
8<	<.0039	3.49

Mean Phi 1.09
Std. Dev. 1.98
%Gravel 6.73
%Sand 88.49
%Mud 4.77
%CaCO3 83.88
%TOC --

Sample **N50**

Latitude 27 °17.189'
Longitude 82 °47.929'
Water Depth 13.7

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.2
-1 - 0	1.00 - 2.00	0.8
0 - 1	.5 - 1.00	3.19
1 - 2	.25 - .50	12.28
2 - 3	.125 - .25	47.21
3 - 4	.0625 - .125	31.04
4 - 5	.031 - .0625	0.64
5 - 6	.0156 - .031	0.64
6 - 7	.0078 - .0156	0.64
7 - 8	.0039 - .0078	0.64
8<	<.0039	2.73

Mean Phi 2.84
Std. Dev. 1.37
%Gravel 0.2
%Sand 94.52
%Mud 5.29
%CaCO3 46.17
%TOC 1.23

Sample **N51**

Latitude 27 °15.505'
Longitude 82 °46.796'
Water Depth 13.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.35
-1 - 0	1.00 - 2.00	3.18
0 - 1	.5 - 1.00	29.23
1 - 2	.25 - .50	60.25
2 - 3	.125 - .25	4.91
3 - 4	.0625 - .125	0.14
4 - 5	.031 - .0625	0.13
5 - 6	.0156 - .031	0.13
6 - 7	.0078 - .0156	0.13
7 - 8	.0039 - .0078	0.13
8<	<.0039	1.44

Mean Phi 1.31
Std. Dev. 1.13
%Gravel 0.35
%Sand 97.71
%Mud 1.96
%CaCO3 91.35
%TOC 2.51

Sample **N52**

Latitude 27 °13.643'
Longitude 82 °45.533'
Water Depth 15.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.25
-1 - 0	1.00 - 2.00	0.12
0 - 1	.5 - 1.00	1.86
1 - 2	.25 - .50	3.98
2 - 3	.125 - .25	9.7
3 - 4	.0625 - .125	54.08
4 - 5	.031 - .0625	6.2
5 - 6	.0156 - .031	6.2
6 - 7	.0078 - .0156	6.2
7 - 8	.0039 - .0078	6.2
8<	<.0039	5.21

Mean Phi 4.13
Std. Dev. 1.81
%Gravel 0.25
%Sand 69.74
%Mud 30.01
%CaCO3 68.04
%TOC 0.97

Sample **N53**

Latitude 27 °11.699'
Longitude 82 °44.222'
Water Depth 15.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	2.88
-1 - 0	1.00 - 2.00	1.22
0 - 1	.5 - 1.00	4.88
1 - 2	.25 - .50	12.42
2 - 3	.125 - .25	54.77
3 - 4	.0625 - .125	20.18
4 - 5	.031 - .0625	0.46
5 - 6	.0156 - .031	0.46
6 - 7	.0078 - .0156	0.46
7 - 8	.0039 - .0078	0.46
8<	<.0039	1.82

Mean Phi 2.5
Std. Dev. 1.41
%Gravel 2.88
%Sand 93.47
%Mud 3.66
%CaCO3 43.96
%TOC 0.43

Sample **N54**

Latitude 27 °09.645'
Longitude 82 °42.856'
Water Depth 16.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.89
-1 - 0	1.00 - 2.00	11.44
0 - 1	.5 - 1.00	39.57
1 - 2	.25 - .50	30.43
2 - 3	.125 - .25	11.85
3 - 4	.0625 - .125	1.12
4 - 5	.031 - .0625	0.07
5 - 6	.0156 - .031	0.07
6 - 7	.0078 - .0156	0.07
7 - 8	.0039 - .0078	0.07
8<	<.0039	1.41

Mean Phi 1.01
Std. Dev. 1.37
%Gravel 3.89
%Sand 94.41
%Mud 1.69
%CaCO3 84.43
%TOC 1.24

Sample **N55**

Latitude 27 °07.719'
Longitude 82 °41.550'
Water Depth 17.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.32
-1 - 0	1.00 - 2.00	2.8
0 - 1	.5 - 1.00	19.43
1 - 2	.25 - .50	63.18
2 - 3	.125 - .25	9.82
3 - 4	.0625 - .125	1.88
4 - 5	.031 - .0625	0.08
5 - 6	.0156 - .031	0.08
6 - 7	.0078 - .0156	0.08
7 - 8	.0039 - .0078	0.08
8<	<.0039	1.27

Mean Phi 1.45
Std. Dev. 1.13
%Gravel 1.32
%Sand 97.11
%Mud 1.59
%CaCO3 70.45
%TOC 1.78

Sample **N56**

Latitude 27 °05.459'
Longitude 82 °40.039'
Water Depth 17.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	1.92
-1 - 0	1.00 - 2.00	4.67
0 - 1	.5 - 1.00	59.36
1 - 2	.25 - .50	25.66
2 - 3	.125 - .25	6.43
3 - 4	.0625 - .125	0.36
4 - 5	.031 - .0625	0.06
5 - 6	.0156 - .031	0.06
6 - 7	.0078 - .0156	0.06
7 - 8	.0039 - .0078	0.06
8<	<.0039	1.37

Mean Phi 0.93
Std. Dev. 1.2
%Gravel 1.92
%Sand 96.48
%Mud 1.61
%CaCO3 91.13
%TOC 2.17

Sample **N57**

Latitude 27 °03.942'
 Longitude 82 °39.021'
 Water Depth 15.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.12
-1 - 0	1.00 - 2.00	0.18
0 - 1	.5 - 1.00	1.54
1 - 2	.25 - .50	5.82
2 - 3	.125 - .25	64.1
3 - 4	.0625 - .125	25.66
4 - 5	.031 - .0625	0.34
5 - 6	.0156 - .031	0.34
6 - 7	.0078 - .0156	0.34
7 - 8	.0039 - .0078	0.34
8<	<.0039	1.21

Mean Phi 2.78
 Std. Dev. 0.98
 %Gravel 0.12
 %Sand 97.3
 %Mud 2.57
 %CaCO3 26.06
 %TOC 1.83

Sample **N58**

Latitude 27 °01.651'
 Longitude 82 °37.472'
 Water Depth 16.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	0.76
-1 - 0	1.00 - 2.00	18.65
0 - 1	.5 - 1.00	58.72
1 - 2	.25 - .50	18.4
2 - 3	.125 - .25	1.18
3 - 4	.0625 - .125	0.08
4 - 5	.031 - .0625	0.18
5 - 6	.0156 - .031	0.18
6 - 7	.0078 - .0156	0.18
7 - 8	.0039 - .0078	0.18
8<	<.0039	1.5

Mean Phi 0.67
 Std. Dev. 1.27
 %Gravel 0.76
 %Sand 97.03
 %Mud 2.22
 %CaCO3 89.95
 %TOC 2.27

Sample **N59**

Latitude 27 °00.104'
 Longitude 82 °36.419'
 Water Depth 17.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	16.27
-1 - 0	1.00 - 2.00	8.61
0 - 1	.5 - 1.00	28.52
1 - 2	.25 - .50	26.99
2 - 3	.125 - .25	13.69
3 - 4	.0625 - .125	2.2
4 - 5	.031 - .0625	0.22
5 - 6	.0156 - .031	0.22
6 - 7	.0078 - .0156	0.22
7 - 8	.0039 - .0078	0.22
8<	<.0039	2.86

Mean Phi 0.97
 Std. Dev. 1.91
 %Gravel 16.27
 %Sand 80.01
 %Mud 3.74
 %CaCO3 77.84
 %TOC 1.44

Sample **N60**

Latitude 26 °58.234'
 Longitude 82 °35.171'
 Water Depth 17.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
>-1	>2.00	3.13
-1 - 0	1.00 - 2.00	8.01
0 - 1	.5 - 1.00	32.84
1 - 2	.25 - .50	43.85
2 - 3	.125 - .25	10.03
3 - 4	.0625 - .125	0.46
4 - 5	.031 - .0625	0.05
5 - 6	.0156 - .031	0.05
6 - 7	.0078 - .0156	0.05
7 - 8	.0039 - .0078	0.05
8<	<.0039	1.49

Mean Phi 1.14
 Std. Dev. 1.3
 %Gravel 3.13
 %Sand 95.19
 %Mud 1.69
 %CaCO3 89.74
 %TOC 0.57

Sample**N61**

Latitude 26° 56.351'
Longitude 82° 33.913'
Water Depth 17.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.62
-1	2	0
-0.5	1.41	20.46
0	1	10.23
0.5	0.71	21.39
1	0.5	27.9
1.5	0.35	1.86
2	0.25	1.86
2.5	0.177	3.72
3	0.125	0
3.5	0.088	3.72
4	0.0625	0
8	0.0039	1.34
12	0.00024	2.9
Mean Phi	0.65	
Std. Dev.	2.13	
%Gravel	4.62	
%Sand	91.14	
%Mud	4.24	
%CaCO3	84.38	
%TOC	1.41	

Sample**N62**

Latitude 26° 54.478'
Longitude 82° 32.662'
Water Depth 16.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.958
-1	2	0
-0.5	1.41	0
0	1	5.81
0.5	0.71	19.36
1	0.5	29.04
1.5	0.35	21.29
2	0.25	0
2.5	0.177	0.97
3	0.125	2.9
3.5	0.088	0
4	0.0625	17.42
8	0.0039	0.31
12	0.00024	1.95
Mean Phi	1.49	
Std. Dev.	1.87	
%Gravel	0.96	
%Sand	79.37	
%Mud	19.68	
%CaCO3	81.79	
%TOC	1.71	

Sample**N63**

Latitude 26° 53.046'
Longitude 82° 31.449'
Water Depth 16.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	11.38
-1	2	0.98
-0.5	1.41	1.95
0	1	17.55
0.5	0.71	35.1
1	0.5	19.5
1.5	0.35	3.9
2	0.25	1.95
2.5	0.177	0
3	0.125	1.95
3.5	0.088	1.95
4	0.0625	1.95
8	0.0039	0
12	0.00024	1.84
Mean Phi	0.44	
Std. Dev.	1.82	
%Gravel	11.38	
%Sand	84.83	
%Mud	3.79	
%CaCO3	86.41	
%TOC	1.33	

Sample**N64**

Latitude 26° 54.857'
Longitude 82° 29'.905'
Water Depth 14.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.332
-1	2	0
-0.5	1.41	0
0	1	0.79
0.5	0.71	2.37
1	0.5	0
1.5	0.35	3.16
2	0.25	4.74
2.5	0.177	23.69
3	0.125	25.26
3.5	0.088	7.9
4	0.0625	17.37
8	0.0039	11.18
12	0.00024	3.22
Mean Phi	3.17	
Std. Dev.	1.8	
%Gravel	0.33	
%Sand	67.9	
%Mud	31.77	
%CaCO3	35.94	
%TOC	2.31	

Sample N65

Latitude	26 °56.585'	
Longitude	82 °28.539'	
Water Depth	11.6m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.48
-1	2	1.02
-0.5	1.41	1.02
0	1	0
0.5	0.71	1.02
1	0.5	7.17
1.5	0.35	14.33
2	0.25	34.8
2.5	0.177	24.57
3	0.125	4.09
3.5	0.088	0
4	0.0625	6.14
8	0.0039	1.83
12	0.00024	3.51
Std. Dev.	2.19	
Mean Phi	1.92	
%Gravel	0.48	
%Sand	88.04	
%Mud	11.48	
%CaCO3	22.59	
%TOC	0.53	

Sample N66

Latitude	26 °59.081'	
Longitude	82 °26.616'	
Water Depth	9.7m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.38
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	2.01
1	0.5	0
1.5	0.35	6.04
2	0.25	6.04
2.5	0.177	34.21
3	0.125	28.17
3.5	0.088	10.06
4	0.0625	8.05
8	0.0039	2.95
12	0.00024	2.08
Std. Dev.	2.73	
Mean Phi	1.47	
%Gravel	0.38	
%Sand	86.54	
%Mud	13.08	
%CaCO3	20.82	
%TOC	1.41	

Sample N67

Latitude	27 °00.474'	
Longitude	82 °27.119'	
Water Depth	9.5m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	5.43
-1	2	0
-0.5	1.41	9.34
0	1	33.85
0.5	0.71	31.51
1	0.5	9.34
1.5	0.35	1.17
2	0.25	1.17
2.5	0.177	4.67
3	0.125	0
3.5	0.088	2.33
4	0.0625	0
8	0.0039	0.21
12	0.00024	0.99
Mean Phi	0.23	
Std. Dev.	1.43	
%Gravel	5.43	
%Sand	93.38	
%Mud	1.2	
%CaCO3	55.16	
%TOC	1.2	

Sample N68

Latitude	26 °59.461'	
Longitude	82 °29.303'	
Water Depth	11.1m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	31.3
-1	2	1.22
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	1.22
1.5	0.35	0
2	0.25	2.44
2.5	0.177	23.19
3	0.125	15.87
3.5	0.088	7.93
4	0.0625	12.21
8	0.0039	2.24
12	0.00024	2.38
Mean Phi	1.54	
Std. Dev.	2.66	
%Gravel	31.3	
%Sand	51.88	
%Mud	16.82	
%CaCO3	15.36	
%TOC	0.39	

Sample**N69**

Latitude 26 °58.106'

Longitude 82 °32.180'

Water Depth 13.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.14
-1	2	2.36
-0.5	1.41	1.18
0	1	3.54
0.5	0.71	0
1	0.5	0
1.5	0.35	0
2	0.25	2.36
2.5	0.177	31.89
3	0.125	46.06
3.5	0.088	9.45
4	0.0625	0
8	0.0039	1.42
12	0.00024	1.6

Mean Phi 2.53

Std. Dev. 1.45

%Gravel 0.14

%Sand 96.84

%Mud 3.02

%CaCO3 17.51

%TOC 0.31

Sample**N71**

Latitude 26 °55.901'

Longitude 82 °36.944'

Water Depth 18.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	1.51
-0.5	1.41	0
0	1	0
0.5	0.71	1.51
1	0.5	0
1.5	0.35	0
2	0.25	1.51
2.5	0.177	34.73
3	0.125	18.12
3.5	0.088	7.55
4	0.0625	3.02
8	0.0039	27.23
12	0.00024	4.82

Mean Phi 3.54

Std. Dev. 2.13

%Gravel 0

%Sand 64.92

%Mud 35.08

%CaCO3 52.16

%TOC 1.18

Sample**N70**

Latitude 26 °57.025'

Longitude 82 °34.513'

Water Depth 15.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	4.48
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	1.79
1.5	0.35	1.79
2	0.25	12.56
2.5	0.177	37.67
3	0.125	34.08
3.5	0.088	0
4	0.0625	3.59
8	0.0039	1.92
12	0.00024	2.12

Mean Phi 2.45

Std. Dev. 1.59

%Gravel 0

%Sand 92.37

%Mud 7.63

%CaCO3 29.95

%TOC 0.85

Sample**N72**

Latitude 26 °54.909'

Longitude 82 °39.065'

Water Depth 20.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.07
-1	2	1.86
-0.5	1.41	0
0	1	3.71
0.5	0.71	7.43
1	0.5	14.85
1.5	0.35	18.56
2	0.25	20.42
2.5	0.177	11.14
3	0.125	1.86
3.5	0.088	9.28
4	0.0625	6.5
8	0.0039	0.8
12	0.00024	1.53

Mean Phi 1.71

Std. Dev. 1.69

%Gravel 2.07

%Sand 89.11

%Mud 8.83

%CaCO3 71.57

%TOC 1.51

Sample**N73**

Latitude 26 °55.508'
 Longitude 82 °39.752'
 Water Depth 21.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	2.07
-0.5	1.41	2.07
0	1	0
0.5	0.71	0
1	0.5	2.07
1.5	0.35	0
2	0.25	14.48
2.5	0.177	57.92
3	0.125	11.38
3.5	0.088	1.03
4	0.0625	6.21
8	0.0039	0.77
12	0.00024	2
Mean Phi	2.37	
Std. Dev.	1.51	
%Gravel	0	
%Sand	91.02	
%Mud	8.98	
%CaCO3	30.9	
%TOC	0.83	

Sample**N75**

Latitude 26 °58.888'
 Longitude 82 °38.958'
 Water Depth 20.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	0.57
0	1	0.57
0.5	0.71	0
1	0.5	0
1.5	0.35	0.57
2	0.25	0
2.5	0.177	82.95
3	0.125	4.84
3.5	0.088	1.14
4	0.0625	2.28
8	0.0039	3.76
12	0.00024	3.31
Mean Phi	2.67	
Std. Dev.	1.67	
%Gravel	0	
%Sand	90.65	
%Mud	9.35	
%CaCO3	40.09	
%TOC	1.28	

Sample**N74**

Latitude 26 °57.235'
 Longitude 82 °39.332'
 Water Depth 19.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.31
-1	2	1.01
-0.5	1.41	6.07
0	1	0
0.5	0.71	0
1	0.5	10.11
1.5	0.35	6.07
2	0.25	14.16
2.5	0.177	36.4
3	0.125	12.13
3.5	0.088	8.09
4	0.0625	2.02
8	0.0039	0.85
12	0.00024	2.79
Mean Phi	2.18	
Std. Dev.	1.84	
%Gravel	0.31	
%Sand	94.03	
%Mud	5.66	
%CaCO3	64.29	
%TOC	1.16	

Sample**N76**

Latitude 27 °00.312'
 Longitude 82 °38.062'
 Water Depth 18.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	17.98
-1	2	0
-0.5	1.41	1.59
0	1	12.69
0.5	0.71	35.7
1	0.5	15.87
1.5	0.35	0.79
2	0.25	0
2.5	0.177	3.17
3	0.125	0
3.5	0.088	1.59
4	0.0625	7.93
8	0.0039	0.55
12	0.00024	2.13
Mean Phi	0.54	
Std. Dev.	2.14	
%Gravel	17.98	
%Sand	71.41	
%Mud	10.62	
%CaCO3	90.95	
%TOC	2.01	

Sample**N77**

Latitude 27 °01.358'

Longitude 82 °36.156'

Water Depth 15.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.63
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	2.29
1	0.5	32.09
1.5	0.35	33.24
2	0.25	14.9
2.5	0.177	2.29
3	0.125	0
3.5	0.088	6.88
4	0.0625	4.58
8	0.0039	0.18
12	0.00024	2.9

Mean Phi 1.69

Std. Dev. 1.84

%Gravel 0.63

%Sand 91.71

%Mud 7.67

%CaCO3 71.75

%TOC 3.41

Sample**N79**

Latitude 27 °03.421'

Longitude 82 °32.292'

Water Depth 11.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.23
-1	2	0
-0.5	1.41	0
0	1	1.52
0.5	0.71	0
1	0.5	0
1.5	0.35	0.76
2	0.25	0.76
2.5	0.177	21.35
3	0.125	33.55
3.5	0.088	12.2
4	0.0625	25.93
8	0.0039	1.85
12	0.00024	1.83

Mean Phi 3.08

Std. Dev. 1.33

%Gravel 0.23

%Sand 70.16

%Mud 29.61

%CaCO3 19.7

%TOC 0.46

Sample**N78**

Latitude 27 °02.340'

Longitude 82 °34.333'

Water Depth 13.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	7.62
-1	2	0
-0.5	1.41	3.58
0	1	5.37
0.5	0.71	19.68
1	0.5	44.73
1.5	0.35	5.37
2	0.25	0.89
2.5	0.177	2.69
3	0.125	5.37
3.5	0.088	1.79
4	0.0625	0
8	0.0039	0
12	0.00024	2.92

Mean Phi 0.88

Std. Dev. 2.03

%Gravel 7.62

%Sand 89.45

%Mud 2.92

%CaCO3 72.58

%TOC 1.73

Sample**N80**

Latitude 27 °04.320'

Longitude 82 °30.738'

Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.38
-1	2	0
-0.5	1.41	1.87
0	1	1.87
0.5	0.71	0
1	0.5	0.93
1.5	0.35	14.02
2	0.25	3.74
2.5	0.177	54.2
3	0.125	1.87
3.5	0.088	11.21
4	0.0625	1.87
8	0.0039	1.75
12	0.00024	1.29

Mean Phi 2.07

Std. Dev. 1.6

%Gravel 5.38

%Sand 89.71

%Mud 4.91

%CaCO3 33.11

%TOC 1.53

Sample**N81**

Latitude 27 °05.355'
 Longitude 82 °28.772'
 Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	14.13
-1	2	3.36
-0.5	1.41	7.56
0	1	11.75
0.5	0.71	34.41
1	0.5	22.66
1.5	0.35	0.84
2	0.25	0
2.5	0.177	1.68
3	0.125	1.68
3.5	0.088	0
4	0.0625	0
8	0.0039	0.9
12	0.00024	1.05

Mean Phi 0.13
 Std. Dev. 1.55
 %Gravel 14.13
 %Sand 83.92
 %Mud 1.95
 %CaCO₃ 72.72
 %TOC 3.25

Sample**N82**

Latitude 27 °06.879'
 Longitude 82 °28.586'
 Water Depth 7.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.46
-1	2	1.53
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	1.53
1.5	0.35	3.07
2	0.25	3.07
2.5	0.177	7.67
3	0.125	53.72
3.5	0.088	13.81
4	0.0625	1.53
8	0.0039	7.72
12	0.00024	5.86

Mean Phi 3.26
 Std. Dev. 2.16
 %Gravel 0.46
 %Sand 84.42
 %Mud 15.11
 %CaCO₃ 19.04
 %TOC 4.42

Sample**N83**

Latitude 27 °08.425'
 Longitude 82 °29.162'
 Water Depth 7.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	16.32
-1	2	1.96
-0.5	1.41	1.31
0	1	0.65
0.5	0.71	0.65
1	0.5	2.62
1.5	0.35	3.92
2	0.25	5.23
2.5	0.177	5.23
3	0.125	26.16
3.5	0.088	13.08
4	0.0625	6.54
8	0.0039	10.24
12	0.00024	6.09

Mean Phi 2.53
 Std. Dev. 2.97
 %Gravel 16.32
 %Sand 60.36
 %Mud 22.86
 %CaCO₃ 49.81
 %TOC 3.36

Sample**N84**

Latitude 27 °10.212'
 Longitude 82 °30.925'
 Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	63.86
-1	2	3.79
-0.5	1.41	1.38
0	1	4.13
0.5	0.71	15.84
1	0.5	7.92
1.5	0.35	0.69
2	0.25	0.34
2.5	0.177	0.34
3	0.125	0
3.5	0.088	0
4	0.0625	0
8	0.0039	0.52
12	0.00024	1.18

Mean Phi -0.91
 Std. Dev. 1.69
 %Gravel 63.86
 %Sand 34.44
 %Mud 1.7
 %CaCO₃ 95.87
 %TOC 1.11

Sample**N85**

Latitude 27 °09.428'
 Longitude 82 °32.332'
 Water Depth 10.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	25.55
-1	2	0.6
-0.5	1.41	1.2
0	1	7.79
0.5	0.71	31.15
1	0.5	21.56
1.5	0.35	0.6
2	0.25	1.8
2.5	0.177	1.2
3	0.125	0.6
3.5	0.088	0.6
4	0.0625	3.6
8	0.0039	1.14
12	0.00024	2.62

Mean Phi 0.34
 Std. Dev. 2.24
 %Gravel 25.55
 %Sand 67.09
 %Mud 7.36
 %CaCO3 91.58
 %TOC 1.94

Sample**N87**

Latitude 27 °06.909'
 Longitude 82 °37.033'
 Water Depth 13.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.66
-1	2	2.27
-0.5	1.41	0.76
0	1	0
0.5	0.71	3.03
1	0.5	0.76
1.5	0.35	6.82
2	0.25	6.06
2.5	0.177	21.22
3	0.125	31.83
3.5	0.088	9.09
4	0.0625	10.61
8	0.0039	4.65
12	0.00024	2.24

Mean Phi 2.68
 Std. Dev. 1.72
 %Gravel 0.66
 %Sand 81.85
 %Mud 17.49
 %CaCO3 37.85
 %TOC 0.85

Sample**N86**

Latitude 27 °08.583'
 Longitude 82 °34.084'
 Water Depth 12.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	25.64
-1	2	1.82
-0.5	1.41	0.61
0	1	7.27
0.5	0.71	38.19
1	0.5	17.58
1.5	0.35	0.61
2	0.25	1.82
2.5	0.177	0.61
3	0.125	0
3.5	0.088	0.61
4	0.0625	1.82
8	0.0039	0.88
12	0.00024	2.56

Mean Phi 0.2
 Std. Dev. 2.15
 %Gravel 25.64
 %Sand 69.11
 %Mud 5.25
 %CaCO3 87.5
 %TOC 1.9

Sample**N88**

Latitude 27 °05.824'
 Longitude 82 °38.888'
 Water Depth 17.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.13
-1	2	1.71
-0.5	1.41	0
0	1	0
0.5	0.71	0.85
1	0.5	1.71
1.5	0.35	0.85
2	0.25	3.42
2.5	0.177	13.67
3	0.125	35.89
3.5	0.088	15.38
4	0.0625	8.55
8	0.0039	10.39
12	0.00024	5.44

Mean Phi 3.26
 Std. Dev. 2.24
 %Gravel 2.13
 %Sand 73.5
 %Mud 24.37
 %CaCO3 55.03
 %TOC 1.03

Sample**N89**

Latitude 27 °04.405'
 Longitude 82 °41.428'
 Water Depth 18.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0.82
-0.5	1.41	0
0	1	0
0.5	0.71	0.82
1	0.5	0.82
1.5	0.35	1.64
2	0.25	0
2.5	0.177	26.31
3	0.125	45.22
3.5	0.088	9.04
4	0.0625	8.22
8	0.0039	4.47
12	0.00024	2.6
Mean Phi	2.97	
Std. Dev.	1.55	
%Gravel	0	
%Sand	84.68	
%Mud	15.32	
%CaCO3	37.14	
%TOC	1.72	

Sample**N90**

Latitude 27 °03.286'
 Longitude 82 °43.412'
 Water Depth 20.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	3.45
-0.5	1.41	0
0	1	0
0.5	0.71	2.59
1	0.5	0
1.5	0.35	1.73
2	0.25	6.04
2.5	0.177	43.17
3	0.125	24.18
3.5	0.088	12.09
4	0.0625	0
8	0.0039	3.35
12	0.00024	3.4
Mean Phi	2.66	
Std. Dev.	1.85	
%Gravel	0	
%Sand	93.22	
%Mud	6.75	
%CaCO3	28.47	
%TOC	0.93	

Sample**N91**

Latitude 27 °01.958'
 Longitude 82 °45.759'
 Water Depth 21.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.25
-1	2	1.71
-0.5	1.41	0.86
0	1	0.86
0.5	0.71	0
1	0.5	0
1.5	0.35	2.57
2	0.25	11.12
2.5	0.177	30.8
3	0.125	34.22
3.5	0.088	6.84
4	0.0625	3.42
8	0.0039	3.66
12	0.00024	3.7
Mean Phi	2.77	
Std. Dev.	1.87	
%Gravel	0.25	
%Sand	88.97	
%Mud	10.78	
%CaCO3	43.18	
%TOC	0.32	

Sample**N92**

Latitude 27 °01.563'
 Longitude 82 °47.773'
 Water Depth 22.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0.81
-0.5	1.41	0
0	1	2.43
0.5	0.71	0
1	0.5	6.48
1.5	0.35	14.58
2	0.25	37.25
2.5	0.177	25.91
3	0.125	4.86
3.5	0.088	1.62
4	0.0625	0
8	0.0039	3.5
12	0.00024	2.57
Mean Phi	2.09	
Std. Dev.	1.69	
%Gravel	0	
%Sand	93.93	
%Mud	6.07	
%CaCO3	71.07	
%TOC	1.13	

Sample**N93**

Latitude 27 °02.942'

Longitude 82 °49.815'

Water Depth 25.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.84
-1	2	2.14
-0.5	1.41	1.43
0	1	0.71
0.5	0.71	0.71
1	0.5	1.43
1.5	0.35	11.43
2	0.25	24.3
2.5	0.177	34.3
3	0.125	8.58
3.5	0.088	3.57
4	0.0625	6.43
8	0.0039	0.72
12	0.00024	3.39

Mean Phi 2.3

Std. Dev. 1.91

%Gravel 0.84

%Sand 88.62

%Mud 10.54

%CaCO₃ 82.05

%TOC 0.88

Sample**N95**

Latitude 27 °05.458'

Longitude 82 °46.938'

Water Depth 21.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.63
-1	2	0
-0.5	1.41	0.7
0	1	1.4
0.5	0.71	5.61
1	0.5	22.44
1.5	0.35	33.66
2	0.25	15.43
2.5	0.177	5.61
3	0.125	2.81
3.5	0.088	0
4	0.0625	7.01
8	0.0039	1.19
12	0.00024	1.51

Mean Phi 1.51

Std. Dev. 1.59

%Gravel 2.63

%Sand 87.66

%Mud 9.7

%CaCO₃ 74.48

%TOC 1.35

Sample**N94**

Latitude 27 °04.255'

Longitude 82 °48.549'

Water Depth 23.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.67
-1	2	2.35
-0.5	1.41	0.78
0	1	9.39
0.5	0.71	17.21
1	0.5	25.03
1.5	0.35	24.25
2	0.25	3.91
2.5	0.177	2.35
3	0.125	2.35
3.5	0.088	1.56
4	0.0625	1.56
8	0.0039	1.27
12	0.00024	2.32

Mean Phi 0.99

Std. Dev. 1.92

%Gravel 5.67

%Sand 89.18

%Mud 5.15

%CaCO₃ 80.59

%TOC 0.96

Sample**N96**

Latitude 27 °06.700'

Longitude 82 °45.292'

Water Depth 21.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.28
-1	2	0
-0.5	1.41	1.61
0	1	1.61
0.5	0.71	1.61
1	0.5	22.6
1.5	0.35	29.06
2	0.25	32.29
2.5	0.177	1.61
3	0.125	0
3.5	0.088	1.61
4	0.0625	3.23
8	0.0039	1.09
12	0.00024	1.38

Mean Phi 1.46

Std. Dev. 1.47

%Gravel 2.28

%Sand 92.02

%Mud 5.7

%CaCO₃ 84.93

%TOC 1.25

Sample**N97**

Latitude 27 °07.887'
 Longitude 82 °43.692'
 Water Depth 19.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.69
-1	2	12.36
-0.5	1.41	1.24
0	1	0.62
0.5	0.71	1.85
1	0.5	8.65
1.5	0.35	35.21
2	0.25	22.86
2.5	0.177	1.85
3	0.125	1.85
3.5	0.088	1.24
4	0.0625	8.65
8	0.0039	1.29
12	0.00024	1.65

Mean Phi 1.44
 Std. Dev. 1.83
 %Gravel 0.69
 %Sand 87.72
 %Mud 11.59
 %CaCO3 70.77
 %TOC 1.23

Sample**N99**

Latitude 27 °10.939'
 Longitude 82 °39.679'
 Water Depth 12.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.29
-1	2	3.79
-0.5	1.41	0
0	1	0
0.5	0.71	1.89
1	0.5	0.95
1.5	0.35	2.84
2	0.25	13.25
2.5	0.177	43.53
3	0.125	22.71
3.5	0.088	3.79
4	0.0625	1.79
8	0.0039	2.17
12	0.00024	1.03

Mean Phi 2.31
 Std. Dev. 1.34
 %Gravel 0.3
 %Sand 92.73
 %Mud 6.98
 %CaCO3 35.45
 %TOC 0

Sample**N98**

Latitude 27 °09.299'
 Longitude 82 °41.821'
 Water Depth 15.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.22
-1	2	3.56
-0.5	1.41	2.85
0	1	0
0.5	0.71	1.42
1	0.5	14.25
1.5	0.35	36.33
2	0.25	26.35
2.5	0.177	7.84
3	0.125	0
3.5	0.088	2.85
4	0.0625	0
8	0.0039	1.9
12	0.00024	1.34

Mean Phi 1.45
 Std. Dev. 1.51
 %Gravel 1.22
 %Sand 95.45
 %Mud 3.33
 %CaCO3 61.98
 %TOC 1.72

Sample**N100**

Latitude 27 °12.298'
 Longitude 82 °37.656'
 Water Depth 11.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	14.2
-1	2	1.5
-0.5	1.41	0.75
0	1	2.26
0.5	0.71	0
1	0.5	9.03
1.5	0.35	6.02
2	0.25	7.52
2.5	0.177	23.32
3	0.125	18.05
3.5	0.088	6.77
4	0.0625	3.02
8	0.0039	2.87
12	0.00024	1.68

Mean Phi 1.79
 Std. Dev. 2.12
 %Gravel 14.2
 %Sand 75.22
 %Mud 10.57
 %CaCO3 47.85
 %TOC 2.19

Sample**N101**

Latitude 27 °13.486'

Longitude 82 °35.464'

Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	8.37
-1	2	1.52
-0.5	1.41	0
0	1	3.8
0.5	0.71	3.04
1	0.5	6.84
1.5	0.35	4.56
2	0.25	6.08
2.5	0.177	19.77
3	0.125	33.45
3.5	0.088	9.12
4	0.0625	0
8	0.0039	2.16
12	0.00024	1.29

Mean Phi 1.96
 Std. Dev. 1.83
 %Gravel 8.37
 %Sand 88.18
 %Mud 3.45
 %CaCO3 34.47
 %TOC 1.4

Sample**N102**

Latitude 27 °14.831'

Longitude 82 °32.563'

Water Depth 6.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	3.66
-1	2	0.85
-0.5	1.41	0
0	1	1.69
0.5	0.71	0.85
1	0.5	0.85
1.5	0.35	0.85
2	0.25	0.85
2.5	0.177	1.69
3	0.125	62.66
3.5	0.088	22.02
4	0.0625	1.69
8	0.0039	1.43
12	0.00024	0.92

Mean Phi 2.67
 Std. Dev. 1.38
 %Gravel 3.66
 %Sand 92.29
 %Mud 4.04
 %CaCO3 9.22
 %TOC 0.4

Sample**N103**

Latitude 27 °14.977'

Longitude 82 °33.537'

Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.39
-1	2	0
-0.5	1.41	0.94
0	1	0.94
0.5	0.71	0
1	0.5	0
1.5	0.35	0
2	0.25	3.74
2.5	0.177	1.87
3	0.125	41.1
3.5	0.088	37.36
4	0.0625	3.74
8	0.0039	6.8
12	0.00024	3.15

Mean Phi 3.26
 Std. Dev. 1.64
 %Gravel 0.39
 %Sand 85.92
 %Mud 13.69
 %CaCO3 19.43
 %TOC 1.69

Sample**N104**

Latitude 27 °16.600'

Longitude 82 °35.091'

Water Depth 8.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	45.38
-1	2	0
-0.5	1.41	0.81
0	1	11.8
0.5	0.71	23.19
1	0.5	12.2
1.5	0.35	2.03
2	0.25	0.41
2.5	0.177	1.22
3	0.125	0.41
3.5	0.088	0
4	0.0625	0.81
8	0.0039	0.63
12	0.00024	1.11

Mean Phi -0.43
 Std. Dev. 1.75
 %Gravel 45.38
 %Sand 52.07
 %Mud 2.55
 %CaCO3 89.08
 %TOC 2.08

Sample**N105**

Latitude 27 °18.756'
 Longitude 82 °36.541'
 Water Depth 7.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	59.1
-1	2	0.85
-0.5	1.41	1.41
0	1	9.3
0.5	0.71	18.89
1	0.5	7.33
1.5	0.35	0.56
2	0.25	0.56
2.5	0.177	0.28
3	0.125	0.28
3.5	0.088	0
4	0.0625	0
8	0.0039	0.24
12	0.00024	1.23

Mean Phi -0.8
 Std. Dev. 1.69
 %Gravel 59.06
 %Sand 39.47
 %Mud 1.47
 %CaCO3 88.71
 %TOC 2.83

Sample**N106**

Latitude 27 °20.114'
 Longitude 82 °36.028'
 Water Depth 3.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	0.88
1.5	0.35	0.88
2	0.25	0
2.5	0.177	3.52
3	0.125	73.86
3.5	0.088	17.59
4	0.0625	1.76
8	0.0039	0.35
12	0.00024	1.17

Mean Phi 2.91
 Std. Dev. 0.95
 %Gravel 0
 %Sand 96.72
 %Mud 3.28
 %CaCO3 6.68
 %TOC 0.11

Sample**N107**

Latitude 27 °18.763'
 Longitude 82 °35.037'
 Water Depth 5.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.07
-1	2	0.83
-0.5	1.41	1.66
0	1	0
0.5	0.71	0
1	0.5	0
1.5	0.35	0.83
2	0.25	0
2.5	0.177	27.34
3	0.125	62.96
3.5	0.088	3.31
4	0.0625	1.66
8	0.0039	0.44
12	0.00024	0.9

Mean Phi 2.62
 Std. Dev. 1.04
 %Gravel 0.07
 %Sand 96.93
 %Mud 3
 %CaCO3 2.04
 %TOC 0.15

Sample**N108**

Latitude 27 °17.173'
 Longitude 82 °35.136'
 Water Depth 7.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.16
-1	2	1.78
-0.5	1.41	0
0	1	0
0.5	0.71	0.89
1	0.5	0.89
1.5	0.35	0
2	0.25	0
2.5	0.177	5.34
3	0.125	80.15
3.5	0.088	7.12
4	0.0625	1.78
8	0.0039	0.53
12	0.00024	1.35

Mean Phi 2.78
 Std. Dev. 1.19
 %Gravel 0.16
 %Sand 96.18
 %Mud 3.67
 %CaCO3 4.67
 %TOC 0.23

Sample**N109**

Latitude 27 °16.964'

Longitude 82 °37.025'

Water Depth 9.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	3.77
-1	2	0.69
-0.5	1.41	0.69
0	1	1.37
0.5	0.71	5.49
1	0.5	10.99
1.5	0.35	12.36
2	0.25	19.23
2.5	0.177	31.59
3	0.125	9.61
3.5	0.088	0
4	0.0625	1.37
8	0.0039	1.1
12	0.00024	1.75

Mean Phi 1.78

Std. Dev. 1.65

%Gravel 3.77

%Sand 92.01

%Mud 4.22

%CaCO₃ 53.48

%TOC 0.83

Sample**N111**

Latitude 27 °14.470'

Longitude 82 °41.420'

Water Depth 11.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.78
-1	2	1.32
-0.5	1.41	0.66
0	1	14.47
0.5	0.71	42.74
1	0.5	26.96
1.5	0.35	2.63
2	0.25	0
2.5	0.177	1.32
3	0.125	0
3.5	0.088	1.32
4	0.0625	2.63
8	0.0039	0.12
12	0.00024	1.07

Mean Phi 0.5

Std. Dev. 1.43

%Gravel 4.78

%Sand 91.39

%Mud 3.82

%CaCO₃ 88.79

%TOC 1.32

Sample**N110**

Latitude 27 °15.691'

Longitude 82 °39.224'

Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	19.31
-1	2	0.55
-0.5	1.41	2.76
0	1	3.86
0.5	0.71	14.34
1	0.5	34.21
1.5	0.35	18.76
2	0.25	1.1
2.5	0.177	1.1
3	0.125	0
3.5	0.088	0
4	0.0625	1.1
8	0.0039	1.22
12	0.00024	1.68

Mean Phi 0.48

Std. Dev. 1.86

%Gravel 19.31

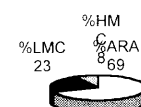
%Sand 76.69

%Mud 3.99

%CaCO₃ 87.26

%TOC 1.63

Carbonate Mineralogy

**Sample****N112**

Latitude 27 °13.556'

Longitude 82 °43.831'

Water Depth 13.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.92
-1	2	1.49
-0.5	1.41	0
0	1	1.49
0.5	0.71	0
1	0.5	5.97
1.5	0.35	4.48
2	0.25	4.48
2.5	0.177	5.97
3	0.125	34.32
3.5	0.088	22.39
4	0.0625	7.46
8	0.0039	5.04
12	0.00024	1.98

Mean Phi 2.63

Std. Dev. 1.87

%Gravel 4.92

%Sand 80.59

%Mud 14.49

%CaCO₃ 46.11

%TOC 2.91

Sample**N113**

Latitude 27 °12.626'
 Longitude 82 °45.951'
 Water Depth 16.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.05
-1	2	0
-0.5	1.41	0
0	1	0.82
0.5	0.71	1.64
1	0.5	0.82
1.5	0.35	3.27
2	0.25	11.46
2.5	0.177	14.73
3	0.125	39.28
3.5	0.088	13.09
4	0.0625	6.55
8	0.0039	6.16
12	0.00024	2.13
Mean Phi	2.87	
Std. Dev.	1.51	
%Gravel	0.05	
%Sand	85.11	
%Mud	14.84	
%CaCO3	45.14	
%TOC	0.56	

Sample**N114**

Latitude 27 °11.495'
 Longitude 82 °48.292'
 Water Depth 18.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.72
-1	2	1.61
-0.5	1.41	1.61
0	1	7.25
0.5	0.71	6.45
1	0.5	10.48
1.5	0.35	21.76
2	0.25	26.6
2.5	0.177	12.1
3	0.125	4.03
3.5	0.088	1.61
4	0.0625	3.22
8	0.0039	0.68
12	0.00024	1.87
Mean Phi	1.57	
Std. Dev.	1.67	
%Gravel	0.72	
%Sand	93.5	
%Mud	5.78	
%CaCO3	63.35	
%TOC	2.02	

Sample**N115**

Latitude 27 °11.654'
 Longitude 82 °50.207'
 Water Depth 20.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	1.51
1.5	0.35	4.53
2	0.25	6.04
2.5	0.177	3.02
3	0.125	16.6
3.5	0.088	28.68
4	0.0625	9.06
8	0.0039	26.24
12	0.00024	4.33
Mean Phi	3.76	
Std. Dev.	1.91	
%Gravel	0	
%Sand	60.38	
%Mud	39.62	
%CaCO3	75.76	
%TOC	1.35	

Sample**N116**

Latitude 27 °13.904'
 Longitude 82 °51'.651'
 Water Depth 19.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.14
-1	2	0
-0.5	1.41	0
0	1	1.55
0.5	0.71	0
1	0.5	0
1.5	0.35	4.65
2	0.25	8.52
2.5	0.177	13.17
3	0.125	44.94
3.5	0.088	15.5
4	0.0625	5.42
8	0.0039	3.63
12	0.00024	2.48
Mean Phi	2.89	
Std. Dev.	1.53	
%Gravel	0.14	
%Sand	88.32	
%Mud	11.54	
%CaCO3	60.44	
%TOC	1.56	

Sample**N117**

Latitude 27 °15.500'
 Longitude 82 °52.415'
 Water Depth 18.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1
-1	2	0.78
-0.5	1.41	6.27
0	1	7.05
0.5	0.71	3.91
1	0.5	35.26
1.5	0.35	35.26
2	0.25	1.57
2.5	0.177	2.35
3	0.125	0.78
3.5	0.088	0.78
4	0.0625	0.78
8	0.0039	3.53
12	0.00024	0.64
Mean Phi	1.03	
Std. Dev.	1.36	
%Gravel	1	
%Sand	94.03	
%Mud	4.96	
%CaCO3	80.7	
%TOC	1.11	

Sample**N118**

Latitude 27 °16.908'
 Longitude 82 °50.169'
 Water Depth 15.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.23
-1	2	5.66
-0.5	1.41	0.81
0	1	0.81
0.5	0.71	0
1	0.5	4.85
1.5	0.35	1.62
2	0.25	33.97
2.5	0.177	37.2
3	0.125	7.28
3.5	0.088	4.04
4	0.0625	1.62
8	0.0039	0.37
12	0.00024	1.55
Mean Phi	1.99	
Std. Dev.	1.52	
%Gravel	0.23	
%Sand	96.24	
%Mud	3.53	
%CaCO3	59.13	
%TOC	1.59	

Sample**N119**

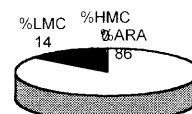
Latitude 27 °18.103'
 Longitude 82 °48.116'
 Water Depth 12.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.68
-1	2	2.39
-0.5	1.41	2.39
0	1	3.98
0.5	0.71	32.64
1	0.5	27.87
1.5	0.35	15.92
2	0.25	7.96
2.5	0.177	1.59
3	0.125	0
3.5	0.088	0
4	0.0625	3.12
8	0.0039	0.22
12	0.00024	1.17
Mean Phi	0.85	
Std. Dev.	1.42	
%Gravel	0.68	
%Sand	94.74	
%Mud	4.58	
%CaCO3	90.79	
%TOC	0.66	

Sample**N120**

Latitude 27 °18.724'
 Longitude 82 °45.737'
 Water Depth 13.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.35
-1	2	4.97
-0.5	1.41	0.83
0	1	1.66
0.5	0.71	0
1	0.5	0.83
1.5	0.35	1.66
2	0.25	4.97
2.5	0.177	4.97
3	0.125	58.04
3.5	0.088	14.92
4	0.0625	1.66
8	0.0039	3.27
12	0.00024	1.87
Mean Phi	2.66	
Std. Dev.	1.65	
%Gravel	0.35	
%Sand	92.86	
%Mud	6.8	
%CaCO3	30.54	
%TOC	0.41	

Carbonate Mineralogy

Sample **N121**

Latitude 27 °20.303'

Longitude 82 °41.611'

Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.04
-1	2	0
-0.5	1.41	4.44
0	1	4.44
0.5	0.71	25.18
1	0.5	47.4
1.5	0.35	11.85
2	0.25	0
2.5	0.177	1.48
3	0.125	0
3.5	0.088	1.48
4	0.0625	0
8	0.0039	0
12	0.00024	1.68

Mean Phi 0.75

Std. Dev. 1.5

%Gravel 2.04

%Sand 96.28

%Mud 1.68

%CaCO₃ 92.46

%TOC 0.38

Sample **N123**

Latitude 27 °23.277'

Longitude 82 °39.236'

Water Depth 7.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	7.39
-1	2	0
-0.5	1.41	0
0	1	1.54
0.5	0.71	20.08
1	0.5	20.08
1.5	0.35	13.9
2	0.25	23.17
2.5	0.177	6.95
3	0.125	0.77
3.5	0.088	0
4	0.0625	4.63
8	0.0039	0.11
12	0.00024	1.37

Mean Phi 1.15

Std. Dev. 1.64

%Gravel 7.39

%Sand 86.49

%Mud 6.12

%CaCO₃ 51.55

%TOC 0.81

Sample **N122**

Latitude 27 °21.788'

Longitude 82 °38.470'

Water Depth 8.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	13.33
-1	2	2.79
-0.5	1.41	3.49
0	1	6.99
0.5	0.71	4.89
1	0.5	9.78
1.5	0.35	7.69
2	0.25	3.49
2.5	0.177	20.96
3	0.125	20.96
3.5	0.088	3.49
4	0.0625	0.7
8	0.0039	0.28
12	0.00024	1.16

Mean Phi 1.26

Std. Dev. 1.94

%Gravel 13.33

%Sand 84.54

%Mud 2.13

%CaCO₃ 41.26

%TOC 0.92

Sample **N124**

Latitude 27 °25.202'

Longitude 82 °40.986'

Water Depth 6.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.42
-1	2	0
-0.5	1.41	1.74
0	1	0
0.5	0.71	0
1	0.5	2.61
1.5	0.35	0.87
2	0.25	0
2.5	0.177	3.48
3	0.125	67.85
3.5	0.088	15.66
4	0.0625	1.74
8	0.0039	1.8
12	0.00024	1.84

Mean Phi 2.79

Std. Dev. 1.49

%Gravel 2.42

%Sand 92.2

%Mud 5.38

%CaCO₃ 12.56

%TOC 0.38

Sample**N125**

Latitude 27 °25.138'

Longitude 82 °43.074'

Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	6.87
-1	2	0.8
-0.5	1.41	1.6
0	1	0
0.5	0.71	9.6
1	0.5	32.07
1.5	0.35	32.07
2	0.25	9.6
2.5	0.177	1.6
3	0.125	0
3.5	0.088	0
4	0.0625	3.2
8	0.0039	0.19
12	0.00024	2.52

Mean Phi 1.13
 Std. Dev. 1.89
 %Gravel 6.87
 %Sand 87.22
 %Mud 5.91
 %CaCO₃ 90.63
 %TOC 0.26

Sample**N127**

Latitude 27 °22.993'

Longitude 82 °47.654'

Water Depth 12.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.96
-1	2	1.65
-0.5	1.41	1.65
0	1	9.06
0.5	0.71	20.6
1	0.5	42.85
1.5	0.35	14.83
2	0.25	1.65
2.5	0.177	0
3	0.125	1.65
3.5	0.088	1.65
4	0.0625	0
8	0.0039	0.04
12	0.00024	1.42

Mean Phi 0.74
 Std. Dev. 1.47
 %Gravel 2.96
 %Sand 95.59
 %Mud 1.45
 %CaCO₃ 92.92
 %TOC 0.24

Sample**N126**

Latitude 27 °23.897'

Longitude 82 °45.717'

Water Depth 10.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	12.35
-1	2	1.43
-0.5	1.41	1.43
0	1	17.11
0.5	0.71	42.07
1	0.5	18.54
1.5	0.35	2.85
2	0.25	0
2.5	0.177	1.43
3	0.125	0
3.5	0.088	1.43
4	0.0625	0
8	0.0039	0.08
12	0.00024	1.28

Mean Phi 0.22
 Std. Dev. 1.53
 %Gravel 12.35
 %Sand 86.28
 %Mud 1.37
 %CaCO₃ 84.04
 %TOC 0.21

Sample**N128**

Latitude 27 °21.975'

Longitude 82 °49.844'

Water Depth 13.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	11.9
-1	2	0.79
-0.5	1.41	1.58
0	1	11.07
0.5	0.71	18.98
1	0.5	18.98
1.5	0.35	13.44
2	0.25	16.61
2.5	0.177	3.16
3	0.125	0
3.5	0.088	0
4	0.0625	1.58
8	0.0039	0.46
12	0.00024	1.45

Mean Phi 0.7
 Std. Dev. 1.73
 %Gravel 11.9
 %Sand 84.61
 %Mud 3.49
 %CaCO₃ 72.17
 %TOC 0.43

Sample**N129**

Latitude 27 °20.954'
 Longitude 82 °52.054'
 Water Depth 15.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.11
-1	2	0
-0.5	1.41	0.87
0	1	1.75
0.5	0.71	0
1	0.5	6.98
1.5	0.35	20.95
2	0.25	47.13
2.5	0.177	19.2
3	0.125	1.75
3.5	0.088	0
4	0.0625	0
8	0.0039	0.14
12	0.00024	1.11

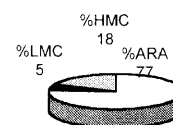
Mean Phi 1.74
 Std. Dev. 1.14
 %Gravel 0.11
 %Sand 98.63
 %Mud 1.25
 %CaCO₃ 50.77
 %TOC 0.3

Sample**N130**

Latitude 27 °19.864'
 Longitude 82 °54.413'
 Water Depth 10.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.68
-1	2	0
-0.5	1.41	2.3
0	1	9.97
0.5	0.71	23.01
1	0.5	32.98
1.5	0.35	23.77
2	0.25	1.53
2.5	0.177	0
3	0.125	1.53
3.5	0.088	1.53
4	0.0625	0
8	0.0039	0.04
12	0.00024	0.65

Mean Phi 0.71
 Std. Dev. 1.14
 %Gravel 2.68
 %Sand 96.63
 %Mud 0.7
 %CaCO₃ 75.34
 %TOC 0.12

Carbonate Mineralogy**Sample****N131**

Latitude 27 °18.695'
 Longitude 82 °56.889'
 Water Depth 21.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.12
-1	2	2.37
-0.5	1.41	0.79
0	1	15.02
0.5	0.71	27.68
1	0.5	36.38
1.5	0.35	12.65
2	0.25	0
2.5	0.177	0
3	0.125	0
3.5	0.088	1.58
4	0.0625	1.58
8	0.0039	0
12	0.00024	0.82

Mean Phi 0.61
 Std. Dev. 1.23
 %Gravel 1.12
 %Sand 96.48
 %Mud 2.4
 %CaCO₃ 84.2
 %TOC 0.79

Sample**N132**

Latitude 27 °17.690'
 Longitude 82 °59.044'
 Water Depth 23.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.66
-1	2	1.61
-0.5	1.41	1.61
0	1	4.82
0.5	0.71	14.45
1	0.5	33.71
1.5	0.35	33.71
2	0.25	4.82
2.5	0.177	0
3	0.125	0
3.5	0.088	1.61
4	0.0625	0
8	0.0039	0.01
12	0.00024	1.01

Mean Phi 0.87
 Std. Dev. 1.28
 %Gravel 2.66
 %Sand 96.32
 %Mud 1.02
 %CaCO₃ 77.19
 %TOC 0.27

Sample**N133**

Latitude	27 °18.520'	
Longitude	82 °59.310'	
Water Depth	23.5m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.59
-1	2	1.53
-0.5	1.41	0
0	1	1.53
0.5	0.71	9.18
1	0.5	19.89
1.5	0.35	44.38
2	0.25	16.83
2.5	0.177	1.53
3	0.125	0.77
3.5	0.088	2.3
4	0.0625	0
8	0.0039	0.34
12	0.00024	1.14
Mean Phi	1.26	
Std. Dev.	1.27	
%Gravel	0.59	
%Sand	97.93	
%Mud	1.48	
%CaCO3	64.26	
%TOC	0.53	

Sample**N135**

Latitude	27 °22.814'	
Longitude	82 °57.108'	
Water Depth	19.7m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	1.76
-0.5	1.41	0
0	1	0
0.5	0.71	1.76
1	0.5	4.4
1.5	0.35	11.44
2	0.25	21.12
2.5	0.177	36.96
3	0.125	17.6
3.5	0.088	3.52
4	0.0625	0
8	0.0039	0.48
12	0.00024	0.97
Mean Phi	2.09	
Std. Dev.	1.18	
%Gravel	0	
%Sand	98.55	
%Mud	1.45	
%CaCO3	35.47	
%TOC	0.86	

Sample**N134**

Latitude	27 °20.482'	
Longitude	82 °58.297'	
Water Depth	22.2m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.36
-1	2	0.84
-0.5	1.41	0
0	1	1.68
0.5	0.71	10.07
1	0.5	23.51
1.5	0.35	38.62
2	0.25	18.47
2.5	0.177	1.68
3	0.125	0
3.5	0.088	0
4	0.0625	1.68
8	0.0039	0.04
12	0.00024	1.05
Mean Phi	1.17	
Std. Dev.	1.27	
%Gravel	2.36	
%Sand	94.87	
%Mud	2.76	
%CaCO3	75.88	
%TOC	0.19	

Sample**N136**

Latitude	27 °24.488'	
Longitude	82 °56.225'	
Water Depth	16.8m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	8.7
-1	2	0
-0.5	1.41	0
0	1	1.64
0.5	0.71	1.64
1	0.5	4.92
1.5	0.35	13.13
2	0.25	42.66
2.5	0.177	22.97
3	0.125	3.28
3.5	0.088	0
4	0.0625	0
8	0.0039	0.04
12	0.00024	1.03
Mean Phi	1.52	
Std. Dev.	1.47	
%Gravel	8.7	
%Sand	90.24	
%Mud	1.06	
%CaCO3	44.7	
%TOC	0.38	

Sample N137

Latitude	27 °25.010'	
Longitude	82 °53.821'	
Water Depth	14.3m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.27
-1	2	0.79
-0.5	1.41	0.79
0	1	0
0.5	0.71	1.58
1	0.5	1.58
1.5	0.35	6.32
2	0.25	17.38
2.5	0.177	37.92
3	0.125	15.8
3.5	0.088	9.48
4	0.0625	6.32
8	0.0039	0.49
12	0.00024	1.27
Mean Phi	2.38	
Std. Dev.	1.3	
%Gravel	0.27	
%Sand	91.64	
%Mud	8.09	
%CaCO3	25.38	
%TOC	0.18	

Sample N138

Latitude	27 °25.068'	
Longitude	82 °51.703'	
Water Depth	13.4m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.91
-1	2	1.55
-0.5	1.41	0.78
0	1	0
0.5	0.71	3.1
1	0.5	1.55
1.5	0.35	7.76
2	0.25	12.41
2.5	0.177	37.24
3	0.125	24.83
3.5	0.088	7.76
4	0.0625	0
8	0.0039	0.61
12	0.00024	1.49
Mean Phi	2.26	
Std. Dev.	1.41	
%Gravel	0.91	
%Sand	96.99	
%Mud	2.1	
%CaCO3	41.43	
%TOC	0.22	

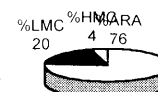
Sample N139

Latitude	27 °25.133'	
Longitude	82 °49.190'	
Water Depth	10.3m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	2.03
-1	2	0.82
-0.5	1.41	3.29
0	1	13.16
0.5	0.71	28.79
1	0.5	33.72
1.5	0.35	11.51
2	0.25	4.93
2.5	0.177	0
3	0.125	0
3.5	0.088	0
4	0.0625	0
8	0.0039	0.04
12	0.00024	1.7
Mean Phi	0.64	
Std. Dev.	1.51	
%Gravel	2.03	
%Sand	96.22	
%Mud	1.74	
%CaCO3	88.99	
%TOC	0.41	

Sample N140

Latitude	27 °25.200'	
Longitude	82 °46.972'	
Water Depth	10.1m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	4.17
-1	2	0
-0.5	1.41	1.54
0	1	0
0.5	0.71	16.99
1	0.5	38.61
1.5	0.35	29.34
2	0.25	3.09
2.5	0.177	0
3	0.125	1.54
3.5	0.088	1.54
4	0.0625	1.54
8	0.0039	0.08
12	0.00024	1.54
Mean Phi	0.99	
Std. Dev.	1.52	
%Gravel	4.17	
%Sand	92.67	
%Mud	3.16	
%CaCO3	83.2	
%TOC	0.13	

Carbonate Mineralogy



Sample**N141**

Latitude 27 °25.254'

Longitude 82 °44.621'

Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	11.12
-1	2	0
-0.5	1.41	0
0	1	32.64
0.5	0.71	29.45
1	0.5	19.1
1.5	0.35	4.78
2	0.25	0
2.5	0.177	0
3	0.125	0.8
3.5	0.088	0.8
4	0.0625	0
8	0.0039	0.2
12	0.00024	1.12

Mean Phi 0.18

Std. Dev. 1.44

%Gravel 11.12

%Sand 87.56

%Mud 1.32

%CaCO₃ 93.79

%TOC 0.36

Sample**N142**

Latitude 27 °23.775'

Longitude 82 °42.963'

Water Depth 10.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.65
-1	2	3.12
-0.5	1.41	2.34
0	1	7.8
0.5	0.71	39.03
1	0.5	40.59
1.5	0.35	1.56
2	0.25	0
2.5	0.177	0.78
3	0.125	0.78
3.5	0.088	0
4	0.0625	1.56
8	0.0039	0.19
12	0.00024	1.59

Mean Phi 0.62

Std. Dev. 1.51

%Gravel 0.65

%Sand 96.01

%Mud 3.34

%CaCO₃ 95.28

%TOC 0.47

Sample**N143**

Latitude 27 °21.953'

Longitude 82 °41.775'

Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.17
-1	2	3.33
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	1.67
1.5	0.35	0
2	0.25	5
2.5	0.177	5
3	0.125	38.32
3.5	0.088	31.66
4	0.0625	5
8	0.0039	7.15
12	0.00024	2.71

Mean Phi 3.09

Std. Dev. 1.71

%Gravel 0.17

%Sand 84.97

%Mud 14.86

%CaCO₃ 24.33

%TOC 0.68

Sample**N144**

Latitude 27 °20.183'

Longitude 82 °40.659'

Water Depth 10.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.69
-1	2	3.18
-0.5	1.41	5.56
0	1	10.32
0.5	0.71	32.56
1	0.5	32.56
1.5	0.35	3.18
2	0.25	0
2.5	0.177	1.59
3	0.125	0
3.5	0.088	1.59
4	0.0625	1.59
8	0.0039	0.25
12	0.00024	1.95

Mean Phi 0.53

Std. Dev. 1.77

%Gravel 5.69

%Sand 90.52

%Mud 3.79

%CaCO₃ 89.93

%TOC 0.58

Sample N145

Latitude 27 °18.243'

Longitude 82 °39.451'

Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	24.58
-1	2	1.31
-0.5	1.41	0.66
0	1	4.59
0.5	0.71	23.59
1	0.5	24.9
1.5	0.35	7.86
2	0.25	5.24
2.5	0.177	2.62
3	0.125	1.31
3.5	0.088	0
4	0.0625	1.31
8	0.0039	0.94
12	0.00024	1.09

Mean Phi 0.28

Std. Dev. 1.76

%Gravel 24.58

%Sand 72.08

%Mud 3.34

%CaCO₃ 87.62

%TOC 0.46

Sample N147

Latitude 27 °15.615'

Longitude 82 °37.725'

Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	35.01
-1	2	1.11
-0.5	1.41	2.22
0	1	1.11
0.5	0.71	19.45
1	0.5	19.45
1.5	0.35	16.67
2	0.25	1.67
2.5	0.177	0.56
3	0.125	0
3.5	0.088	1.11
4	0.0625	0
8	0.0039	0.19
12	0.00024	1.44

Mean Phi 2.36

Std. Dev. 1.86

%Gravel 35.01

%Sand 63.36

%Mud 1.63

%CaCO₃ 89.45

%TOC 0.4

Sample N146

Latitude 27 °16.200'

Longitude 82 °38.110'

Water Depth 11.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	7.98
-1	2	0.74
-0.5	1.41	0.74
0	1	0.74
0.5	0.71	3.72
1	0.5	4.46
1.5	0.35	5.2
2	0.25	11.89
2.5	0.177	33.45
3	0.125	19.33
3.5	0.088	5.94
4	0.0625	2.97
8	0.0039	1
12	0.00024	1.82

Mean Phi 2

Std. Dev. 1.84

%Gravel 7.98

%Sand 86.22

%Mud 5.79

%CaCO₃ 36.01

%TOC 0.2

Sample N148

Latitude 27 °13.864'

Longitude 82 °36.635'

Water Depth 9.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	12.68
-1	2	4.68
-0.5	1.41	5.35
0	1	14.71
0.5	0.71	34.1
1	0.5	19.39
1.5	0.35	2.67
2	0.25	1.34
2.5	0.177	1.34
3	0.125	0.67
3.5	0.088	0
4	0.0625	2.01
8	0.0039	0.29
12	0.00024	0.79

Mean Phi 0.16

Std. Dev. 1.45

%Gravel 12.68

%Sand 84.23

%Mud 3.08

%CaCO₃ 91.72

%TOC 1.89

Sample**N149**

Latitude	27 °12.396'	
Longitude	82 °35.690'	
Water Depth	10.7m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.65
-1	2	0.53
-0.5	1.41	2.63
0	1	2.1
0.5	0.71	3.15
1	0.5	5.26
1.5	0.35	4.21
2	0.25	5.26
2.5	0.177	6.83
3	0.125	16.3
3.5	0.088	7.36
4	0.0625	6.31
8	0.0039	34.18
12	0.00024	5.25
Mean Phi	3.51	
Std. Dev.	2.47	
%Gravel	0.65	
%Sand	53.62	
%Mud	45.74	
%CaCO3	59.1	
%TOC	2.94	

Sample**N151**

Latitude	27 °09.124'	
Longitude	82 °33.613'	
Water Depth	10.7m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	2.72
-1	2	3.33
-0.5	1.41	0.83
0	1	0.83
0.5	0.71	0.83
1	0.5	2.5
1.5	0.35	0.83
2	0.25	8.32
2.5	0.177	9.99
3	0.125	38.29
3.5	0.088	23.31
4	0.0625	6.66
8	0.0039	0.1
12	0.00024	1.45
Mean Phi	2.53	
Std. Dev.	1.61	
%Gravel	2.72	
%Sand	89.07	
%Mud	8.21	
%CaCO3	36.42	
%TOC	0.78	

Sample**N150**

Latitude	27 °10.714'	
Longitude	82 °34.604'	
Water Depth	10.4m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	2.04
-1	2	3.24
-0.5	1.41	3.24
0	1	17.01
0.5	0.71	38.08
1	0.5	26.74
1.5	0.35	4.86
2	0.25	0
2.5	0.177	0
3	0.125	1.62
3.5	0.088	0
4	0.0625	1.62
8	0.0039	0.11
12	0.00024	1.44
Mean Phi	0.48	
Std. Dev.	1.51	
%Gravel	2.04	
%Sand	94.79	
%Mud	3.17	
%CaCO3	92.9	
%TOC	0.49	

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**Sample****N152**

Latitude	27 °07.261'	
Longitude	82 °32.425'	
Water Depth	11.9m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	10.17
-1	2	0.62
-0.5	1.41	1.85
0	1	6.17
0.5	0.71	1.85
1	0.5	9.25
1.5	0.35	3.08
2	0.25	4.32
2.5	0.177	3.7
3	0.125	27.14
3.5	0.088	12.34
4	0.0625	6.16
8	0.0039	10.39
12	0.00024	2.96
Mean Phi	2.28	
Std. Dev.	2.44	
%Gravel	10.17	
%Sand	70.31	
%Mud	19.52	
%CaCO3	53.23	
%TOC	1.27	

Sample**N153**

Latitude 27 °05.501'

Longitude 82 °31.374'

Water Depth 11m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	42.79
-1	2	0.9
-0.5	1.41	2.7
0	1	10.78
0.5	0.71	22.46
1	0.5	17.07
1.5	0.35	0.45
2	0.25	1.35
2.5	0.177	0
3	0.125	0
3.5	0.088	0
4	0.0625	0
8	0.0039	0.18
12	0.00024	1.33

Mean Phi -0.44
Std. Dev. 1.72
%Gravel 42.79
%Sand 55.7
%Mud 1.51
%CaCO3 91.22
%TOC 0.74

Sample**N154**

Latitude 27 °03.760'

Longitude 82 °30.164'

Water Depth 11.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.18
-1	2	1.43
-0.5	1.41	0
0	1	2.15
0.5	0.71	8.6
1	0.5	15.77
1.5	0.35	11.47
2	0.25	22.93
2.5	0.177	22.93
3	0.125	4.3
3.5	0.088	0
4	0.0625	2.87
8	0.0039	0.65
12	0.00024	1.73

Mean Phi 1.53
Std. Dev. 1.72
%Gravel 5.18
%Sand 89.58
%Mud 5.25
%CaCO3 42.06
%TOC 0.38

Sample**N155**

Latitude 27 °02.146'

Longitude 82 °29.191'

Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	63.62
-1	2	4.41
-0.5	1.41	6.1
0	1	6.1
0.5	0.71	12.54
1	0.5	4.4
1.5	0.35	0
2	0.25	0.68
2.5	0.177	0
3	0.125	0.68
3.5	0.088	0
4	0.0625	0.68
8	0.0039	0.79
12	0.00024	0.72

Mean Phi -1.03
Std. Dev. 1.45
%Gravel 63.62
%Sand 34.9
%Mud 1.4
%CaCO3 91.78
%TOC 0.4

Sample**N156**

Latitude 27 °00.275'

Longitude 82 °27.974'

Water Depth 10.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.75
-1	2	4.8
-0.5	1.41	0
0	1	2.4
0.5	0.71	1.6
1	0.5	8.79
1.5	0.35	9.59
2	0.25	11.19
2.5	0.177	20.78
3	0.125	23.98
3.5	0.088	7.99
4	0.0625	1.6
8	0.0039	4
12	0.00024	1.53

Mean Phi 2.1
Std. Dev. 1.71
%Gravel 1.75
%Sand 91.12
%Mud 7.14
%CaCO3 29.8
%TOC 0.2

Sample**N157**

Latitude 26 °58.591'

Longitude 82 °26.921'

Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.97
-1	2	2.32
-0.5	1.41	0.77
0	1	0.77
0.5	0.71	0.77
1	0.5	0.77
1.5	0.35	4.64
2	0.25	7.73
2.5	0.177	24.75
3	0.125	32.48
3.5	0.088	9.28
4	0.0625	6.96
8	0.0039	5.97
12	0.00024	1.81

Mean Phi 2.66

Std. Dev. 1.63

%Gravel 0.97

%Sand 84.3

%Mud 14.73

%CaCO₃ 25.38

%TOC 0.7

Sample**N159**

Latitude 27 °00.304'

Longitude 82 °25.145'

Water Depth 7.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	43.18
-1	2	2.13
-0.5	1.41	0.53
0	1	12.26
0.5	0.71	21.31
1	0.5	14.92
1.5	0.35	3.2
2	0.25	0.53
2.5	0.177	0.53
3	0.125	0
3.5	0.088	0
4	0.0625	0
8	0.0039	0.54
12	0.00024	0.87

Mean Phi -0.47

Std. Dev. 1.59

%Gravel 43.18

%Sand 55.42

%Mud 4.41

%CaCO₃ 80.47

%TOC 0.5

Sample**N158**

Latitude 26 °58.376'

Longitude 82 °25.196'

Water Depth 6.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	3.77
-1	2	4.3
-0.5	1.41	2.15
0	1	1.43
0.5	0.71	0
1	0.5	8.6
1.5	0.35	20.07
2	0.25	44.43
2.5	0.177	12.9
3	0.125	0
3.5	0.088	0
4	0.0625	1.43
8	0.0039	0.17
12	0.00024	0.74

Mean Phi 1.39

Std. Dev. 1.34

%Gravel 3.77

%Sand 93.89

%Mud 2.34

%CaCO₃ 32.69

%TOC 0.29

Sample**N160**

Latitude 27 °02.360'

Longitude 82 °26.459'

Water Depth 7.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.37
-1	2	3.88
-0.5	1.41	1.94
0	1	0
0.5	0.71	1.29
1	0.5	1.29
1.5	0.35	3.88
2	0.25	3.88
2.5	0.177	10.34
3	0.125	42.64
3.5	0.088	15.51
4	0.0625	3.88
8	0.0039	9.32
12	0.00024	1.79

Mean Phi 2.78

Std. Dev. 1.73

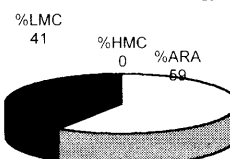
%Gravel 0.37

%Sand 84.64

%Mud 14.99

%CaCO₃ 26.33

%TOC 1.25

Carbonate Mineralogy

Sample N161

Latitude 27 °04.227'

Longitude 82 °27.573'

Water Depth 6.0m

Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.41
-1	2	0
-0.5	1.41	3.07
0	1	2.31
0.5	0.71	0
1	0.5	3.84
1.5	0.35	10.76
2	0.25	27.66
2.5	0.177	44.57
3	0.125	3.07
3.5	0.088	1.54
4	0.0625	0.77
8	0.0039	0.1
12	0.00024	1.91

Mean Phi 1.99

Std. Dev. 1.48

%Gravel 0.41

%Sand 96.82

%Mud 2.78

%CaCO₃ 20.4

%TOC 0.46

Sample N162

Latitude 27 °06.082'

Longitude 82 °28.679'

Water Depth 8.2m

Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.69
-1	2	1.07
-0.5	1.41	0
0	1	0
0.5	0.71	1.07
1	0.5	1.07
1.5	0.35	4.26
2	0.25	4.26
2.5	0.177	8.52
3	0.125	59.67
3.5	0.088	12.79
4	0.0625	2.13
8	0.0039	3.16
12	0.00024	1.32

Mean Phi 2.74

Std. Dev. 1.3

%Gravel 0.69

%Sand 92.7

%Mud 6.61

%CaCO₃ 16.1

%TOC 0.93

Sample N163

Latitude 27 °08.069'

Longitude 82 °29.884'

Water Depth 8.2m

Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	25.61
-1	2	0
-0.5	1.41	0
0	1	1.44
0.5	0.71	5.04
1	0.5	2.16
1.5	0.35	5.76
2	0.25	3.6
2.5	0.177	18
3	0.125	25.93
3.5	0.088	4.32
4	0.0625	5.76
8	0.0039	0.91
12	0.00024	1.46

Mean Phi 1.39

Std. Dev. 2.28

%Gravel 25.61

%Sand 66.26

%Mud 8.13

%CaCO₃ 59.29

%TOC 0.21

Sample N164

Latitude 27 °09.827'

Longitude 82 °30.927'

Water Depth 8.5m

Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	15.8
-1	2	2.28
-0.5	1.41	0
0	1	0.76
0.5	0.71	18.21
1	0.5	32.63
1.5	0.35	15.18
2	0.25	1.52
2.5	0.177	3.03
3	0.125	1.52
3.5	0.088	1.52
4	0.0625	6.07
8	0.0039	0
12	0.00024	1.49

Mean Phi 0.75

Std. Dev. 1.88

%Gravel 15.8

%Sand 76.64

%Mud 7.56

%CaCO₃ 95.17

%TOC 0.42

Sample**N165**

Latitude 27 °12.397'

Longitude 82 °31.685'

Water Depth 8.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	56.77
-1	2	0.86
-0.5	1.41	0.43
0	1	0.86
0.5	0.71	9
1	0.5	3.43
1.5	0.35	4.28
2	0.25	3.43
2.5	0.177	6.85
3	0.125	9.42
3.5	0.088	0
4	0.0625	3.43
8	0.0039	0.08
12	0.00024	1.19

Mean Phi -0.17

Std. Dev. 2.22

%Gravel 56.77

%Sand 38.54

%Mud 4.69

%CaCO3 89.02

%TOC 0.2

Sample**N167**

Latitude 27 °15.354'

Longitude 82 °35.053'

Water Depth 8.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	
-2	4	
-1.5	2.83	
-1	2	
-0.5	1.41	
0	1	
0.5	0.71	
1	0.5	
1.5	0.35	
2	0.25	
2.5	0.177	
3	0.125	
3.5	0.088	
4	0.0625	
8	0.0039	
12	0.00024	

Mean Phi Lost sample

Std. Dev.

%Gravel

%Sand

%Mud

%CaCO3

%TOC

Sample**N166**

Latitude 27 °13.645'

Longitude 82 °32.973'

Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.5
-1	2	2.52
-0.5	1.41	0.84
0	1	2.52
0.5	0.71	0.84
1	0.5	2.52
1.5	0.35	9.23
2	0.25	8.39
2.5	0.177	8.39
3	0.125	48.66
3.5	0.088	8.39
4	0.0625	1.68
8	0.0039	2.19
12	0.00024	2.35

Mean Phi 2.44

Std. Dev. 1.78

%Gravel 1.5

%Sand 92.29

%Mud 6.21

%CaCO3 27.57

%TOC 0.98

Sample**N168**

Latitude 27 °16.992'

Longitude 82 °36.048'

Water Depth 9.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	58.32
-1	2	3.53
-0.5	1.41	15.46
0	1	11.04
0.5	0.71	4.86
1	0.5	1.77
1.5	0.35	0.44
2	0.25	0.88
2.5	0.177	0.88
3	0.125	0.44
3.5	0.088	0.44
4	0.0625	0.44
8	0.0039	0.42
12	0.00024	1.06

Mean Phi -0.96

Std. Dev. 1.62

%Gravel 58.32

%Sand 39.76

%Mud 1.92

%CaCO3 92.3

%TOC 0.3

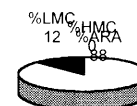
Sample N169

Latitude	27 °19.057'	
Longitude	82 °37.339'	
Water Depth	8.5m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.69
-1	2	0.95
-0.5	1.41	1.9
0	1	0
0.5	0.71	1.9
1	0.5	3.81
1.5	0.35	3.81
2	0.25	7.62
2.5	0.177	5.71
3	0.125	55.24
3.5	0.088	13.33
4	0.0625	1.9
8	0.0039	1.91
12	0.00024	1.21
Mean Phi	2.56	
Std. Dev.	1.38	
%Gravel	0.69	
%Sand	94.29	
%Mud	5.02	
%CaCO ₃	24.45	
%TOC	0.69	

Sample N170

Latitude	27 °20.745'	
Longitude	82 °38.413'	
Water Depth	9.1m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	5.2
-1	2	4.07
-0.5	1.41	0.81
0	1	8.14
0.5	0.71	34.17
1	0.5	33.36
1.5	0.35	5.69
2	0.25	1.63
2.5	0.177	0
3	0.125	1.63
3.5	0.088	0
4	0.0625	4.07
8	0.0039	0.53
12	0.00024	0.72
Mean Phi	0.57	
Std. Dev.	1.4	
%Gravel	5.2	
%Sand	89.49	
%Mud	5.31	
%CaCO ₃	92.68	
%TOC	0.39	

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**Sample N171**

Latitude	27 °22.779'	
Longitude	82 °39.701'	
Water Depth	7.9m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0.93
-0.5	1.41	0
0	1	0.93
0.5	0.71	0.93
1	0.5	0
1.5	0.35	0
2	0.25	5.56
2.5	0.177	11.13
3	0.125	63.04
3.5	0.088	13.9
4	0.0625	0.93
8	0.0039	1.06
12	0.00024	1.59
Mean Phi	2.78	
Std. Dev.	1.25	
%Gravel	0	
%Sand	96.42	
%Mud	3.58	
%CaCO ₃	11.87	
%TOC	0.48	

Sample N172

Latitude	27 °23.718'	
Longitude	82 °42.031'	
Water Depth	9.1m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	41.4
-1	2	4.49
-0.5	1.41	4.49
0	1	0.75
0.5	0.71	19.47
1	0.5	9.73
1.5	0.35	4.49
2	0.25	1.5
2.5	0.177	0
3	0.125	3
3.5	0.088	0
4	0.0625	1.5
8	0.0039	2.38
12	0.00024	6.79
Mean Phi	0.39	
Std. Dev.	3.26	
%Gravel	41.4	
%Sand	47.93	
%Mud	10.67	
%CaCO ₃	94.85	
%TOC	0.31	

Sample**N173**

Latitude	27 °27.899'	
Longitude	82 °47.037'	
Water Depth	8.8m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.22
-1	2	2.75
-0.5	1.41	0
0	1	0.92
0.5	0.71	5.5
1	0.5	9.16
1.5	0.35	11
2	0.25	12.83
2.5	0.177	43.99
3	0.125	9.16
3.5	0.088	1.83
4	0.0625	1.83
8	0.0039	0.25
12	0.00024	0.54
Mean Phi	1.85	
Std. Dev.	1.16	
%Gravel	0.22	
%Sand	97.14	
%Mud	2.63	
%CaCO3	17.97	
%TOC	0.45	

Sample**N175**

Latitude	27 °31.837'	
Longitude	82 °49.324'	
Water Depth	9.8m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	1.59
-0.5	1.41	0
0	1	0.8
0.5	0.71	0.8
1	0.5	0
1.5	0.35	1.59
2	0.25	0
2.5	0.177	22.32
3	0.125	52.62
3.5	0.088	11.16
4	0.0625	6.38
8	0.0039	1.34
12	0.00024	1.38
Mean Phi	2.77	
Std. Dev.	1.25	
%Gravel	0	
%Sand	90.89	
%Mud	9.11	
%CaCO3	6.64	
%TOC	0.34	

Sample**N174**

Latitude	27 °29.478'	
Longitude	82 °48.529'	
Water Depth	9.5m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0.23
-1	2	0.85
-0.5	1.41	0
0	1	0
0.5	0.71	1.69
1	0.5	0
1.5	0.35	1.69
2	0.25	8.47
2.5	0.177	48.26
3	0.125	27.94
3.5	0.088	1.69
4	0.0625	8.47
8	0.0039	0.48
12	0.00024	0.24
Mean Phi	2.44	
Std. Dev.	0.84	
%Gravel	0.23	
%Sand	90.59	
%Mud	9.18	
%CaCO3	5.47	
%TOC	0.15	

Sample**M1**

Latitude 27° 16.609'
 Longitude 82° 34.822'
 Water Depth 4.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.95
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	0.95
1.5	0.35	0
2	0.25	0
2.5	0.177	4.76
3	0.125	78.04
3.5	0.088	9.52
4	0.0625	1.9
8	0.0039	1.1
12	0.00024	0.78
Mean Phi 2.73		
Std. Dev. 1.13		
%Gravel 2.95		
%Sand 93.27		
%Mud 3.78		
%CaCO3 9.45		
%TOC 0.13		

Sample**M2**

Latitude 27° 18.772'
 Longitude 82° 34.898'
 Water Depth 4.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.12
-1	2	0
-0.5	1.41	1.76
0	1	0
0.5	0.71	0
1	0.5	0.88
1.5	0.35	4.39
2	0.25	0
2.5	0.177	8.79
3	0.125	70.31
3.5	0.088	12.31
4	0.0625	0
8	0.0039	0.77
12	0.00024	0.67
Mean Phi 2.69		
Std. Dev. 0.96		
%Gravel 0.12		
%Sand 98.44		
%Mud 1.43		
%CaCO3 7.76		
%TOC 0.13		

Sample**M3**

Latitude 27° 20.341'
 Longitude 82° 36.235'
 Water Depth 3.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	1.89
0	1	0
0.5	0.71	0
1	0.5	0
1.5	0.35	1.89
2	0.25	0
2.5	0.177	0
3	0.125	73.87
3.5	0.088	20.84
4	0.0625	0
8	0.0039	0.29
12	0.00024	1.21
Mean Phi 2.87		
Std. Dev. 1.07		
%Gravel 0		
%Sand 98.49		
%Mud 1.51		
%CaCO3 3.78		
%TOC 0.08		

Sample**M4**

Latitude 27° 21.540'
 Longitude 82° 37.408'
 Water Depth 4.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.8
-1	2	0
-0.5	1.41	1.62
0	1	1.62
0.5	0.71	1.62
1	0.5	0
1.5	0.35	0
2	0.25	1.62
2.5	0.177	4.86
3	0.125	61.58
3.5	0.088	19.45
4	0.0625	3.24
8	0.0039	1.08
12	0.00024	0.52
Mean Phi 2.63		
Std. Dev. 1.23		
%Gravel 2.8		
%Sand 92.36		
%Mud 4.83		
%CaCO3 8.33		
%TOC 0.12		

Sample**M5**

Latitude 27 ° 22.946'

Longitude 82 ° 38.470'

Water Depth 4.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.07
-1	2	0
-0.5	1.41	0
0	1	1.05
0.5	0.71	0
1	0.5	0
1.5	0.35	0
2	0.25	1.05
2.5	0.177	2.09
3	0.125	75.28
3.5	0.088	16.73
4	0.0625	2.09
8	0.0039	0.51
12	0.00024	1.14

Mean Phi 2.9

Std. Dev. 0.98

%Gravel 0.07

%Sand 96.19

%Mud 3.74

%CaCO₃ 4.63

%TOC 0.14

Sample**M7**

Latitude 27 ° 19.965'

Longitude 82 ° 36.262'

Water Depth 6.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	44.91
-1	2	0.96
-0.5	1.41	3.36
0	1	6.71
0.5	0.71	7.67
1	0.5	1.92
1.5	0.35	1.92
2	0.25	0
2.5	0.177	1.92
3	0.125	20.13
3.5	0.088	4.79
4	0.0625	1.92
8	0.0039	2.21
12	0.00024	1.6

Mean Phi 0.33

Std. Dev. 2.5

%Gravel 44.91

%Sand 49.37

%Mud 5.72

%CaCO₃ 81.49**Sample****M6**

Latitude 27 ° 18.398'

Longitude 82 ° 34.883'

Water Depth 4.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	2.01
1	0.5	0
1.5	0.35	0
2	0.25	2.01
2.5	0.177	0
3	0.125	62.45
3.5	0.088	30.22
4	0.0625	2.01
8	0.0039	0.36
12	0.00024	0.93

Mean Phi 2.94

Std. Dev. 0.93

%Gravel 0

%Sand 96.7

%Mud 3.3

%CaCO₃ 4.15

%TOC 0

Sample**M8**

Latitude 27 ° 20.830'

Longitude 82 ° 36.975'

Water Depth 6.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.46
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	1.65
1	0.5	0
1.5	0.35	8.25
2	0.25	18.15
2.5	0.177	49.5
3	0.125	11.55
3.5	0.088	1.65
4	0.0625	0
8	0.0039	0.13
12	0.00024	4.65

Mean Phi 2.35

Std. Dev. 2.12

%Gravel 4.46

%Sand 95.22

%Mud 4.78

%CaCO₃ 29.28

%TOC 1.08

Sample**M9**

Latitude 27 °22.022'
 Longitude 82 °37.998'
 Water Depth 6.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	3.87
-1	2	0
-0.5	1.41	0
0	1	16.6
0.5	0.71	1.84
1	0.5	12.91
1.5	0.35	9.22
2	0.25	3.69
2.5	0.177	12.91
3	0.125	27.66
3.5	0.088	2.77
4	0.0625	2.77
8	0.0039	3.95
12	0.00024	1.81
Mean Phi 0.219		
Std. Dev. 2.47		
%Gravel 3.87		
%Sand 87.61		
%Mud 8.53		
%CaCO3 38.18		
%TOC 1.61		

Sample**M10**

Latitude 27 °18.874'
 Longitude 82 °35.799'
 Water Depth 6.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.17
-1	2	2.09
-0.5	1.41	2.09
0	1	0
0.5	0.71	0
1	0.5	0
1.5	0.35	0
2	0.25	0
2.5	0.177	4.19
3	0.125	71.18
3.5	0.088	14.65
4	0.0625	2.09
8	0.0039	0.67
12	0.00024	0.85
Mean Phi 2.65		
Std. Dev. 1.31		
%Gravel 2.17		
%Sand 94.21		
%Mud 3.62		
%CaCO3 5.49		
%TOC 0.16		

Sample**M11**

Latitude 27 °20.672'
 Longitude 82 °37.047'
 Water Depth 6.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	62.7
-1	2	0
-0.5	1.41	0.5
0	1	0.74
0.5	0.71	1.73
1	0.5	29.7
1.5	0.35	0
2	0.25	0
2.5	0.177	0.12
3	0.125	0.12
3.5	0.088	0
4	0.0625	2.97
8	0.0039	0.19
12	0.00024	1.22
Mean Phi -0.61		
Std. Dev. 1.92		
%Gravel 62.7		
%Sand 32.92		
%Mud 4.38		
%CaCO3 95.19		
%TOC 0.5		

Sample**M12**

Latitude 27 °21.598'
 Longitude 82 °38.868'
 Water Depth 5.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	19.8
-1	2	0.85
-0.5	1.41	0
0	1	0
0.5	0.71	28.97
1	0.5	34.08
1.5	0.35	5.96
2	0.25	4.26
2.5	0.177	1.7
3	0.125	0
3.5	0.088	0
4	0.0625	1.7
8	0.0039	0.65
12	0.00024	2.02
Mean Phi 0.48		
Std. Dev. 1.94		
%Gravel 19.8		
%Sand 75.83		
%Mud 4.37		
%CaCO3 92.61		
%TOC 0.67		

Sample**M13**

Latitude 27 °22.585'

Longitude 82 °38.707'

Water Depth 7.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	36.87
-1	2	0.63
-0.5	1.41	0.63
0	1	7.5
0.5	0.71	8.13
1	0.5	10.63
1.5	0.35	22.5
2	0.25	5
2.5	0.177	1.25
3	0.125	1.88
3.5	0.088	1.25
4	0.0625	1.88
8	0.0039	0.28
12	0.00024	1.59

Mean Phi 0.17

Std. Dev. 2.07

%Gravel 36.87

%Sand 59.38

%Mud 3.75

%CaCO3 91.32

%TOC 0.45

Sample**M15**

Latitude 27 °19.171'

Longitude 82 °36.018'

Water Depth 6.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.09
-1	2	0.74
-0.5	1.41	0.74
0	1	0
0.5	0.71	0
1	0.5	1.48
1.5	0.35	1.48
2	0.25	0
2.5	0.177	7.38
3	0.125	66.42
3.5	0.088	17.71
4	0.0625	1.48
8	0.0039	0.54
12	0.00024	0.95

Mean Phi 2.75

Std. Dev. 1.12

%Gravel 1.09

%Sand 95.94

%Mud 2.97

%CaCO3 5.41

%TOC 0.21

Sample**M14**

Latitude 27 °18.182'

Longitude 82 °35.161'

Water Depth 5.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.79
-1	2	0
-0.5	1.41	0.9
0	1	0.9
0.5	0.71	0
1	0.5	0
1.5	0.35	0
2	0.25	0
2.5	0.177	5.43
3	0.125	68.74
3.5	0.088	19.9
4	0.0625	1.81
8	0.0039	0.48
12	0.00024	1.04

Mean Phi 2.84

Std. Dev. 1.08

%Gravel 0.79

%Sand 95.87

%Mud 3.33

%CaCO3 5.35

%TOC 0.2

Sample**M16**

Latitude 27 °20.755'

Longitude 82 °37.369'

Water Depth 7.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	23.93
-1	2	0
-0.5	1.41	1.08
0	1	7.04
0.5	0.71	37.92
1	0.5	22.21
1.5	0.35	3.25
2	0.25	1.08
2.5	0.177	1.08
3	0.125	0
3.5	0.088	0
4	0.0625	1.08
8	0.0039	0.02
12	0.00024	1.3

Mean Phi 0.086

Std. Dev. 1.66

%Gravel 23.93

%Sand 73.67

%Mud 2.4

%CaCO3 97.02

%TOC 0.28

Sample M17

Latitude 27 °22.227'

Longitude 82 °38.635'

Water Depth 7.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	64.13
-1	2	0.64
-0.5	1.41	8.35
0	1	1.93
0.5	0.71	14.13
1	0.5	6.42
1.5	0.35	1.28
2	0.25	0
2.5	0.177	0.64
3	0.125	0.64
3.5	0.088	0
4	0.0625	0
8	0.0039	0.41
12	0.00024	1.43

Mean Phi -0.89

Std. Dev. 1.79

%Gravel 64.13

%Sand 34.03

%Mud 1.84

%CaCO₃ 95.48

%TOC 1.08

Sample M18

Latitude 27 °20.588'

Longitude 82 °37.339'

Water Depth 7.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	59.31
-1	2	0
-0.5	1.41	2.46
0	1	10.55
0.5	0.71	15.82
1	0.5	7.73
1.5	0.35	0.7
2	0.25	0.7
2.5	0.177	0
3	0.125	0
3.5	0.088	0.7
4	0.0625	0.7
8	0.0039	0.35
12	0.00024	0.97

Mean Phi -0.79

Std. Dev. 1.65

%Gravel 59.31

%Sand 38.67

%Mud 2.02

%CaCO₃ 95.58

%TOC 0.5

Sample M19

Latitude 27 °17.556'

Longitude 82 °34.821'

Water Depth 4.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.11
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	0.68
1	0.5	0.68
1.5	0.35	0
2	0.25	0
2.5	0.177	6.78
3	0.125	73.21
3.5	0.088	14.91
4	0.0625	1.36
8	0.0039	0.48
12	0.00024	0.8

Mean Phi 2.8

Std. Dev. 0.96

%Gravel 1.14

%Sand 96.25

%Mud 2.63

%CaCO₃ 4.22

%TOC 0.16

Sample M20

Latitude 27 °18.712'

Longitude 82 °35.814'

Water Depth 6.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.46
-1	2	0.72
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	2.86
1.5	0.35	2.86
2	0.25	1.43
2.5	0.177	2.86
3	0.125	62.99
3.5	0.088	18.61
4	0.0625	1.43
8	0.0039	0.41
12	0.00024	1.36

Mean Phi 2.62

Std. Dev. 1.49

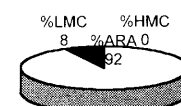
%Gravel 4.46

%Sand 92.33

%Mud 3.2

%CaCO₃ 14.9

%TOC 0.38

Carbonate Mineralogy

Sample**M20A**

Latitude 27 °19.096'

Longitude 82 °36'.144

Water Depth 6.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.04
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	1.45
1	0.5	0
1.5	0.35	1.45
2	0.25	0
2.5	0.177	1.45
3	0.125	76.84
3.5	0.088	15.95
4	0.0625	1.45
8	0.0039	0.12
12	0.00024	1.26

Mean Phi 2.88
Std. Dev. 1.02
%Gravel 0.04
%Sand 97.13
%Mud 2.83
%CaCO3 4.74
%TOC 0.21

Sample**M20B**

Latitude 27 °19.608'

Longitude 82 °36.599'

Water Depth 7.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.34
-1	2	0
-0.5	1.41	3.89
0	1	0.78
0.5	0.71	3.11
1	0.5	1.55
1.5	0.35	3.11
2	0.25	3.11
2.5	0.177	0
3	0.125	41.98
3.5	0.088	29.54
4	0.0625	3.11
8	0.0039	6.08
12	0.00024	3.4

Mean Phi 2.99
Std. Dev. 1.91
%Gravel 0.34
%Sand 87.06
%Mud 12.6
%CaCO3 24.49
%TOC 0.63

Sample**M21**

Latitude 27 °21.093'

Longitude 82 °37.889'

Water Depth 7.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	25.69
-1	2	2.44
-0.5	1.41	1.22
0	1	11.58
0.5	0.71	34.12
1	0.5	17.67
1.5	0.35	0
2	0.25	1.22
2.5	0.177	1.22
3	0.125	0
3.5	0.088	0
4	0.0625	3.66
8	0.0039	0.2
12	0.00024	0.69

Mean Phi -0.013
Std. Dev. 1.59
%Gravel 25.69
%Sand 69.47
%Mud 4.85
%CaCO3 89.79
%TOC 1.54

Sample**M22**

Latitude 27 °22.316'

Longitude 82 °39.059'

Water Depth 8.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	--
-2	4	--
-1.5	2.83	--
-1	2	--
-0.5	1.41	--
0	1	--
0.5	0.71	--
1	0.5	--
1.5	0.35	--
2	0.25	--
2.5	0.177	--
3	0.125	--
3.5	0.088	--
4	0.0625	--
8	0.0039	--
12	0.00024	--

Mean Phi Bivalve
Std. Dev. --
%Gravel --
%Sand --
%Mud --
%CaCO3 --
%TOC --

Sample**M23**

Latitude	27 °21.592'	
Longitude	82 °38.424'	
Water Depth	7.8m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	41.22
-1	2	0
-0.5	1.41	0
0	1	11.63
0.5	0.71	17.1
1	0.5	17.79
1.5	0.35	1.37
2	0.25	2.74
2.5	0.177	1.37
3	0.125	1.37
3.5	0.088	0
4	0.0625	1.37
8	0.0039	2.08
12	0.00024	1.98
Mean Phi	-0.068	
Std. Dev.	2.18	
%Gravel	41.22	
%Sand	53.36	
%Mud	5.43	
%CaCO3	81.69	
%TOC	0.93	

Sample**M24**

Latitude	27 °20.119'	
Longitude	82 °37.154'	
Water Depth	6.5m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	7.18
-1	2	0
-0.5	1.41	2.08
0	1	1.04
0.5	0.71	11.44
1	0.5	31.2
1.5	0.35	10.4
2	0.25	12.48
2.5	0.177	18.72
3	0.125	2.08
3.5	0.088	0
4	0.0625	2.08
8	0.0039	0.29
12	0.00024	1
Mean Phi	1.15	
Std. Dev.	1.53	
%Gravel	7.18	
%Sand	89.45	
%Mud	3.38	
%CaCO3	45.64	
%TOC	1.2	

Sample**M25**

Latitude	27 °18.029'	
Longitude	82 °35.380'	
Water Depth	6.9m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.91
-1	2	0
-0.5	1.41	0.88
0	1	0
0.5	0.71	1.77
1	0.5	1.77
1.5	0.35	1.77
2	0.25	3.53
2.5	0.177	3.53
3	0.125	51.23
3.5	0.088	30.03
4	0.0625	1.77
8	0.0039	1.01
12	0.00024	1.79
Mean Phi	2.86	
Std. Dev.	1.38	
%Gravel	0.91	
%Sand	94.51	
%Mud	4.57	
%CaCO3	12.34	
%TOC	0.57	

Sample**M26**

Latitude	27 °22.345'	
Longitude	82 °39.310'	
Water Depth	8.2m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0.81
-0.5	1.41	1.62
0	1	1.62
0.5	0.71	0.81
1	0.5	0.81
1.5	0.35	0
2	0.25	3.23
2.5	0.177	14.55
3	0.125	54.98
3.5	0.088	17.79
4	0.0625	1.62
8	0.0039	1.01
12	0.00024	1.17
Mean Phi	2.7	
Std. Dev.	1.24	
%Gravel	0	
%Sand	96.21	
%Mud	3.79	
%CaCO3	14.99	
%TOC	0.37	

Sample**M27**

Latitude 27 °21.703'

Longitude 82 °38.773'

Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	8.31
-1	2	0.84
-0.5	1.41	2.53
0	1	6.73
0.5	0.71	21.04
1	0.5	30.3
1.5	0.35	15.15
2	0.25	8.42
2.5	0.177	1.68
3	0.125	0.84
3.5	0.088	1.68
4	0.0625	0.84
8	0.0039	0.33
12	0.00024	1.3

Mean Phi 0.73
 Std. Dev. 1.59
 %Gravel 8.31
 %Sand 89.22
 %Mud 2.47
 %CaCO₃ 87.69
 %TOC 1.82

Sample**M29**

Latitude 27 °19.290'

Longitude 82 °36.698'

Water Depth 8.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.05
-1	2	0
-0.5	1.41	0
0	1	1.61
0.5	0.71	2.41
1	0.5	0.8
1.5	0.35	0.8
2	0.25	4.02
2.5	0.177	3.21
3	0.125	40.17
3.5	0.088	31.33
4	0.0625	0.8
8	0.0039	9.54
12	0.00024	4.26

Mean Phi 3.24
 Std. Dev. 1.96
 %Gravel 1.05
 %Sand 84.35
 %Mud 14.6
 %CaCO₃ 27.3
 %TOC 3.41

Sample**M28**

Latitude 27 °20.522'

Longitude 82 °37.733'

Water Depth 8.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	26.73
-1	2	1.21
-0.5	1.41	3.63
0	1	7.86
0.5	0.71	33.27
1	0.5	19.36
1.5	0.35	3.63
2	0.25	0
2.5	0.177	0
3	0.125	1.21
3.5	0.088	0
4	0.0625	2.42
8	0.0039	0.17
12	0.00024	0.51

Mean Phi 0.68
 Std. Dev. 1.46
 %Gravel 26.73
 %Sand 70.17
 %Mud 3.1
 %CaCO₃ 96.42
 %TOC 0.44

Sample**M30**

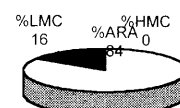
Latitude 27 °17.601'

Longitude 82 °35.246'

Water Depth 7.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.87
-1	2	1.32
-0.5	1.41	1.32
0	1	0.66
0.5	0.71	1.98
1	0.5	4.61
1.5	0.35	3.29
2	0.25	1.32
2.5	0.177	9.22
3	0.125	48.72
3.5	0.088	17.11
4	0.0625	2.63
8	0.0039	0.57
12	0.00024	1.39

Mean Phi 2.36
 Std. Dev. 1.71
 %Gravel 5.87
 %Sand 89.54
 %Mud 4.59
 %CaCO₃ 22.05
 %TOC 0.38

Carbonate Mineralogy

Sample**M31**

Latitude 27 °22.104'

Longitude 82 °39.337'

Water Depth 9.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	40.32
-1	2	1.07
-0.5	1.41	0
0	1	0
0.5	0.71	7.47
1	0.5	16.54
1.5	0.35	12.27
	0.25	3.2
2.5	0.177	9.6
	0.125	5.34
3.5	0.088	2.13
4	0.0625	0
8	0.0039	0.62
12	0.00024	1.45

Mean Phi 0.26

Std. Dev. 2.14

%Gravel 40.32

%Sand 57.62

%Mud 2.06

%CaCO₃ 83.72

%TOC 1.2

Sample**M33**

Latitude 27 °19.493'

Longitude 82 °37.089'

Water Depth 8.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	33.32
-1	2	0
-0.5	1.41	2.9
0	1	16.42
0.5	0.71	34.78
1	0.5	8.7
1.5	0.35	0
2	0.25	0.97
2.5	0.177	0
3	0.125	0.48
	0.088	0.48
4	0.0625	0
8	0.0039	0.58
12	0.00024	1.36

Mean Phi -0.27

Std. Dev. 1.72

%Gravel 33.32

%Sand 64.74

%Mud 1.94

%CaCO₃ 97.17

%TOC 0.37

Sample**M32**

Latitude 27 °21.450'

Longitude 82 °38.789'

Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	8.05
-1	2	1.19
-0.5	1.41	2.97
0	1	1.19
0.5	0.71	13.08
1	0.5	24.38
1.5	0.35	16.65
2	0.25	7.14
2.5	0.177	2.38
3	0.125	2.38
3.5	0.088	0.59
4	0.0625	17.25
8	0.0039	0.9
12	0.00024	1.84

Mean Phi 1.4

Std. Dev. 2.05

%Gravel 8.05

%Sand 71.96

%Mud 19.99

%CaCO₃ 81.15

%TOC 1.68

Sample**M34**

Latitude 27 °18.743'

Longitude 82 °36.469'

Water Depth 8.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	61.29
-1	2	0
-0.5	1.41	0.68
0	1	7.5
0.5	0.71	13.98
1	0.5	13.3
1.5	0.35	0.34
2	0.25	0.34
2.5	0.177	0
3	0.125	0.68
3.5	0.088	0.34
4	0.0625	0.34
8	0.0039	0.04
12	0.00024	1.16

Mean Phi -0.78

Std. Dev. 1.71

%Gravel 61.29

%Sand 37.17

%Mud 1.54

%CaCO₃ 92.83

%TOC 1.39

Sample**M35**

Latitude 27 °17.938'

Longitude 82 °35.767'

Water Depth 7.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	13.76
-1	2	1.63
-0.5	1.41	0
0	1	8.14
0.5	0.71	30.94
1	0.5	34.19
1.5	0.35	3.26
2	0.25	3.26
2.5	0.177	1.63
3	0.125	0
3.5	0.088	1.63
4	0.0625	0
8	0.0039	0.24
12	0.00024	1.33

Mean Phi 0.4

Std. Dev. 1.61

%Gravel 13.76

%Sand 84.68

%Mud 1.57

%CaCO3 93.33

%TOC 1.13

Sample**M36**

Latitude 27 °21.787'

Longitude 82 °39.296'

Water Depth 8.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	47.39
-1	2	0.5
-0.5	1.41	4.97
0	1	6.47
0.5	0.71	17.41
1	0.5	18.4
1.5	0.35	0.5
2	0.25	0.99
2.5	0.177	0
3	0.125	0.99
3.5	0.088	0.99
4	0.0625	0
8	0.0039	0
12	0.00024	1.38

Mean Phi -0.47

Std. Dev. 1.81

%Gravel 47.39

%Sand 51.23

%Mud 1.38

%CaCO3 94.07

%TOC 1.57

Sample**M37**

Latitude 27 °20.564'

Longitude 82 °38.249'

Water Depth 9.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	10.02
-1	2	0.79
-0.5	1.41	0.79
0	1	11.8
0.5	0.71	38.55
1	0.5	29.9
1.5	0.35	3.15
2	0.25	0
2.5	0.177	1.57
3	0.125	0
3.5	0.088	1.57
4	0.0625	0
8	0.0039	0.21
12	0.00024	1.66

Mean Phi 0.42

Std. Dev. 1.64

%Gravel 10.02

%Sand 88.1

%Mud 1.87

%CaCO3 96.59

%TOC 0.41

Sample**M38**

Latitude 27 °19.847'

Longitude 82 °37.641'

Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	44.47
-1	2	0
-0.5	1.41	0.75
0	1	13.91
0.5	0.71	29.7
1	0.5	6.01
1.5	0.35	0.75
2	0.25	0.75
2.5	0.177	0
3	0.125	0
3.5	0.088	0.75
4	0.0625	0.75
8	0.0039	0.78
12	0.00024	1.37

Mean Phi -0.43

Std. Dev. 1.82

%Gravel 44.47

%Sand 52.62

%Mud 2.91

%CaCO3 95.46

%TOC 0.69

Sample M39

Latitude 27 °18.312'
 Longitude 82 °36.323'
 Water Depth 8.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	0.8
0	1	1.61
0.5	0.71	0
1	0.5	0.8
1.5	0.35	0.8
2	0.25	1.61
2.5	0.177	1.61
3	0.125	44.98
3.5	0.088	38.55
4	0.0625	6.43
8	0.0039	1.12
12	0.00024	1.7

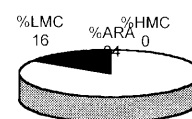
Mean Phi 3.04
 Std. Dev. 1.26
 %Gravel 0
 %Sand 90.76
 %Mud 8.12
 %CaCO₃ 12.82
 %TOC 0.31

Sample M40

Latitude 27 °16.916'
 Longitude 82 °35.020'
 Water Depth 7.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	86.51
-1	2	0.13
-0.5	1.41	2.14
0	1	3.75
0.5	0.71	4.02
1	0.5	1.21
1.5	0.35	0
2	0.25	0.4
2.5	0.177	0
3	0.125	0.27
3.5	0.088	0.27
4	0.0625	0
8	0.0039	0.11
12	0.00024	1.19

Mean Phi -1.36
 Std. Dev. 1.53
 %Gravel 86.51
 %Sand 12.19
 %Mud 1.3
 %CaCO₃ 94.63
 %TOC 0.31

Carbonate Mineralogy**Sample M41**

Latitude 27 °20.727'
 Longitude 82 °38.618'
 Water Depth 8.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	58.99
-1	2	0.9
-0.5	1.41	3.91
0	1	4.81
0.5	0.71	16.85
1	0.5	7.22
1.5	0.35	1.2
2	0.25	0.6
2.5	0.177	1.81
3	0.125	0.6
3.5	0.088	0.6
4	0.0625	0.9
8	0.0039	0.38
12	0.00024	1.22

Mean Phi -0.7
 Std. Dev. 1.83
 %Gravel 58.99
 %Sand 38.57
 %Mud 2.5
 %CaCO₃ 90.56
 %TOC 1.17

Sample M42A

Latitude 27 °19.008'
 Longitude 82 °37.140'
 Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	63.33
-1	2	1.04
-0.5	1.41	4.44
0	1	10.44
0.5	0.71	15.14
1	0.5	2.61
1.5	0.35	0.26
2	0.25	0.26
2.5	0.177	0
3	0.125	0
3.5	0.088	0.52
4	0.0625	0
8	0.0039	0.4
12	0.00024	1.54

Mean Phi -0.91
 Std. Dev. 1.79
 %Gravel 63.34
 %Sand 34.73
 %Mud 1.94
 %CaCO₃ 93.18
 %TOC 0.48

Sample**M42B**

Latitude 27 °17.007'

Longitude 82 °35.427'

Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.28
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	1.49
1.5	0.35	1.49
2	0.25	1.49
2.5	0.177	8.95
3	0.125	58.14
3.5	0.088	22.36
4	0.0625	2.24
8	0.0039	1.72
12	0.00024	1.83

Mean Phi 2.95

Std. Dev. 1.25

%Gravel 0.28

%Sand 93.93

%Mud 5.79

%CaCO3 15.81

%TOC 0.87

Sample**M44**

Latitude 27 °21.116'

Longitude 82 °39.205'

Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.67
-1	2	0
-0.5	1.41	1.7
0	1	4.26
0.5	0.71	17.03
1	0.5	33.21
1.5	0.35	22.14
2	0.25	5.11
2.5	0.177	3.41
3	0.125	3.41
3.5	0.088	1.7
4	0.0625	1.7
8	0.0039	0.46
12	0.00024	1.21

Mean Phi 1

Std. Dev. 1.51

%Gravel 4.67

%Sand 91.95

%Mud 3.37

%CaCO3 93.45

%TOC 1.68

Sample**M43**

Latitude 27 °16.008'

Longitude 82 °34.592'

Water Depth 6.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.6
-1	2	0.77
-0.5	1.41	0
0	1	1.53
0.5	0.71	0.77
1	0.5	0.77
1.5	0.35	1.53
2	0.25	0
2.5	0.177	3.06
3	0.125	62.75
3.5	0.088	21.43
4	0.0625	3.06
8	0.0039	0.91
12	0.00024	1.84

Mean Phi 2.84

Std. Dev. 1.44

%Gravel 1.6

%Sand 92.59

%Mud 5.81

%CaCO3 13.71

%TOC 0.21

Sample**M45**

Latitude 27 °20.122'

Longitude 82 °38.346'

Water Depth 9.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	7.71
-1	2	0.66
-0.5	1.41	1.31
0	1	3.28
0.5	0.71	27.58
1	0.5	47.28
1.5	0.35	7.22
2	0.25	0
2.5	0.177	1.31
3	0.125	0
3.5	0.088	0
4	0.0625	1.31
8	0.0039	0.22
12	0.00024	2.1

Mean Phi 0.67

Std. Dev. 1.75

%Gravel 7.71

%Sand 88.65

%Mud 3.63

%CaCO3 93.53

%TOC 0.75

Sample**M46**

Latitude	27°18.977'	
Longitude	82°37.342'	
Water Depth	8.3m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.41
-1	2	1.36
-0.5	1.41	2.05
0	1	3.41
0.5	0.71	0
1	0.5	3.41
1.5	0.35	4.09
2	0.25	5.46
2.5	0.177	8.18
3	0.125	45.01
3.5	0.088	20.46
4	0.0625	2.73
8	0.0039	0.03
12	0.00024	2.41
Mean Phi	2.56	
Std. Dev.	1.75	
%Gravel	1.41	
%Sand	93.42	
%Mud	5.17	
%CaCO3	33.26	
%TOC	0.46	

Sample**M47**

Latitude	27 °17.707'	
Longitude	82 °36.280'	
Water Depth	8.2m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.11
-1	2	0
-0.5	1.41	0
0	1	1.6
0.5	0.71	1.6
1	0.5	4.81
1.5	0.35	4.01
2	0.25	5.62
2.5	0.177	20.86
3	0.125	44.93
3.5	0.088	9.63
4	0.0625	3.21
8	0.0039	0.48
12	0.00024	1.12
Mean Phi	2.43	
Std. Dev.	1.34	
%Gravel	2.11	
%Sand	93.07	
%Mud	4.81	
%CaCO3	30.45	
%TOC	0.75	

Sample**M48**

Latitude	27°16.572'	
Longitude	82°35.274'	
Water Depth	8.9m	
Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	67.83
-1	2	17.81
-0.5	1.41	2.59
0	1	2.27
0.5	0.71	4.86
1	0.5	1.62
1.5	0.35	0.65
2	0.25	0
2.5	0.177	0.32
3	0.125	0
3.5	0.088	0.97
4	0.0625	0.49
8	0.0039	0
12	0.00024	0.59
Mean Phi	-1.28	
Std. Dev.	1.28	
%Gravel	67.83	
%Sand	31.09	
%Mud	1.08	
%CaCO3	90	
%TOC	0.25	

Sample**M49**

Latitude	27 °15.804'	
Longitude	82 °34.609'	
Water Depth	8.0m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	32.38
-1	2	0.5
-0.5	1.41	0
0	1	14.88
0.5	0.71	28.76
1	0.5	10.91
1.5	0.35	0.99
2	0.25	0
2.5	0.177	0
3	0.125	5.95
3.5	0.088	0.99
4	0.0625	2.98
8	0.0039	0.78
12	0.00024	0.8
Mean Phi	0.0012	
Std. Dev.	1.83	
%Gravel	32.38	
%Sand	62.97	
%Mud	4.65	
%CaCO3	90.1	
%TOC	0.28	

Sample**M50**

Latitude	27 °21.388'	
Longitude	82 °39.653'	
Water Depth	9.6m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	32.44
-1	2	1.21
-0.5	1.41	0
0	1	10.29
0.5	0.71	22.4
1	0.5	26.04
1.5	0.35	3.03
2	0.25	1.21
2.5	0.177	0
3	0.125	0
3.5	0.088	0
4	0.0625	1.21
8	0.0039	0.31
12	0.00024	1.86
Mean Phi	-0.033	
Std. Dev.	1.94	
%Gravel	32.44	
%Sand	64.18	
%Mud	3.38	
%CaCO3	91.77	
%TOC	0.33	

Sample**M52**

Latitude	27 °19.454'	
Longitude	82 °38.021'	
Water Depth	9.1m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	16.78
-1	2	2.03
-0.5	1.41	0.68
0	1	1.35
0.5	0.71	34.51
1	0.5	34.51
1.5	0.35	4.06
2	0.25	1.35
2.5	0.177	0.68
3	0.125	2.03
3.5	0.088	0
4	0.0625	0
8	0.0039	0.51
12	0.00024	1.52
Mean Phi	0.36	
Std. Dev.	1.7	
%Gravel	16.78	
%Sand	81.19	
%Mud	2.03	
%CaCO3	94.53	
%TOC	0.48	

Sample**M51**

Latitude	27 °20.500'	
Longitude	82 °38.914'	
Water Depth	9.1m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	24.87
-1	2	1.12
-0.5	1.41	1.12
0	1	6.71
0.5	0.71	19.57
1	0.5	16.77
1.5	0.35	9.5
2	0.25	3.35
2.5	0.177	4.47
3	0.125	4.47
3.5	0.088	2.24
4	0.0625	1.12
8	0.0039	2.51
12	0.00024	2.18
Mean Phi	0.58	
Std. Dev.	2.24	
%Gravel	24.87	
%Sand	69.32	
%Mud	5.81	
%CaCO3	87.11	
%TOC	0.55	

Sample**M53**

Latitude	27 °18.141'	
Longitude	82 °36.846'	
Water Depth	9.5m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	23.38
-1	2	1.09
-0.5	1.41	1.09
0	1	2.18
0.5	0.71	4.37
1	0.5	12
1.5	0.35	6
2	0.25	6
2.5	0.177	10.91
3	0.125	9.82
3.5	0.088	5.46
4	0.0625	1.09
8	0.0039	11.78
12	0.00024	4.81
Mean Phi	1.7	
Std. Dev.	3	
%Gravel	23.38	
%Sand	58.93	
%Mud	17.68	
%CaCO3	77.47	
%TOC	1.11	

Sample**M54**

Latitude 27 °16.872'

Longitude 82 °35.791'

Water Depth 9.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	35.78
-1	2	0.54
-0.5	1.41	4.3
0	1	20.42
0.5	0.71	20.42
1	0.5	8.6
1.5	0.35	2.15
2	0.25	0
2.5	0.177	0
3	0.125	0
3.5	0.088	0.54
4	0.0625	2.69
8	0.0039	2.61
12	0.00024	1.98

Mean Phi -0.11

Std. Dev. 2.17

%Gravel 35.78

%Sand 56.95

%Mud 7.27

%CaCO3 94.99

%TOC 0.25

Sample**M56**

Latitude 27 °17.463'

Longitude 82 °36.378'

Water Depth 8.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.23
-1	2	0
-0.5	1.41	0.91
0	1	0
0.5	0.71	0
1	0.5	0.91
1.5	0.35	4.53
2	0.25	9.06
2.5	0.177	41.67
3	0.125	35.33
3.5	0.088	2.72
4	0.0625	3.62
8	0.0039	0.41
12	0.00024	0.62

Mean Phi 2.43

Std. Dev. 0.94

%Gravel 0.23

%Sand 95.11

%Mud 4.66

%CaCO3 30.24

%TOC 0.16

Sample**M55**

Latitude 27 °16.047'

Longitude 82 °35.075'

Water Depth 9.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	33.61
-1	2	0.55
-0.5	1.41	1.64
0	1	9.87
0.5	0.71	29.6
1	0.5	19.73
1.5	0.35	2.19
2	0.25	0
2.5	0.177	0
3	0.125	1.1
3.5	0.088	1.1
4	0.0625	0
8	0.0039	0
12	0.00024	0.62

Mean Phi -0.25

Std. Dev. 1.45

%Gravel 33.61

%Sand 65.77

%Mud 0.62

%CaCO3 96.21

%TOC 0.16

Sample**M57**

Latitude 27 °21.551'

Longitude 82 °40.058'

Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	18.03
-1	2	1.32
-0.5	1.41	0
0	1	10.57
0.5	0.71	17.17
1	0.5	29.06
1.5	0.35	10.57
2	0.25	5.28
2.5	0.177	1.32
3	0.125	1.32
3.5	0.088	1.98
4	0.0625	0.66
8	0.0039	1.19
12	0.00024	1.52

Mean Phi 0.51

Std. Dev. 1.85

%Gravel 18.03

%Sand 78.6

%Mud 3.37

%CaCO3 84.01

%TOC 0.4

Sample**M58**

Latitude 27° 20.887'
 Longitude 82° 39.475'
 Water Depth 8.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.27
-1	2	3.92
-0.5	1.41	0
0	1	0.98
0.5	0.71	22.53
1	0.5	41.14
1.5	0.35	17.63
2	0.25	1.96
2.5	0.177	2.94
3	0.125	0.98
3.5	0.088	0
4	0.0625	1.95
8	0.0039	0
12	0.00024	1.7

Mean Phi 0.85
 Std. Dev. 1.62
 %Gravel 4.27
 %Sand 92.07
 %Mud 3.66
 %CaCO₃ 95.08
 %TOC 0.17

Sample**M59**

Latitude 27° 20.036'
 Longitude 82° 38.740'
 Water Depth 9.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	20.12
-1	2	1.82
-0.5	1.41	1.37
0	1	6.84
0.5	0.71	7.3
1	0.5	20.07
1.5	0.35	9.12
2	0.25	1.37
2.5	0.177	2.73
3	0.125	12.32
3.5	0.088	10.04
4	0.0625	2.74
8	0.0039	2.3
12	0.00024	1.84

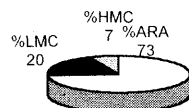
Mean Phi 1.05
 Std. Dev. 2.28
 %Gravel 20.13
 %Sand 72.99
 %Mud 6.88
 %CaCO₃ 78.79
 %TOC 0.49

Sample**M60**

Latitude 27° 19.195'
 Longitude 82° 38.025'
 Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	30.17
-1	2	1.04
-0.5	1.41	0.52
0	1	0.52
0.5	0.71	11.39
1	0.5	16.04
1.5	0.35	9.32
2	0.25	6.21
2.5	0.177	12.42
3	0.125	6.27
3.5	0.088	3.11
4	0.0625	1.04
8	0.0039	0.36
12	0.00024	1.67

Mean Phi 0.62
 Std. Dev. 2.16
 %Gravel 30.17
 %Sand 66.77
 %Mud 3.06
 %CaCO₃ 73.53
 %TOC 0.8

Carbonate Mineralogy**Sample****M61**

Latitude 27° 18.337'
 Longitude 82° 37.275'
 Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.11
-1	2	3.27
-0.5	1.41	0
0	1	0
0.5	0.71	1.64
1	0.5	0
1.5	0.35	3.27
2	0.25	0.82
2.5	0.177	5.72
3	0.125	42.52
3.5	0.088	29.44
4	0.0625	5.72
8	0.0039	4.14
12	0.00024	3.35

Mean Phi 3.06
 Std. Dev. 1.81
 %Gravel 0.11
 %Sand 86.68
 %Mud 13.21
 %CaCO₃ 25.35
 %TOC 0.5

Sample M62

Latitude 27 °16.014'

Longitude 82 °35.269'

Water Depth 9.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	15.56
-1	2	0
-0.5	1.41	0
0	1	7.56
0.5	0.71	36.4
1	0.5	27.47
1.5	0.35	4.12
2	0.25	1.37
2.5	0.177	1.37
3	0.125	0
3.5	0.088	1.37
4	0.0625	0
8	0.0039	0
12	0.00024	4.77
Mean Phi	0.68	
Std. Dev.	2.51	
%Gravel	15.56	
%Sand	79.68	
%Mud	4.77	
%CaCO3	94.04	
%TOC	0.34	

Sample M64

Latitude 27 °18.476'

Longitude 82 °37.650'

Water Depth 8.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.52
-1	2	0
-0.5	1.41	0.9
0	1	0
0.5	0.71	0.9
1	0.5	0
1.5	0.35	2.7
2	0.25	0
2.5	0.177	8.99
3	0.125	62.93
3.5	0.088	17.98
4	0.0625	0
8	0.0039	3.38
12	0.00024	1.71
Mean Phi	2.89	
Std. Dev.	1.31	
%Gravel	0.52	
%Sand	94.39	
%Mud	5.09	
%CaCO3	17.37	
%TOC	0.32	

Sample M63

Latitude 27 °19.647'

Longitude 82 °38.678'

Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	10.86
-1	2	0
-0.5	1.41	0.74
0	1	2.23
0.5	0.71	17.84
1	0.5	43.85
1.5	0.35	12.63
2	0.25	2.97
2.5	0.177	1.49
3	0.125	1.49
3.5	0.088	1.49
4	0.0625	1.49
8	0.0039	1.53
12	0.00024	1.4
Mean Phi	0.79	
Std. Dev.	1.7	
%Gravel	10.86	
%Sand	84.72	
%Mud	4.42	
%CaCO3	91.54	
%TOC	0.63	

Sample M65

Latitude 27 °17.503'

Longitude 82 °36.802'

Water Depth 9.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	36.34
-1	2	1.09
-0.5	1.41	1.09
0	1	7.62
0.5	0.71	24.49
1	0.5	21.23
1.5	0.35	4.35
2	0.25	1.09
2.5	0.177	0
3	0.125	0
3.5	0.088	1.09
4	0.0625	0
8	0.0039	0
12	0.00024	1.61
Mean Phi	-0.17	
Std. Dev.	1.85	
%Gravel	36.34	
%Sand	62.04	
%Mud	1.61	
%CaCO3	95.22	
%TOC	0.28	

Sample**M66**

Latitude	27 °16.576'
Longitude	82 °36'.028'
Water Depth	9.4m
Phi	Millimeters
-4	16
-2	4
-1.5	2.83
-1	2
-0.5	1.41
0	1
0.5	0.71
1	0.5
1.5	0.35
2	0.25
2.5	0.177
3	0.125
3.5	0.088
4	0.0625
8	0.0039
12	0.00024
Mean Phi	No Sample
Std. Dev.	--
%Gravel	--
%Sand	--
%Mud	--
%CaCO3	--
%TOC	--

Sample**M68**

Latitude	27 °19.769'
Longitude	82 °38.971'
Water Depth	10.2m
Phi	Millimeters
-4	16
-2	4
-1.5	2.83
-1	2
-0.5	1.41
0	1
0.5	0.71
1	0.5
1.5	0.35
2	0.25
2.5	0.177
3	0.125
3.5	0.088
4	0.0625
8	0.0039
12	0.00024
Mean Phi	1.22
Std. Dev.	1.76
%Gravel	10.45
%Sand	86.39
%Mud	3.16
%CaCO3	81.05
%TOC	0.35

Sample**M67**

Latitude	27 °20.898'
Longitude	82 °39.942'
Water Depth	10.2m
Phi	Millimeters
-4	16
-2	4
-1.5	2.83
-1	2
-0.5	1.41
0	1
0.5	0.71
1	0.5
1.5	0.35
2	0.25
2.5	0.177
3	0.125
3.5	0.088
4	0.0625
8	0.0039
12	0.00024
Mean Phi	1.07
Std. Dev.	1.58
%Gravel	1.46
%Sand	96.86
%Mud	1.68
%CaCO3	87.86
%TOC	0.44

Sample**M69**

Latitude	27 °18.044'
Longitude	82 °37.502'
Water Depth	9.4m
Phi	Millimeters
-4	16
-2	4
-1.5	2.83
-1	2
-0.5	1.41
0	1
0.5	0.71
1	0.5
1.5	0.35
2	0.25
2.5	0.177
3	0.125
3.5	0.088
4	0.0625
8	0.0039
12	0.00024
Mean Phi	2.51
Std. Dev.	1.58
%Gravel	3.49
%Sand	90.41
%Mud	6.1
%CaCO3	27.54
%TOC	0.21

Sample **M70**

Latitude 27 °16.710'

Longitude 82 °36.345'

Water Depth 9.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.62
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	2.03
1	0.5	2.03
1.5	0.35	1.02
2	0.25	5.08
2.5	0.177	8.12
3	0.125	60.92
3.5	0.088	16.25
4	0.0625	2.03
8	0.0039	0.21
12	0.00024	1.71

Mean Phi 2.77

Std. Dev. 1.29

%Gravel 0.62

%Sand 95.44

%Mud 3.94

%CaCO3 30.85

%TOC 0.18

Sample **M71**

Latitude 27 °15.504'

Longitude 82 °35.313'

Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	11.095
-1	2	2.6
-0.5	1.41	0
0	1	3.91
0.5	0.71	29.29
1	0.5	37.1
1.5	0.35	10.41
2	0.25	0
2.5	0.177	1.3
3	0.125	1.3
3.5	0.088	0
4	0.0625	1.3
8	0.0039	0.44
12	0.00024	1.24

Mean Phi 0.52

Std. Dev. 1.57

%Gravel 11.1

%Sand 87.07

%Mud 1.83

%CaCO3 0.52

%TOC 1.57

Sample **M72**

Latitude 27 °21.319'

Longitude 82 °40.511'

Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	7.26
-1	2	0.76
-0.5	1.41	0
0	1	5.34
0.5	0.71	12.2
1	0.5	22.12
1.5	0.35	24.41
2	0.25	18.31
2.5	0.177	4.58
3	0.125	0.76
3.5	0.088	1.53
4	0.0625	0.76
8	0.0039	0.54
12	0.00024	1.44

Mean Phi 1.06

Std. Dev. 1.62

%Gravel 7.26

%Sand 0.9

%Mud 2.75

%CaCO3 84.26

%TOC 0.39

Sample **M73**

Latitude 27 °20.381'

Longitude 82 °39.735'

Water Depth 9.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	3.99
-1	2	2.34
-0.5	1.41	3.11
0	1	6.23
0.5	0.71	31.93
1	0.5	33.48
1.5	0.35	14.02
2	0.25	0
2.5	0.177	0
3	0.125	1.56
3.5	0.088	0.78
4	0.0625	0.78
8	0.0039	0.09
12	0.00024	1.69

Mean Phi 0.66

Std. Dev. 1.6

%Gravel 3.99

%Sand 93.44

%Mud 2.57

%CaCO3 90.7

%TOC 0.38

Sample**M74**

Latitude 27 °19.006'

Longitude 82 °38.555'

Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	30.17
-1	2	2.21
-0.5	1.41	0
0	1	9.57
0.5	0.71	19.89
1	0.5	29.46
1.5	0.35	2.95
2	0.25	2.95
2.5	0.177	0
3	0.125	0
3.5	0.088	0
4	0.0625	1.47
8	0.0039	0.02
12	0.00024	1.32

Mean Phi -0.019

Std. Dev. 1.76

%Gravel 30.17

%Sand 67.02

%Mud 2.81

%CaCO3 90.2

%TOC 0.62

Sample**M75**

Latitude 27 °17.370'

Longitude 82 °37.187'

Water Depth 9.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	34.65
-1	2	0.46
-0.5	1.41	0.92
0	1	4.59
0.5	0.71	9.18
1	0.5	13.77
1.5	0.35	6.42
2	0.25	1.84
2.5	0.177	5.51
3	0.125	5.05
3.5	0.088	3.21
4	0.0625	5.51
8	0.0039	5.58
12	0.00024	3.33

Mean Phi 0.83

Std. Dev. 2.8

%Gravel 34.65

%Sand 50.93

%Mud 14.42

%CaCO3 84.1

%TOC 0.89

Sample**M76**

Latitude 27 °15.739'

Longitude 82 °35.764'

Water Depth 9.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	8.56
-1	2	0
-0.5	1.41	0
0	1	14.04
0.5	0.71	22.3
1	0.5	30.55
1.5	0.35	10.73
2	0.25	4.95
2.5	0.177	0
3	0.125	4.95
3.5	0.088	0
4	0.0625	1.65
8	0.0039	0.43
12	0.00024	1.83

Mean Phi 0.74

Std. Dev. 1.78

%Gravel 8.56

%Sand 87.53

%Mud 3.91

%CaCO3 96.12

%TOC 0.32

Sample**M77**

Latitude 27 °20.695'

Longitude 82 °40.218'

Water Depth 9.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	14.45
-1	2	1.26
-0.5	1.41	1.26
0	1	5.65
0.5	0.71	33.3
1	0.5	35.18
1.5	0.35	1.26
2	0.25	0
2.5	0.177	1.26
3	0.125	1.26
3.5	0.088	1.26
4	0.0625	1.26
8	0.0039	0.18
12	0.00024	2.44

Mean Phi 0.5

Std. Dev. 1.98

%Gravel 14.45

%Sand 81.67

%Mud 3.88

%CaCO3 92.58

%TOC 0.35

Sample**M78**

Latitude 27 °19.278'
 Longitude 82 °39.015'
 Water Depth 9.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	45.94
-1	2	0.53
-0.5	1.41	3.71
0	1	13.79
0.5	0.71	19.09
1	0.5	11.67
1.5	0.35	0
2	0.25	0
2.5	0.177	1.06
3	0.125	0
3.5	0.088	2.12
4	0.0625	0
8	0.0039	0.56
12	0.00024	1.53
Mean Phi	-0.45	
Std. Dev.	1.89	
%Gravel	45.94	
%Sand	51.97	
%Mud	2.09	
%CaCO3	84.64	
%TOC	2.59	

Sample**M79**

Latitude 27 °17.690'
 Longitude 82 °37.704'
 Water Depth 9.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	24.22
-1	2	1.37
-0.5	1.41	0.68
0	1	0.68
0.5	0.71	0
1	0.5	4.1
1.5	0.35	4.1
2	0.25	8.19
2.5	0.177	10.24
3	0.125	32.08
3.5	0.088	6.83
4	0.0625	1.37
8	0.0039	3.34
12	0.00024	2.8
Mean Phi	1.64	
Std. Dev.	2.55	
%Gravel	24.22	
%Sand	68.27	
%Mud	7.51	
%CaCO3	58.26	
%TOC	0.9	

Sample**M80**

Latitude 27 °16.214'
 Longitude 82 °36.372'
 Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.42
-1	2	0
-0.5	1.41	1.52
0	1	1.52
0.5	0.71	10.63
1	0.5	10.63
1.5	0.35	12.15
2	0.25	13.66
2.5	0.177	24.29
3	0.125	13.66
3.5	0.088	4.55
4	0.0625	0
8	0.0039	0.44
12	0.00024	2.53
Mean Phi	1.78	
Std. Dev.	1.89	
%Gravel	4.42	
%Sand	92.61	
%Mud	2.97	
%CaCO3	73.77	
%TOC	0.43	

Sample**M81**

Latitude 27 °16.853'
 Longitude 82 °37.049'
 Water Depth 9.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	22.7
-1	2	0.58
-0.5	1.41	0.58
0	1	1.17
0.5	0.71	8.19
1	0.5	17.55
1.5	0.35	7.6
2	0.25	7.02
2.5	0.177	18.13
3	0.125	8.19
3.5	0.088	5.85
4	0.0625	0
8	0.0039	0.7
12	0.00024	1.73
Mean Phi	1.01	
Std. Dev.	2.13	
%Gravel	22.7	
%Sand	74.87	
%Mud	2.42	
%CaCO3	68.04	
%TOC	0.26	

Sample**M82**

Latitude 27 °21.096'
 Longitude 82 °40.800'
 Water Depth 10.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	22.88
-1	2	0
-0.5	1.41	0.61
0	1	6.67
0.5	0.71	21.81
1	0.5	36.36
1.5	0.35	0
2	0.25	2.42
2.5	0.177	0
3	0.125	2.42
3.5	0.088	1.21
4	0.0625	1.21
8	0.0039	1.41
12	0.00024	3
Mean Phi	0.5	
Std. Dev.	2.28	
%Gravel	22.88	
%Sand	71.5	
%Mud	5.62	
%CaCO3	92.8	
%TOC	0.18	

Sample**M84**

Latitude 27 °18.076'
 Longitude 82 °38'.218
 Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	13.96
-1	2	0.9
-0.5	1.41	0
0	1	3.59
0.5	0.71	21.55
1	0.5	44.89
1.5	0.35	10.77
2	0.25	1.8
2.5	0.177	0
3	0.125	0
3.5	0.088	1.8
4	0.0625	0
8	0.0039	0.04
12	0.00024	0.7
Mean Phi	0.43	
Std. Dev.	1.34	
%Gravel	13.96	
%Sand	85.29	
%Mud	0.74	
%CaCO3	93.11	
%TOC	0.76	

Sample**M83**

Latitude 27 °19.733'
 Longitude 82 °39.675'
 Water Depth 9.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	0
1	0.5	1.09
1.5	0.35	3.27
2	0.25	10.93
2.5	0.177	37.17
3	0.125	39.36
3.5	0.088	2.19
4	0.0625	1.09
8	0.0039	0.2
12	0.00024	4.69
Mean Phi	2.8	
Std. Dev.	1.88	
%Gravel	0	
%Sand	94.02	
%Mud	5.98	
%CaCO3	35.52	
%TOC	0.24	

Sample**M85**

Latitude 27 °16.357'
 Longitude 82 °36.730'
 Water Depth 9.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.52
-1	2	2.15
-0.5	1.41	0
0	1	0
0.5	0.71	11.85
1	0.5	60.33
1.5	0.35	11.85
2	0.25	4.31
2.5	0.177	2.15
3	0.125	0
3.5	0.088	0
4	0.0625	0
8	0.0039	4.66
12	0.00024	2.16
Mean Phi	1.19	
Std. Dev.	1.79	
%Gravel	0.52	
%Sand	92.65	
%Mud	6.82	
%CaCO3	91.96	
%TOC	0.52	

Sample**M86**

Latitude 27 °15.176'
 Longitude 82 °35.818'
 Water Depth 9.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.28
-1	2	0.77
-0.5	1.41	0
0	1	0
0.5	0.71	1.55
1	0.5	6.19
1.5	0.35	7.74
2	0.25	13.93
2.5	0.177	41.01
3	0.125	19.34
3.5	0.088	3.87
4	0.0625	0.77
8	0.0039	1.91
12	0.00024	2.64
Mean Phi	2.37	
Std. Dev.	1.65	
%Gravel	0.28	
%Sand	14.4	
%Mud	5.32	
%CaCO3	28.1	
%TOC	0.34	

Sample**M87**

Latitude 27 °20.419'
 Longitude 82 °40.448'
 Water Depth 10.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0.95
-0.5	1.41	0.95
0	1	0.95
0.5	0.71	0
1	0.5	1.89
1.5	0.35	5.67
2	0.25	11.34
2.5	0.177	41.6
3	0.125	30.25
3.5	0.088	1.89
4	0.0625	0
8	0.0039	0.43
12	0.00024	4.09
Mean Phi	2.56	
Std. Dev.	1.88	
%Gravel	0	
%Sand	95.48	
%Mud	4.52	
%CaCO3	28.71	
%TOC	0.39	

Sample**M88**

Latitude 27 °19.217'
 Longitude 82 °39.417'
 Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.42
-1	2	0
-0.5	1.41	0
0	1	0.76
0.5	0.71	0.76
1	0.5	0
1.5	0.35	3.03
2	0.25	0
2.5	0.177	7.59
3	0.125	47.03
3.5	0.088	27.31
4	0.0625	1.52
8	0.0039	6.69
12	0.00024	4.9
Mean Phi	3.31	
Std. Dev.	1.93	
%Gravel	0.42	
%Sand	86.48	
%Mud	13.11	
%CaCO3	24.94	
%TOC	0.71	

Sample**M89**

Latitude 27 °18.482'
 Longitude 82 °38.787'
 Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	14.42
-1	2	1.65
-0.5	1.41	0
0	1	1.65
0.5	0.71	23.14
1	0.5	40.49
1.5	0.35	13.22
2	0.25	2.48
2.5	0.177	0
3	0.125	1.65
3.5	0.088	0
4	0.0625	0
8	0.0039	0.39
12	0.00024	0.89
Mean Phi	0.46	
Std. Dev.	1.45	
%Gravel	14.42	
%Sand	84.29	
%Mud	1.29	
%CaCO3	94.77	
%TOC	0.65	

Sample**M90**

Latitude 27 °16.973'
 Longitude 82 °37.489'
 Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	42.07
-1	2	0.43
-0.5	1.41	0
0	1	8.16
0.5	0.71	13.75
1	0.5	12.03
1.5	0.35	0
2	0.25	3.44
2.5	0.177	0.86
3	0.125	4.3
3.5	0.088	2.58
4	0.0625	0.43
8	0.0039	8.89
12	0.00024	3.07
Mean Phi	0.44	
Std. Dev.	2.81	
%Gravel	42.07	
%Sand	45.54	
%Mud	12.39	
%CaCO3	88.23	
%TOC	0.79	

Sample**M91**

Latitude 27 °20.570'
 Longitude 82 °40.826'
 Water Depth 10.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	23.61
-1	2	10.3
-0.5	1.41	0
0	1	4.51
0.5	0.71	15.45
1	0.5	27.05
1.5	0.35	11.59
2	0.25	1.29
2.5	0.177	1.29
3	0.125	0
3.5	0.088	0
4	0.0625	2.58
8	0.0039	0.26
12	0.00024	2.07
Mean Phi	0.22	
Std. Dev.	2.05	
%Gravel	23.02	
%Sand	71.48	
%Mud	4.91	
%CaCO3	91.77	
%TOC	0.3	

Sample**M92**

Latitude 27 °19.717'
 Longitude 82 °40.100'
 Water Depth 10.7m

<u>Phi</u>	<u>Millimeters</u>	
-4	16	0
-0.02	4	0
-1.5	2.83	11.44
-1	2	12.96
-0.5	1.41	3.24
0	1	0.81
0.5	0.71	37.25
1	0.5	18.62
1.5	0.35	7.29
2	0.25	0.81
2.5	0.177	1.62
3	0.125	0
3.5	0.088	0
4	0.0625	3.24
8	0.0039	0.76
12	0.00024	1.97
Mean Phi	0.36	
Std. Dev.	1.95	
%Gravel	11.44	
%Sand	82.59	
%Mud	5.97	
%CaCO3	90.02	
%TOC	0.47	

Sample**M93**

Latitude 27 °17.255'
 Longitude 82 °37.959'
 Water Depth 10.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.68
-1	2	0
-0.5	1.41	3.37
0	1	2.53
0.5	0.71	5.91
1	0.5	0.84
1.5	0.35	0.84
2	0.25	5.91
2.5	0.177	7.59
3	0.125	45.55
3.5	0.088	21.09
4	0.0625	0.84
8	0.0039	2.24
12	0.00024	2.6
Mean Phi	2.63	
Std. Dev.	1.79	
%Gravel	0.68	
%Sand	93.64	
%Mud	5.68	
%CaCO3	28.6	
%TOC	0.79	

<u>Sample</u>	<u>M94</u>	
Latitude	27 °15.560'	
Longitude	82 °36.465'	
Water Depth	9.9m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	14.74
-1	2	0
-0.5	1.41	2.81
0	1	4.22
0.5	0.71	18.27
1	0.5	35.13
1.5	0.35	9.84
2	0.25	4.92
2.5	0.177	0.7
3	0.125	0
3.5	0.088	1.41
4	0.0625	4.22
8	0.0039	0.5
12	0.00024	3.27
Mean Phi	0.83	
Std. Dev.	2.27	
%Gravel	14.74	
%Sand	77.28	
%Mud	7.98	
%CaCO3	93	
%TOC	0.28	

<u>Sample</u>	<u>M95</u>	
Latitude	27 °19.277'	
Longitude	82 °39.930'	
Water Depth	10.5m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.95
-1	2	2.35
-0.5	1.41	1.57
0	1	4.71
0.5	0.71	27.45
1	0.5	52.55
1.5	0.35	4.71
2	0.25	0
2.5	0.177	0
3	0.125	0
3.5	0.088	1.57
4	0.0625	0
8	0.0039	0.64
12	0.00024	3.51
Mean Phi	0.92	
Std. Dev.	2.05	
%Gravel	0.95	
%Sand	94.91	
%Mud	4.14	
%CaCO3	91.91	
%TOC	0.33	

<u>Sample</u>	<u>M96</u>	
Latitude	27 °17.411'	
Longitude	82 °38.289'	
Water Depth	9.1m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.44
-1	2	0
-0.5	1.41	0
0	1	0.73
0.5	0.71	2.2
1	0.5	11.71
1.5	0.35	13.18
2	0.25	23.42
2.5	0.177	33.67
3	0.125	10.25
3.5	0.088	1.46
4	0.0625	1.46
8	0.0039	0.46
12	0.00024	1.01
Mean Phi	1.93	
Std. Dev.	1.2	
%Gravel	0.44	
%Sand	96.62	
%Mud	2.94	
%CaCO3	80.21	
%TOC	0.38	

<u>Sample</u>	<u>M97</u>	
Latitude	27 °16.086'	
Longitude	82 °37.184'	
Water Depth	10.4m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	43.49
-1	2	0
-0.5	1.41	0.4
0	1	8.35
0.5	0.71	20.28
1	0.5	17.9
1.5	0.35	0.8
2	0.25	0.8
2.5	0.177	0
3	0.125	0
3.5	0.088	1.99
4	0.0625	2.78
8	0.0039	0.53
12	0.00024	2.69
Mean Phi	-0.09	
Std. Dev.	2.34	
%Gravel	43.49	
%Sand	50.51	
%Mud	6	
%CaCO3	94.77	
%TOC	0.38	

Sample**M98**

Latitude 27 °20.002'
 Longitude 82 °40.792'
 Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.07
-1	2	0
-0.5	1.41	0
0	1	0.82
0.5	0.71	23.85
1	0.5	53.46
1.5	0.35	9.05
2	0.25	3.29
2.5	0.177	0
3	0.125	0.82
3.5	0.088	0.82
4	0.0625	4.93
8	0.0039	0.05
12	0.00024	1.82
Mean Phi	1.05	
Std. Dev.	1.6	
%Gravel	1.07	
%Sand	92.12	
%Mud	6.81	
%CaCO3	92.3	
%TOC	0.53	

Sample**M99**

Latitude 27 °18.358'
 Longitude 82 °39.370'
 Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.55
-1	2	0
-0.5	1.41	0.7
0	1	2.09
0.5	0.71	5.57
1	0.5	13.92
1.5	0.35	13.92
2	0.25	8.35
2.5	0.177	12.53
3	0.125	13.92
3.5	0.088	12.53
4	0.0625	2.78
8	0.0039	8.76
12	0.00024	4.39
Mean Phi	2.52	
Std. Dev.	2.27	
%Gravel	0.55	
%Sand	83.52	
%Mud	15.93	
%CaCO3	45.8	
%TOC	0.73	

Sample**M100**

Latitude 27 °15.910'
 Longitude 82 °37.269'
 Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	3.36
-1	2	0
-0.5	1.41	1.92
0	1	0
0.5	0.71	3.84
1	0.5	7.68
1.5	0.35	5.76
2	0.25	5.76
2.5	0.177	30.7
3	0.125	26.86
3.5	0.088	9.59
4	0.0625	0
8	0.0039	1.11
12	0.00024	3.43
Mean Phi	2.34	
Std. Dev.	1.99	
%Gravel	3.36	
%Sand	92.1	
%Mud	4.54	
%CaCO3	38.69	
%TOC	0.37	

Sample**M101**

Latitude 27 °15.084'
 Longitude 82 °36.565'
 Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	10.08
-1	2	0.77
-0.5	1.41	2.31
0	1	1.54
0.5	0.71	14.63
1	0.5	50.05
1.5	0.35	15.4
2	0.25	0
2.5	0.177	1.54
3	0.125	0
3.5	0.088	1.54
4	0.0625	0
8	0.0039	0.97
12	0.00024	1.16
Mean Phi	0.66	
Std. Dev.	1.52	
%Gravel	10.08	
%Sand	87.79	
%Mud	2.12	
%CaCO3	87.64	
%TOC	0.58	

Sample M102

Latitude 27 °20.584'

Longitude 82 °41.539'

Water Depth 10.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	23.4
-1	2	0
-0.5	1.41	3.4
0	1	0
0.5	0.71	19.06
1	0.5	34.03
1.5	0.35	12.25
2	0.25	2.72
2.5	0.177	0
3	0.125	1.36
3.5	0.088	0
4	0.0625	1.36
8	0.0039	0.85
12	0.00024	1.55

Mean Phi 0.37

Std. Dev. 1.86

%Gravel 23.4

%Sand 72.83

%Mud 3.77

%CaCO₃ 92.52

%TOC 0.31

Sample M104

Latitude 27 °17.398'

Longitude 82 °38.761'

Water Depth 9.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0.88
-0.5	1.41	0
0	1	0.88
0.5	0.71	6.17
1	0.5	36.16
1.5	0.35	34.39
2	0.25	16.76
2.5	0.177	1.76
3	0.125	0
3.5	0.088	1.76
4	0.0625	0
8	0.0039	0.32
12	0.00024	0.92

Mean Phi 1.21

Std. Dev. 1.13

%Gravel 0

%Sand 98.77

%Mud 1.23

%CaCO₃ 90.56

%TOC 0.62

Sample M103

Latitude 27 °19.460'

Longitude 82 °40.541'

Water Depth 10.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	33.9
-1	2	0.57
-0.5	1.41	0
0	1	0
0.5	0.71	6.86
1	0.5	17.15
1.5	0.35	11.43
2	0.25	8
2.5	0.177	11.43
3	0.125	0
3.5	0.088	2.29
4	0.0625	4.57
8	0.0039	1.51
12	0.00024	2.28

Mean Phi 0.66

Std. Dev. 2.4

%Gravel 33.9

%Sand 57.74

%Mud 8.36

%CaCO₃ 88.3

%TOC 0.39

Sample M105

Latitude 27 °16.208'

Longitude 82 °37.746'

Water Depth 9.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	13.54
-1	2	1.23
-0.5	1.41	0.61
0	1	1.23
0.5	0.71	0.61
1	0.5	2.46
1.5	0.35	7.37
2	0.25	9.82
2.5	0.177	27.01
3	0.125	24.55
3.5	0.088	7.37
4	0.0625	2.46
8	0.0039	1.61
12	0.00024	0.58

Mean Phi 1.76

Std. Dev. 1.76

%Gravel 13.54

%Sand 82.26

%Mud 4.2

%CaCO₃ 49.18

%TOC 0.83

Sample**M106**

Latitude 27 °20.067'

Longitude 82 °41.291'

Water Depth 10.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.08
-1	2	0.76
-0.5	1.41	1.52
0	1	3.8
0.5	0.71	34.95
1	0.5	37.99
1.5	0.35	12.16
2	0.25	0
2.5	0.177	0
3	0.125	0
3.5	0.088	1.52
4	0.0625	0.76
8	0.0039	0.02
12	0.00024	2.45

Mean Phi 0.77

Std. Dev. 1.79

%Gravel 4.08

%Sand 92.69

%Mud 3.23

%CaCO₃ 91.63

%TOC 0.35

Sample**M107**

Latitude 27 °18.515'

Longitude 82 °39.945'

Water Depth 9.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.37
-1	2	0.79
-0.5	1.41	0.79
0	1	0.79
0.5	0.71	1.58
1	0.5	0
1.5	0.35	1.58
2	0.25	3.15
2.5	0.177	29.97
3	0.125	41.01
3.5	0.088	12.62
4	0.0625	4.73
8	0.0039	0.67
12	0.00024	1.97

Mean Phi 2.69

Std. Dev. 1.43

%Gravel 0.37

%Sand 92.26

%Mud 7.37

%CaCO₃ 23.01

%TOC 0.17

Sample**M108**

Latitude 27 °17.519'

Longitude 82 °39.111'

Water Depth 9.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	6.92
-1	2	0
-0.5	1.41	0.75
0	1	4.53
0.5	0.71	10.57
1	0.5	45.28
1.5	0.35	23.4
2	0.25	3.77
2.5	0.177	1.51
3	0.125	1.51
3.5	0.088	0
4	0.0625	0.75
8	0.0039	0.51
12	0.00024	0.5

Mean Phi 0.77

Std. Dev. 1.18

%Gravel 6.92

%Sand 91.32

%Mud 1.76

%CaCO₃ 94.98

%TOC 0.6

Sample**M109**

Latitude 27 °15.180'

Longitude 82 °37.070'

Water Depth 10.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	59.16
-1	2	0.7
-0.5	1.41	1.74
0	1	7.68
0.5	0.71	10.47
1	0.5	13.61
1.5	0.35	2.44
2	0.25	1.4
2.5	0.177	0
3	0.125	0
3.5	0.088	0.7
4	0.0625	0
8	0.0039	1.04
12	0.00024	1.08

Mean Phi -0.7

Std. Dev. 1.77

%Gravel 59.16

%Sand 38.72

%Mud 2.11

%CaCO₃ 93.57

%TOC 0.38

Sample **M110**

Latitude 27 °17.822'

Longitude 82 °39.620'

Water Depth 10.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.95
-1	2	2.6
-0.5	1.41	0
0	1	0
0.5	0.71	5.21
1	0.5	27.78
1.5	0.35	36.45
2	0.25	21.7
2.5	0.177	2.6
3	0.125	0
3.5	0.088	1.74
4	0.0625	0
8	0.0039	0.64
12	0.00024	0.33

Mean Phi 1.19

Std. Dev. 0.96

%Gravel 0.95

%Sand 98.08

%Mud 0.97

%CaCO3 85.78

%TOC 0.82

Sample **M111**

Latitude 27 °16.285'

Longitude 82 °38.286'

Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	7.5
-1	2	0.59
-0.5	1.41	0
0	1	4.1
0.5	0.71	2.93
1	0.5	4.69
1.5	0.35	4.69
2	0.25	12.89
2.5	0.177	31.63
3	0.125	19.92
3.5	0.088	4.69
4	0.0625	3.51
8	0.0039	1.58
12	0.00024	1.3

Mean Phi 1.94

Std. Dev. 1.74

%Gravel 7.5

%Sand 86.11

%Mud 6.4

%CaCO3 55.42

%TOC 1.13

Sample **M112**

Latitude 27 °16.620'

Longitude 82 °38.694'

Water Depth 11.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	11.07
-1	2	0.79
-0.5	1.41	6.35
0	1	1.59
0.5	0.71	15.08
1	0.5	28.58
1.5	0.35	19.05
2	0.25	7.94
2.5	0.177	4.76
3	0.125	0
3.5	0.088	0
4	0.0625	3.18
8	0.0039	0.82
12	0.00024	0.78

Mean Phi 0.73

Std. Dev. 1.55

%Gravel 11.07

%Sand 84.16

%Mud 4.78

%CaCO3 88.37

%TOC 0.65

Sample **M113**

Latitude 27 °18.821'

Longitude 82 °40.587'

Water Depth 10.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	4.05
-1	2	0.9
-0.5	1.41	0.9
0	1	6.28
0.5	0.71	34.09
1	0.5	43.96
1.5	0.35	3.59
2	0.25	0
2.5	0.177	0.89
3	0.125	0.89
3.5	0.088	0
4	0.0625	1.79
8	0.0039	0.36
12	0.00024	2.29

Mean Phi 0.74

Std. Dev. 1.76

%Gravel 4.05

%Sand 91.51

%Mud 4.44

%CaCO3 93.73

%TOC 0.55

Sample**M114**

Latitude 27 °20.298'

Longitude 82 °41.945'

Water Depth 11.4m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	7
-1	2	0
-0.5	1.41	1.54
0	1	0.77
0.5	0.71	13.85
1	0.5	43.1
1.5	0.35	21.55
2	0.25	0
2.5	0.177	0
3	0.125	3.08
3.5	0.088	4.62
4	0.0625	1.54
8	0.0039	1.54
12	0.00024	1.42

Mean Phi 1.02

Std. Dev. 1.68

%Gravel 7

%Sand 88.5

%Mud 4.5

%CaCO₃ 89.07

%TOC 0.34

Sample**M116**

Latitude 27 °15.425'

Longitude 82 °37.760'

Water Depth 9.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.75
-1	2	0.81
-0.5	1.41	1.62
0	1	0.81
0.5	0.71	0.81
1	0.5	0.81
1.5	0.35	18.62
2	0.25	35.42
2.5	0.177	23.47
3	0.125	1.62
3.5	0.088	2.43
4	0.0625	7.28
8	0.0039	3.98
12	0.00024	0.58

Mean Phi 2.03

Std. Dev. 1.28

%Gravel 0.75

%Sand 87.41

%Mud 11.84

%CaCO₃ 69.97

%TOC 0.34

Sample**M115**

Latitude 27 °19.360'

Longitude 82 °41.152'

Water Depth 11.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.27
-1	2	0.97
-0.5	1.41	0
0	1	0.97
0.5	0.71	0.97
1	0.5	5.79
1.5	0.35	7.72
2	0.25	15.44
2.5	0.177	27.02
3	0.125	23.16
3.5	0.088	7.72
4	0.0625	0
8	0.0039	5.6
12	0.00024	3.37

Mean Phi 2.52

Std. Dev. 1.93

%Gravel 1.27

%Sand 89.76

%Mud 8.97

%CaCO₃ 46.74

%TOC 0.76

Sample**M117**

Latitude 27 °14.524'

Longitude 82 °36.969'

Water Depth 10.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	13.47
-1	2	1.2
-0.5	1.41	0.6
0	1	7.19
0.5	0.71	25.15
1	0.5	28.74
1.5	0.35	11.97
2	0.25	2.4
2.5	0.177	2.4
3	0.125	0
3.5	0.088	2.4
4	0.0625	0.6
8	0.0039	3
12	0.00024	0.92

Mean Phi 0.6

Std. Dev. 1.68

%Gravel 13.47

%Sand 82.03

%Mud 4.5

%CaCO₃ 86.96

%TOC 0.63

Sample M118

Latitude 27 °19.816'

Longitude 82 °41.781'

Water Depth 11.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.43
-1	2	3.6
-0.5	1.41	2.16
0	1	7.91
0.5	0.71	31.66
1	0.5	37.41
1.5	0.35	2.16
2	0.25	1.44
2.5	0.177	1.44
3	0.125	0.72
3.5	0.088	5.76
4	0.0625	1.44
8	0.0039	0.09
12	0.00024	1.8

Mean Phi 0.78

Std. Dev. 1.72

%Gravel 2.43

%Sand 94.25

%Mud 3.32

%CaCO₃ 93.65

%TOC 0.44

Sample M120

Latitude 27 °15.114'

Longitude 82 °37.834'

Water Depth 10.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	6.65
0	1	1.33
0.5	0.71	0
1	0.5	1.33
1.5	0.35	7.98
2	0.25	21.29
	0.177	47.9
3	0.125	7.98
3.5	0.088	2.66
4	0.0625	1.33
8	0.0039	0.36
12	0.00024	1.18

Mean Phi 2.01

Std. Dev. 1.34

%Gravel 0

%Sand 97.13

%Mud 2.87

%CaCO₃ 36.48

%TOC 0.47

Sample M119

Latitude 27 °16.970'

Longitude 82 °39.333'

Water Depth 11.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.8
-1	2	0
-0.5	1.41	0
0	1	4.79
0.5	0.71	12.76
1	0.5	36.69
1.5	0.35	25.52
2	0.25	0.8
2.5	0.177	2.39
3	0.125	7.98
3.5	0.088	0
4	0.0625	0
8	0.0039	0.53
12	0.00024	2.74

Mean Phi 1.13

Std. Dev. 1.93

%Gravel 5.81

%Sand 90.92

%Mud 3.27

%CaCO₃ 88.08

%TOC 0.35

Sample M121

Latitude 27 °19.422'

Longitude 82 °41.643'

Water Depth 11.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	1.63
-0.5	1.41	1.63
0	1	0.81
0.5	0.71	20.34
1	0.5	50.44
1.5	0.35	17.9
2	0.25	1.63
2.5	0.177	0
3	0.125	1.63
3.5	0.088	0
4	0.0625	0
8	0.0039	0.83
12	0.00024	3.18

Mean Phi 1.08

Std. Dev. 1.91

%Gravel 0

%Sand 95.99

%Mud 4.01

%CaCO₃ 89.84

%TOC 0.54

Sample**M122**

Latitude 27 °18.165'

Longitude 82 °40'.598

Water Depth 10.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.36
-1	2	4.42
-0.5	1.41	0.74
0	1	0.74
0.5	0.71	16.95
1	0.5	42
1.5	0.35	20.63
2	0.25	5.16
2.5	0.177	2.21
3	0.125	0
3.5	0.088	0
4	0.0625	1.47
8	0.0039	0.67
12	0.00024	2.65
Mean Phi	1.03	
Std. Dev.	1.87	
%Gravel	2.36	
%Sand	92.85	
%Mud	4.79	
%CaCO3	90.86	
%TOC	1.82	

Sample**M124**

Latitude 27 °20.130'

Longitude 82 °42.514'

Water Depth 11.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	38.78
-1	2	0.49
-0.5	1.41	0.49
0	1	1.95
0.5	0.71	4.88
1	0.5	15.6
1.5	0.35	18.53
2	0.25	7.8
2.5	0.177	4.88
3	0.125	0.98
3.5	0.088	0
4	0.0625	2.44
8	0.0039	1.31
12	0.00024	1.89
Mean Phi	0.31	
Std. Dev.	2.24	
%Gravel	38.78	
%Sand	55.58	
%Mud	5.64	
%CaCO3	74.97	
%TOC	0.35	

Sample**M123**

Latitude 27 °15.810'

Longitude 82 °38'.558

Water Depth 10.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	11.37
-1	2	4.24
-0.5	1.41	0.85
0	1	0.85
0.5	0.71	22.03
1	0.5	33.89
1.5	0.35	13.56
2	0.25	5.08
2.5	0.177	1.69
3	0.125	1.69
3.5	0.088	1.69
4	0.0625	1.69
8	0.0039	0.44
12	0.00024	0.92
Mean Phi	0.63	
Std. Dev.	1.56	
%Gravel	11.37	
%Sand	85.57	
%Mud	3.06	
%CaCO3	90.21	
%TOC	0.64	

Sample**M125**

Latitude 27 °18.531'

Longitude 82 °41.132'

Water Depth 10.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	---
-2	4	---
-1.5	2.83	---
-1	2	---
-0.5	1.41	---
0	1	---
0.5	0.71	---
1	0.5	---
1.5	0.35	---
2	0.25	---
2.5	0.177	---
3	0.125	---
3.5	0.088	---
4	0.0625	---
8	0.0039	---
12	0.00024	---
Mean Phi	---	
Std. Dev.	---	
%Gravel	---	
%Sand	---	
%Mud	---	
%CaCO3	---	
%TOC	---	

Sample**M126**

Latitude 27 °17.168'
 Longitude 82 °39.951'
 Water Depth 10.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	9.16
-1	2	2.41
-0.5	1.41	0.8
0	1	0
0.5	0.71	4.8
1	0.5	12.03
1.5	0.35	16.04
2	0.25	17.64
2.5	0.177	17.64
3	0.125	8.02
3.5	0.088	1.6
4	0.0625	0
8	0.0039	6.82
12	0.00024	3.03
Mean Phi	1.76	
Std. Dev.	2.26	
%Gravel	9.16	
%Sand	80.99	
%Mud	9.85	
%CaCO3	82.43	
%TOC	0.71	

Sample**M127**

Latitude 27 °14.707'
 Longitude 82 °37.857'
 Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.62
-1	2	0.84
-0.5	1.41	0
0	1	0.84
0.5	0.71	0.84
1	0.5	8.44
1.5	0.35	8.44
2	0.25	10.13
2.5	0.177	25.33
3	0.125	30.39
3.5	0.088	5.07
4	0.0625	1.69
8	0.0039	2.85
12	0.00024	4.52
Mean Phi	2.6	
Std. Dev.	2.08	
%Gravel	0.62	
%Sand	90.33	
%Mud	9.06	
%CaCO3	39.15	
%TOC	0.48	

Sample**M128**

Latitude 27 °19.381'
 Longitude 82 °42.101'
 Water Depth 10.8m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.43
-1	2	0
-0.5	1.41	0
0	1	0
0.5	0.71	11.92
1	0.5	39.06
1.5	0.35	29.8
2	0.25	1.32
2.5	0.177	1.32
3	0.125	0
3.5	0.088	0
4	0.0625	1.32
8	0.0039	10.35
12	0.00024	3.46
Mean Phi	1.67	
Std. Dev.	2.24	
%Gravel	1.43	
%Sand	83.43	
%Mud	15.14	
%CaCO3	91.81	
%TOC	0.5	

Sample**M129**

Latitude 27 °17.589'
 Longitude 82 °40.562'
 Water Depth 10.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.57
-1	2	2.35
-0.5	1.41	0.78
0	1	0
0.5	0.71	12.52
1	0.5	48.53
1.5	0.35	29.74
2	0.25	1.57
2.5	0.177	0
3	0.125	0
3.5	0.088	0
4	0.0625	1.57
8	0.0039	0.1
12	0.00024	2.28
Mean Phi	1.06	
Std. Dev.	1.65	
%Gravel	0.57	
%Sand	95.49	
%Mud	3.95	
%CaCO3	85.99	
%TOC	0.52	

Sample**M130**

Latitude 27 °16.367'
 Longitude 82 °39.461'
 Water Depth 10.0m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0.78
-0.5	1.41	0
0	1	0
0.5	0.71	11.74
1	0.5	39.14
1.5	0.35	39.14
2	0.25	6.26
2.5	0.177	1.56
3	0.125	0
3.5	0.088	0
4	0.0625	0
8	0.0039	0.35
12	0.00024	1.01
Mean Phi	1.08	
Std. Dev.	1.13	
%Gravel	0	
%Sand	98.64	
%Mud	1.36	
%CaCO3	88.78	
%TOC	0.5	

Sample**M131**

Latitude 27 °14.884'
 Longitude 82 °38.255'
 Water Depth 10.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	36.4
-1	2	0
-0.5	1.41	2.61
0	1	4.17
0.5	0.71	31.82
1	0.5	16.69
1.5	0.35	3.13
2	0.25	0.52
2.5	0.177	0
3	0.125	0
3.5	0.088	1.04
4	0.0625	0
8	0.0039	1.3
12	0.00024	2.36
Mean Phi	-0.058	
Std. Dev.	2.14	
%Gravel	36.4	
%Sand	59.99	
%Mud	3.62	
%CaCO3	92.86	
%TOC	0.77	

Sample**M132**

Latitude 27 °15.119'
 Longitude 82 °38.643'
 Water Depth 11.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	3.07
-1	2	1.71
-0.5	1.41	0.85
0	1	0.85
0.5	0.71	1.71
1	0.5	5.12
1.5	0.35	20.48
2	0.25	23.89
2.5	0.177	32.42
3	0.125	5.12
3.5	0.088	3.41
4	0.0625	0
8	0.0039	0.05
12	0.00024	1.32
Mean Phi	1.76	
Std. Dev.	1.45	
%Gravel	3.07	
%Sand	95.56	
%Mud	1.37	
%CaCO3	59.09	
%TOC	0.58	

Sample**M133**

Latitude 27 °13.982'
 Longitude 82 °37.665'
 Water Depth 11.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0
-0.5	1.41	2.28
0	1	0
0.5	0.71	0
1	0.5	2.28
1.5	0.35	0
2	0.25	1.14
2.5	0.177	5.7
3	0.125	54.76
3.5	0.088	22.81
4	0.0625	2.28
8	0.0039	4.39
12	0.00024	4.35
Mean Phi	3.18	
Std. Dev.	1.86	
%Gravel	0	
%Sand	88.98	
%Mud	11.02	
%CaCO3	28.41	
%TOC	0.3	

Sample M134

Latitude 27 °18.121'

Longitude 82 °41.465'

Water Depth 11.9m

Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	2.68
-0.5	1.41	0
0	1	1.78
0.5	0.71	1.78
1	0.5	0
1.5	0.35	4.46
2	0.25	9.81
2.5	0.177	39.24
3	0.125	21.41
3.5	0.088	7.14
4	0.0625	3.57
8	0.0039	5.17
12	0.00024	2.96
Mean Phi	2.62	
Std. Dev.	1.82	
%Gravel	0	
%Sand	88.3	
%Mud	11.7	
%CaCO3	41.54	
%TOC	0.61	

Sample M135

Latitude 27 °15.738'

Longitude 82 °39.418'

Water Depth 11.2m

Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	3.16
-1	2	0
-0.5	1.41	2
0	1	44.72
0.5	0.71	8.01
1	0.5	17.35
1.5	0.35	13.35
2	0.25	8.01
2.5	0.177	0.67
3	0.125	0.67
3.5	0.088	0
4	0.0625	0
8	0.0039	0.46
12	0.00024	1.6
Mean Phi	0.51	
Std. Dev.	1.6	
%Gravel	3.16	
%Sand	94.78	
%Mud	2.06	
%CaCO3	90.71	
%TOC	0.97	

Sample M136

Latitude 27 °15.052'

Longitude 82 °38.922'

Water Depth 11.2m

Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	17.63
-1	2	0.59
-0.5	1.41	0
0	1	2.94
0.5	0.71	4.71
1	0.5	15.3
1.5	0.35	21.19
2	0.25	16.48
2.5	0.177	10.59
3	0.125	4.71
3.5	0.088	2.35
4	0.0625	0
8	0.0039	1.89
12	0.00024	1.62
Mean Phi	1.07	
Std. Dev.	1.97	
%Gravel	17.63	
%Sand	78.86	
%Mud	3.51	
%CaCO3	74.85	
%TOC	0.88	

Sample M137

Latitude 27 °16.485'

Longitude 82 °40.154'

Water Depth 11.3m

Phi	Millimeters	Weight %
-4	16	0
-2	4	0
-1.5	2.83	9.28
-1	2	0
-0.5	1.41	1.57
0	1	3.14
0.5	0.71	13.36
1	0.5	21.22
1.5	0.35	18.86
2	0.25	17.29
2.5	0.177	6.29
3	0.125	1.57
3.5	0.088	0
4	0.0625	1.57
8	0.0039	2.54
12	0.00024	3.3
Mean Phi	1.28	
Std. Dev.	2.21	
%Gravel	9.28	
%Sand	83.31	
%Mud	7.41	
%CaCO3	87.23	
%TOC	0.45	

Sample**M138**

Latitude 27 °18.738'

Longitude 82 °42.100'

Water Depth 11.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.51
-1	2	0
-0.5	1.41	1.86
0	1	0
0.5	0.71	0
1	0.5	1.86
1.5	0.35	0
2	0.25	7.42
2.5	0.177	12.99
3	0.125	50.1
3.5	0.088	18.55
4	0.0625	1.86
8	0.0039	1.8
12	0.00024	3.06

Mean Phi 2.89
Std. Dev. 1.65
%Gravel 0.51
%Sand 92.77
%Mud 6.72
%CaCO3 19.92
%TOC 0.15

Sample**M140**

Latitude 27 °14.119'

Longitude 82 °38'.356

Water Depth 10.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	28.16
-1	2	0.55
-0.5	1.41	0.55
0	1	0
0.5	0.71	5.49
1	0.5	13.73
1.5	0.35	12.63
2	0.25	8.79
2.5	0.177	13.18
3	0.125	8.79
3.5	0.088	0
4	0.0625	4.39
8	0.0039	1.45
12	0.00024	2.3

Mean Phi 0.95
Std. Dev. 2.37
%Gravel 28.16
%Sand 63.7
%Mud 8.14
%CaCO3 68.31
%TOC 0.88

Sample**M139**

Latitude 27 °19.232'

Longitude 82 °42.560'

Water Depth 11.3m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.77
-1	2	0.66
-0.5	1.41	2.62
0	1	5.25
0.5	0.71	26.9
1	0.5	45.92
1.5	0.35	5.9
2	0.25	0
2.5	0.177	1.31
3	0.125	1.31
3.5	0.088	1.31
4	0.0625	0.66
8	0.0039	0.67
12	0.00024	1.71

Mean Phi 0.7
Std. Dev. 1.65
%Gravel 5.77
%Sand 91.19
%Mud 3.04
%CaCO3 93.16
%TOC 0.71

Sample**M141**

Latitude 27 °15.701'

Longitude 82 °39.718'

Water Depth 11.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	0.68
-0.5	1.41	1.36
0	1	0
0.5	0.71	0
1	0.5	4.07
1.5	0.35	4.07
2	0.25	21.7
2.5	0.177	54.24
3	0.125	10.85
3.5	0.088	0
4	0.0625	1.36
8	0.0039	0.57
12	0.00024	1.12

Mean Phi 2.16
Std. Dev. 1.16
%Gravel 0
%Sand 96.96
%Mud 3.04
%CaCO3 60.94
%TOC 0.94

Sample M142

Latitude 27° 16.970'

Longitude 82° 40.813'

Water Depth 11.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.06
-1	2	1.45
-0.5	1.41	0
0	1	0.73
0.5	0.71	0.73
1	0.5	5.81
1.5	0.35	13.06
2	0.25	27.58
2.5	0.177	37.73
3	0.125	4.35
3.5	0.088	5.81
4	0.0625	0
8	0.0039	1.06
12	0.00024	1.64
Mean Phi	2.06	
Std. Dev.	1.4	
%Gravel	0.06	
%Sand	97.24	
%Mud	2.71	
%CaCO ₃	43.86	
%TOC	0.56	

Sample M143

Latitude 27° 18.673'

Longitude 82° 42.268'

Water Depth 10.7m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.79
-1	2	0
-0.5	1.41	0
0	1	3.22
0.5	0.71	0
1	0.5	20.11
1.5	0.35	28.15
2	0.25	17.69
2.5	0.177	17.69
3	0.125	4.83
3.5	0.088	1.61
4	0.0625	0
8	0.0039	3.34
12	0.00024	2.57
Mean Phi	1.82	
Std. Dev.	1.78	
%Gravel	0.79	
%Sand	93.3	
%Mud	5.91	
%CaCO ₃	59.47	
%TOC	0.26	

Sample M144

Latitude 27° 19.482'

Longitude 82° 42.962'

Water Depth 12.2m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	8.87
-1	2	0.71
-0.5	1.41	0
0	1	6.4
0.5	0.71	46.19
1	0.5	27.72
1.5	0.35	2.84
2	0.25	1.42
2.5	0.177	1.42
3	0.125	0
3.5	0.088	0
4	0.0625	0
8	0.0039	1.08
12	0.00024	3.35
Mean Phi	0.66	
Std. Dev.	2.13	
%Gravel	8.87	
%Sand	86.7	
%Mud	4.43	
%CaCO ₃	92.58	
%TOC	0.58	

Sample M145

Latitude 27° 15.196'

Longitude 82° 39.527'

Water Depth 11.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	2.03
-1	2	0.74
-0.5	1.41	0.74
0	1	1.48
0.5	0.71	0
1	0.5	5.9
1.5	0.35	20.66
2	0.25	36.89
2.5	0.177	19.18
3	0.125	5.9
3.5	0.088	1.48
4	0.0625	2.95
8	0.0039	0.62
12	0.00024	1.45
Mean Phi	1.84	
Std. Dev.	1.44	
%Gravel	2.03	
%Sand	92.95	
%Mud	5.02	
%CaCO ₃	58.19	
%TOC	0.93	

Sample**M146**

Latitude 27 °17.616'

Longitude 82 °41.596'

Water Depth 10.9m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0
-1	2	2.66
-0.5	1.41	0
0	1	0
0.5	0.71	1.78
1	0.5	1.78
1.5	0.35	5.33
2	0.25	10.66
2.5	0.177	40.86
3	0.125	28.42
3.5	0.088	1.78
4	0.0625	3.55
8	0.0039	0.69
12	0.00024	2.5

Mean Phi 2.44

Std. Dev. 1.62

%Gravel 0

%Sand 93.26

%Mud 6.74

%CaCO₃ 23.51

%TOC 0.25

Sample**M148**

Latitude 27 °16.228'

Longitude 82 °40.632'

Water Depth 11.5m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.56
-1	2	0
-0.5	1.41	0.81
0	1	1.61
0.5	0.71	6.45
1	0.5	20.97
1.5	0.35	19.35
2	0.25	25.81
2.5	0.177	1.61
3	0.125	4.84
3.5	0.088	3.23
4	0.0625	4.84
8	0.0039	0.05
12	0.00024	4.88

Mean Phi 1.75

Std. Dev. 2.39

%Gravel 5.56

%Sand 84.68

%Mud 9.77

%CaCO₃ 64.21

%TOC 0.8

Sample**M147**

Latitude 27 °14.587'

Longitude 82 °39.246'

Water Depth 11.1m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	1.39
-1	2	0.92
-0.5	1.41	0.92
0	1	0.92
0.5	0.71	15.56
1	0.5	40.27
1.5	0.35	31.11
2	0.25	1.83
2.5	0.177	3.66
3	0.125	0
3.5	0.088	0
4	0.0625	1.83
8	0.0039	0.13
12	0.00024	1.48

Mean Phi 1.04

Std. Dev. 1.42

%Gravel 1.39

%Sand 95.17

%Mud 3.44

%CaCO₃ 80.88

%TOC 0.77

Sample**M149**

Latitude 27 °18.821'

Longitude 82 °42.861'

Water Depth 11.6m

<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	6.84
-1	2	0.7
-0.5	1.41	2.81
0	1	3.52
0.5	0.71	17.58
1	0.5	47.1
1.5	0.35	4.92
2	0.25	4.22
2.5	0.177	0
3	0.125	1.41
3.5	0.088	5.62
4	0.0625	1.41
8	0.0039	1
12	0.00024	2.88

Mean Phi 1.02

Std. Dev. 2.08

%Gravel 6.84

%Sand 87.88

%Mud 5.28

%CaCO₃ 92.15

%TOC 0.55

<u>Sample</u>	<u>M150</u>	
Latitude	27 °13.626'	
Longitude	82 °38.586'	
Water Depth	12m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	0.92
-1	2	0
-0.5	1.41	0.78
0	1	6.2
0.5	0.71	26.35
1	0.5	46.5
1.5	0.35	0.78
2	0.25	1.55
2.5	0.177	1.55
3	0.125	0
3.5	0.088	12.4
4	0.0625	0
8	0.0039	0.38
12	0.00024	2.59
Mean Phi	1.16	
Std. Dev.	1.91	
%Gravel	0.92	
%Sand	96.1	
%Mud	2.97	
%CaCO3	80.76	
%TOC	0.74	

<u>Sample</u>	<u>M151</u>	
Latitude	27 °17.156'	
Longitude	82 °41.659'	
Water Depth	12.5m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	14.32
-1	2	0.66
-0.5	1.41	2.64
0	1	20.43
0.5	0.71	42.83
1	0.5	11.2
1.5	0.35	1.32
2	0.25	0
2.5	0.177	0
3	0.125	1.32
3.5	0.088	1.32
4	0.0625	1.98
8	0.0039	0.07
12	0.00024	1.93
Mean Phi	0.25	
Std. Dev.	1.84	
%Gravel	14.32	
%Sand	81.7	
%Mud	3.98	
%CaCO3	90.53	
%TOC	0.49	

<u>Sample</u>	<u>M150B</u>	
Latitude	27 °15.696'	
Longitude	82 °40.429'	
Water Depth	11.6m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	--
-2	4	--
-1.5	2.83	--
-1	2	--
-0.5	1.41	--
0	1	--
0.5	0.71	--
1	0.5	--
1.5	0.35	--
2	0.25	--
2.5	0.177	--
3	0.125	--
3.5	0.088	--
4	0.0625	--
8	0.0039	--
12	0.00024	--
Mean Phi	No Sample	
Std. Dev.	--	
%Gravel	--	
%Sand	--	
%Mud	--	
%CaCO3	--	
%TOC	--	

<u>Sample</u>	<u>M152</u>	
Latitude	27 °18.456'	
Longitude	82 °42.779'	
Water Depth	12.0m	
<u>Phi</u>	<u>Millimeters</u>	<u>Weight %</u>
-4	16	0
-2	4	0
-1.5	2.83	5.95
-1	2	1.87
-0.5	1.41	0
0	1	4.37
0.5	0.71	19.99
1	0.5	31.87
1.5	0.35	18.12
2	0.25	6.25
2.5	0.177	1.25
3	0.125	1.25
3.5	0.088	1.25
4	0.0625	3.75
8	0.0039	0.8
12	0.00024	3.28
Mean Phi	1.13	
Std. Dev.	2.14	
%Gravel	5.95	
%Sand	86.23	
%Mud	7.82	
%CaCO3	89.1	
%TOC	0.38	